CMS COLLEGE (AUTONOMOUS) KOTTAYAM

DEPARTMENT SELF – ASSESSMENT REPORT (DSAR) MANUAL

VOLUME 2

October 2021

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CMS COLLEGE (AUTONOMOUS) KOTTAYAM

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DEPARTMENT OF ZOOLOGY

October 2021

DEPARTMENT SELF – ASSESSMENTREPORT (DSAR) MANUAL

The Department Self Assessment Report (DSAR) is intended to shed light into the current status of the department in terms of its Strength, Weakness, Opportunities and Threats. As such, the department is expected to provide accurate data and observations that reflect the true and real status of the department. The data that will be collected from the department would fall into three parts.

- **Part A** : Basic data of the department (will not be used for assessment)
- **Part B** : Data about infrastructure, governance, financial status (will not be used for assessment)
- **Part C** :Data collected in this part will be used for assessment and accreditation.

The department should provide data for the academic years 2018-19, 19-20, 2020-21, (past 3 years) separately under each relevant question and for each UG and PG programmes offered.

The department need not supply the supporting documents while submitting the DSAR, but should keep them in original for peer team assessment. After the assessment, softcopies/scanned copies of supporting documentsmust be sent to dsar@cmscollege.ac.in within a week of assessment.

For queries, please e-mail to dsar@cmscollege.ac.in.

PART A

1. Departmental Information

1.1. Name and address of the department: Department of Zoology, CMS College, Kottayam, Kerala

1.2. Name, designation, telephone number, and e-mail address of the head/contact person. Dr. Jobin Mathew, HOD, Department of Zoology, CMS College, Kottayam. Mob: 9946900983, E mail: hodzoology@cmscollege.ac.in

1.3. History of the department including dates of introduction and number of seats of various programmes of study.

The Department of Zoology had its inception in 1955 with the commencement of the B.Sc. Degree Programme. Till then, it was part of what was then called Natural Science. It was in 1982 that the M.Sc. Degree Programme started. Number of seats for B.Sc.

Zoology programme is 45 and10 for M.Sc. Zoology. The Department became a Research Centre of the M.G. University in 1985 vide order no. Ac.AII/1/85.

(Instruction: History of the institution and its chronological development along with the records of past accreditation need to be listed here.)

1.4. Mission and Vision of the department:

(Instruction: The department is required to specify its Mission and Vision).

Vision

The department envisions to foster critical thinking and learning process that cut across various disciplines of biological sciences nurturing love for nature and its inherent values towards sustainable future.

Our Mission

1. To instill scientific temper and research aptitude in the study of biological sciences in general and animal science in particular at micro and macro levels

2. To design appropriate curricula with innovative activities to make learning a challenging and pleasant experience

3. To inspire the learners in acquiring knowledge, skills, values and confidence to actualize their potential and contribute meaningfully to others

4. To provide sufficient knowledge and expertise for an appropriate vocation in life

5. To contribute and involve in outreach activities for the social and environmental well being

1.5. List of the programmes/ departments which share human resources and/or the facilities of this department/ programme (in %).

1. Open Course for all departments (4hrs/week, Vth Sem)
2. Complimentary courses for Botany, Home Science and Biotechnology (9hrs/week, I – IVthSem for each department)

(Instruction: Institutes needs to mention the different programs which share the human resources and facilities with the department/ programme being accredited.)

1.6. Total number of students: 156

1.7. Total number from other states and countries:**3**

1.8. Total number of differently abled students

1.9. Minimum and maximum number of staff on roll in college, during the current and three previous academic years in the department:

1.10.....

Year	Permanent	Guest faculty	Total
2018-2019	7	1	8
2019-2020	6	2	8
2020-2021	6	2	8

(A tabular format may be used)

1.11. Details of full time teachers against sanctioned posts: (8), 2018-2021 (6 permanent teachers)

(Position sanction letters verified by DCF of AISHE or the concerned authority, Soft copy of appointment letters of faculties during 3 years, Pan No. of faculties)

1.12. Full time teachers from other states against sanctioned posts: **nil**(Softcopy of supporting document)

1.13. Faculty experience

Name of the Full-time teacher	**PAN**	**Designation**	**Year of appointment**	**Total years of Experience as on 31/05/2021**	**Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution**

Dr. Sosamma Oommen	APHPG 2518K	Assistant Professor	1993	10	31/05/2021
Dr. Jobin Mathew	BIGPM0930G	Assistant Professor	2010	11	
Dr. Nisha P Aravind	AHJPA2362D	Assistant Professor	2010	11	
Mr. Vijo Thomas Kurien	CDPPK1682J	Assistant Professor	2013	8	
Dr. Pushpa Geetha S	DTQPS5268J	Assistant Professor	2015	6	
Dr. Baaby Job	BIFPJ5527D	Assistant Professor	2016	5	
Mr. Sony Joseph	ANJPJ4769K	Assistant Professor	2016	5	

1.14. Total number of differently abled teachers: **nil**

1.15. Percentage of full time teachers with Ph.D. : **5**

Formula: $\frac{\text{Number of full time teachers in the department with Ph.D.}}{\text{Total number of full time teachers}} \times 100$

Percentage **= 66.6%**

Name of full time teacher with PhD	**Number of full time teachers with PhD**	**Total number of full time teachers**
Dr. Sosamma Oommen	5	7
Dr. Jobin Mathew		
Dr. Nisha P Aravind		
Dr. Pushpa Geetha S		

Dr. Baaby Job		

1.16. Is the department an approved research centre by University / National / International bodies?
(Yes/No; provide order number with year and name of affiliating University)
Yes. M.G. University 1985, Order No.Ac. AII/1/85.

1.17. Summary of budget for the Previous Financial Year (PFY) and the actual expenditure incurred in the PFY.

Source of income	**Income**	**Expenditure**	**Balance**
Alumni	20,000	20,000	0
Organic manure	1250	1250	0
Mushroom	7204	6501	703
Star College Consumables and other expenses	185000	185000	0
Specimen for practical	6843	6843	0
Paid Consultancy	3500	3000	500
Aid to poor students for studies from teaching faculty (Surabhi)	5000/-	5000/-	0
Ornamental fish	3500	4500	-1000
Total	2,32,297	2,32,094	203

1.18. Summary of budget for the Current Financial Year (CFY).

Source of income	Income	Expenditure	Balance
Alumni	20,000	20,000	0
Organic manure	1250	1250	0
Mushroom	7204	6501	703
Star College Consumables and other expenses	185000	185000	0
Specimen for practical	6843	6843	0
Paid Consultancy	3500	3000	500
Aid to poor students for studies from teaching faculty (Surabhi)	5000/-	5000/-	0
Ornamental fish	3500	4500	-1000
Total	2,32,297	2,32,094	203

PART B

2. Facilities and Technical Support

2.1. Class rooms in the Department

2.1.1. Adequate number of rooms for lectures (core/electives), seminars, tutorials, etc.for the program

(Provide a description with the number of existing rooms and lack of them, if any)

Purpose of the class rooms	No. of existing classrooms	No. of class rooms required
lectures	4	1
Seminars	1	1

Tutorials	0	1
Total number of classrooms required		**3**

2.1.2. Teaching aids – multimedia projectors, etc.

(Provide a description with the number of existing classrooms with such facilities and lack of thereof, if any)

Type of facility	**No. of existing classrooms with the facility**	**No. of class rooms with the facility required**
Multimedia projector (3 No.s but not fixed in classrooms)	0	5
Screen	3	2
Smart boards	1	4
Wireless microphone	0	1
Speaker	1	1
Computer	nil	5
UPS	1	4
Server		
Document camera	1	1
Educational softwares	0	1
WIFI/LAN facilities	common	
Total number of classrooms with teaching aids required		**5**

2.1.3. Acoustics, class room size, conditions of chairs/benches, air circulation, lighting, exits, ambiance, and such other amenities/facilities

(Provide a description of the facilities and amenities classroom wise)

Class	Acoustics	class room size	conditions of chairs/benches	air circulation, lighting	exits	Ambiance, otheramenities/ facilities
I DC Zoology	Nil	8.2mX6mX4.1m	Satisfactory & adequate	Satisfactory & adequate	1	Inadequate & minimum
II DC Zoology	Nil	10.6mX9.2mX4.1m	Satisfactory & adequate	Satisfactory & adequate	2	Satisfactory & adequate
III DC Zoology	Nil	9.4mX6mX4.1m	Satisfactory & adequate	Satisfactory & adequate	1	Satisfactory & adequate
I MSc. Zoology	Nil	7.5m x 3.6m x 2.7m (lxbxh)	Satisfactory & adequate	Satisfactory & adequate	1	Inadequate & minimum
II MSc. Zoology	Nil	9.5mX9.5mX4.1m	Satisfactory & adequate	Satisfactory & adequate	1	Satisfactory & adequate

2.1.4. Seminar halls with ICT facilities

Type of facility	**No. of existing seminar halls with the facility**	**No. of seminar halls with the facility**

		required
Multimedia projector	1	1
Screen	1	
Smart boards	1	
Wireless microphone	0	1
Speaker	1	1
Computer	1	1
UPS	Connection available	1
Server	Connection available	
Document camera	1	1
Educational softwares	nil	1
WIFI/LAN facilities	college	
Total number of seminar halls with ICT facilities required		**1**

2.2. Faculty Rooms in the Department

2.2.1. Availability of individual faculty rooms: There is only one common staff room and 1 HOD room. There is no separate room or partition for faculty. Separate cupboards or shelves are not sufficient

(Provide a description)

2.2.2. Room equipped with white/black board, computer, Internet connectivity, adequate number of plug points, UPS connectivity and such other amenities/facilities

Staff Room is equipped with two desktop computer for 8 staff members and there is difficulty in entering data for documentation and preparation of study materials. It will be very helpful to faculty members if they will be occupied in tables with a

partition facility, shelves and computer which will enhance productivity, Internet connectivity is provided by college to the 2 desktop computers for faculty and for student computers in computer room.At present there are adequate number of plug points and UPS connectivity for the 2 faculty computers and seminar hall

(Provide a description with number of facilities and lack of thereof, if any)

2.2.3. Usage of room for discussion/counseling with students: nil. We use seminar hall and HOD room because of the lack of such facility in the department and we could manage so far.

2.3. Laboratories in the Department to meet the Curriculum Requirements and the PSOs : 2

2.3.1. Adequate, well-equipped laboratories to meet the curriculum requirements and the PSOs:

2 laboratories are functional. One UG and PG well equipped laboratory is a necessity.

(Provide a description with the number of laboratories and lack of thereof, if any)

2.3.2. Adequate, well-equipped laboratories to conduct research projects:

We don't have a separate room for research scholars but our instrumentation lab is now used to carry out research work. But faculty members and PG students also have to work in the same small room for doing project and research.

(Provide a description with the number of laboratories and lack of thereof, if any)

2.3.3. Equipments to run experiments and their maintenance, Number of students per experimental set up, Size of the laboratories, overall ambience etc.

(Provide both quantitative and qualitative information)

Name of the equipment	**Number of students per equipment/experiment**	**Size of the laboratories**
Colorimeter	**10**	**PG Class room 9.5m X 9.5m & lab- 2m X 4m**
pH meter	**10**	**PG Class room 9.5m X 9.5m & lab- 2m X 4m**
Electrical conductivity	**10**	**PG Class room 9.5m X**

meter		**9.5m & lab- 2m X 4m**
Laminar flow	**10**	**Research room-** **6.6m x 3.77m x 3.7m (l x b x h)**
Incubators	**10**	**PG Class room & lab-** **Research room-** **6.6m x 3.77m x 3.7m (l x b x h)**
Centrifuges	**10**	**Research room-** **6.6m x 3.77m x 3.7m (l x b x h)**
Spectrophotometer	**10**	**1 PG lab** **Research room-** **6.6m x 3.77m x 3.7m (l x b x h)**
Flame photometer	**10**	**Research room-** **6.6m x 3.77m x 3.7m (l x b x h)**
Autoclave	**10**	**Technician's room (4.5m X 3m)**
Microbiology incubator	**10**	**Research room-** **6.6m x 3.77m x 3.7m (l x b x h)**
Eutech Mutiparameter	**5**	**Research room-** **6.6m x 3.77m x 3.7m (l x b x h)**

UV/VIS spectrophotometer	**5**	**Research room- 6.6m x 3.77m x 3.7m (l x b x h)**
Stereozoom microscopes	**5**	**Research room- 6.6m x 3.77m x 3.7m (l x b x h)**
Shaker incubator	**5**	**Research room- 6.6m x 3.77m x 3.7m (l x b x h)**
Hot Air oven	**8**	**Research room- 6.6m x 3.77m x 3.7m (l x b x h)**
Refrigerators	**15**	**Research room- 6.6m x 3.77m x 3.7m (l x b x h)Technician room**
Electronic balances	**15**	**Research room- 6.6m x 3.77m x 3.7m (l x b x h)**

2.3.4. Availability of computing facilities in the department

Number of computer labs	**Number of computers**	**Number of UPS**	**Number of servers**	**Internet connectivity (yes/no) Speed (mb/ps)**	**Access to e-resources (yes/no)**	**Student : Computer ratio**
1	5	1	1	Yes	Yes	5/135

(Provide a description with the number of computers and related facilities, adequate space for laboratory etc. and lack of thereof, if any)

2.3.5. Availability of laboratories with technical support within and beyond working hours:

(Provide a description of the type and extent of technical support lent to the laboratories, number of such laboratories, number of technicians assigned to each laboratory and lack of thereof, if any)

1 permanent technicians are working in the department. Department need 2 permanent technicians for the smooth conduct of PG, UG core and complimentary practical

Technical support beyond working hours is minimal.

Extension and other such activities were carried out with the help of temporary assistants

2.4. Technical Manpower Support in the Department: 2

2.4.1. Availability of adequate and qualified technical supporting staff for program specific laboratories and lack of thereof, if any.

Not qualified but college gave training to do the work with the help of the previous experienced technician

2.4.2. Incentives, skill-up gradation and professional advancement:

Nil

3. Infrastructure, Governance, Institutional Support and Financial Resources

3.1. Campus infrastructure and facility

3.1.1. Maintenance of academic infrastructure and facilities:

Our department functions in Zoology Department Building and PG 1st year classroom is in our nearby research facility building

(Provide a description of the current situation and a history over the last 3 years)

3.1.2. Hostel (boys and girls), transportation facility, and canteen:

(Provide a description of the current situation with the number of students obtained hostel, transportation and canteen facilities and a history over the last 3 years)

For girls, hostel facility is available for UG and PG

Lea hostel for undergraduate girl students-5

Ella hostel for postgraduate girl students- 5

Askwith hostel for PG Boys and sports students- 3

Students rely on private/ transport buses but very rarely on trains

Some of them uses canteen facility for lunch and some of them use the snack facility recently available near our department at times.

3.1.3. Electricity, power back up, telecom facility, drinking water, and security

New electrical connection and circuit breaker was fixed last year.

We have no emergency line but we have a small back up facility for using our computer for 2 hours.

One drinking water purification facility is available in staff room.

Telephone facility and security for department not available

(Provide a description of the current situation and a history over the last 3 years)

3.2. Organization, Governance and Transparency

3.2.1. Governing body, administrative setup, and functions of various bodies and cells

Board of Studies, Staff secretary for department meetings, Department Secretary for documentation and publicity, Anti-ragging cell, Department activities & programme secretary, IQAC coordinator, Internal exam coordinator,

Governing Bodies	**Staff in charge**
Board of Studies	HOD and all faculty members
Board of studies Staff secretary	Dr. Nisha P Aravind
Staff secretary to dept. meetings	Dr. Baaby Job
Internal Examination Coordinator	Mr. Vijo Thomas Kurien
Antiragging Cell	HOD & Wardens
Department Programmes secretary	Dr. Pushpa Geetha S
DIQAC Coordinator	Dr. Nisha P Aravind (2018-2021)
Valuadded Programmes coordinators	Dr. Baaby Job Dr. Pushpa Geetha S

	Dr. Jobin Mathew
Placement and summer fellowship coordinator	Dr. Nisha P Aravind
NET/JRF coaching coordinator	Dr. Baaby Job
Alumni Coordinator	Mr. Vijo Thomas Kurien
Finance	Dr. Jobin Mathew Dr. Nisha P Aravind- Mushroom Dr. Baaby Job- Organic products Dr. Pushpa Geetha- Ornamental fish culture
Zoological Society Text books	Mr. Sony Joseph
Department documentation	Mr. Sony joseph and Sri Sajithmon V
Department Libray	Mr. Sony Joseph

(Provide information about the department level bodies and committees)

3.2.2. Defined rules, procedures, recruitment, and promotional policies, etc.

Classes should be taken for students without fail.

Portion should be finished on time or by taking extra hours.

If a teacher is absent he/she should inform in advance and arrange an alternative to take the classes.

Student should inform warden or HOD before taking leave.

Degree and PG students should come and sign the register kept near wardens before 10 am. Ph.D students also should sign in their register book

Students are not permitted to go outside without being informed by parents to warden

In Curriculum Revision Committee, Text book editing, department programs etc., all faculty members have to participate, coordinate and cooperate

Informations will pass on to faculty as group message/in person and disseminated to students through class wardens

All Information regarding students and teachers will be kept in the staffroom notice board.

Grievances should be addressed by concerned wardens and major issues will be addressed by department as a team

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

3.2.3. Decentralization in working, including delegation of financial power and grievance redressal system

Dr. Jobin Mathew – in charge of equipments

Dr. Nisha P Aravind- Microscopes,

Dr. Baaby Job- Add on course 1st year and NET coaching

Dr. Pushpa Geetha S- Museum, overall cleanliness, IInd year Add on course

Shri. Sony Joseph & Sajithmon V- Chemicals and Glassware in charge, Documentation of the department

1 DC warden- Nisha P Aravind

1I DC warden- Dr. Pushpa Geetha S

1II DC warden- Mr. Vijo Thomas Kurien

1 PG warden- Dr. Baaby Job

II PG warden- Mr. Sony Joseph

Class warden will take up the charge of each classes and address their problems. Other duties include A Form, B form preparation, uploading the marks, calling parents for assessment of marks etc.

Finance involved in the preparation and sale of organic manure will be kept by teacher in charge. Same is with mushroom culture. When there is an extra amount other than what is necessary for the next purchase the amount will be given to Department fund. (Minutes copy needed)

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

3.2.4. Transparency and availability of correct/unambiguous information disseminated among the department staff

We have a cordial environment in the department. All Information regarding HOD meeting and other matters is passed on through department meeting, department notice board, mobile messages and WhatsApp group

3.3. Budget Allocation, Utilization and public Accounting

3.3.1. Adequacy of budget allocation

We have PTA fund and specimen money reimbursed for meeting the running cost of the department.

Star college fund was available for conducting department programmes and outreach programs.

Some income will be generated by selling mushrooms and organic manures and ornamental fishes.

By conducting ecoshop and exhibition also we could generate a small amount

Lab fee amount collected from research scholars were utilized for giving them the facility to work on, for Instrument maintenance, accessories needed for the machine. Some amount was utilized for journal subscription.

(Provide description with numbers related to budget allocation)

3.3.2. Utilization of allocated funds

PTA fund will be fully utilized for the department needs, maintenance of equipments, lab etc.

Mostly all the amount allotted for star college fund has been utilized last year

(Provide description with numbers related to utilization)

3.4. Programme Specific Budget Allocation, Utilization

3.4.1. Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

At present we have only PTA fund

In addition to PTA fund if we can avail some funds in the beginning of the academic year to plan for conducting programmes in career guidance, Research motivation, communication skill, and to develop virtues in life our students will be empowered to become successful in life

3.4.2. Utilization of allocated funds

(Provide description with numbers related to utilization)

Source of income	**Income**	**Expenditure**	**Balance**
Alumni	20,000	20,000	0
Organic manure	1250	1250	0
Mushroom	7204	6501	703
Star College Consumables and other expenses	185000	185000	0
Specimen for practical	6843	6843	0
Paid Consultancy	3500	3000	500
Aid to poor students for studies from teaching faculty (Surabhi)	5000/-	5000/-	0
Ornamental fish	3500	4500	-1000
Total	2,32,297	2,32,094	203

3.5. Facilities: Animal House/Green House / Museum, Fabrication facility, Media laboratory/Business Lab/Studios, Research/Statistical Databases

Zoology Museum since the time of inception with rare collection of specimens, Mushroom culture room, Organic manure preparation room, Indigenous, Ornamenal fish breeding and rearing room and tanks(Year of establishment, Hyperlink of videos and pictures (geotagged) – verified from DCF of AISHE)

3.6. Library

3.6.1. Library space and ambience, timings and usage, availability of a qualified librarian and other staff, library automation, online access, networking,

specialized facilities (ILL, download, printing, facilities for differently abled students) etc.

Department Library is meant for borrowing books for zoology students because majority of the books are available in the college library (Provide description)

3.6.2. Titles and volumes per title of books, journals and periodicals.

(List the titles and volumes per title)

Around 300 text books are available. Journals-millennium Zoology and Baselius Researcher, Periodical- Biology today and Science Reporter

3.6.3. Scholarly journal subscription- Mostly in main library.

We have now millennium Zoology and Baselius Researcher in our department

(List the details of journals including publisher, ISBN number, broad range of study, specific field of study, how the subscription of a specific journal is beneficial for faculty and students)

3.6.4. Digital Library- Nil

3.6.5. Library expenditure on books, magazines/journals, and miscellaneous contents: Millenium Zoology-Rs. 60/year, Baselius Researcher- Rs.

Biology Today- Rs.

Science Reporter- Rs.

(Provide description with numbers related to expenditure)

3.6.6. Number of withdrawal of books by students in the previous year*****

Formula:

$$\frac{\text{Number of withdrawal of books from department library in previous year}}{\text{Total number of students}} \times 100$$

$$\frac{\text{Number of withdrawal of books from College library in previous year}}{\text{Total number of students}} \times 100$$

*Source: Issue register

Department Library- 80/379 x100 = 21.1%

3.7. Internet

Internet facility with moderate speed is available in the department

(Indicate the internet usage policy, whether satisfactory internet speed is available all the time etc.)

3.8. Safety norms

3.8.1. Checks for wiring and electrical installations for leakage and earthing.

Had problems in wiring and earthing which was renewed last year

(Provide description)

3.8.2. Fire-fighting measurements: Effective safety arrangements with emergency / multiple exits and ventilation / exhausts in auditoriums and large classrooms / laboratories, fire-fighting equipment and training, availability of water, and other such facilities.

Fire fighting cylinder is available. Doors and ventillations are enough for safe evacuation. Exit and passages in staircase are wide enough for evacuation.

(Provide description with the number of equipments available and lack of thereof, if any)

3.8.3. Safety of civil structure:

Building is strong and safe

(Provide description)

3.8.4. Handling of hazardous chemicals and such other activities:

Fume cupboard in laboratory will be used to handle acids and solvents. The instrument will prevent the fumes being inhaled, protective measures like mask and gloves is used to prevent the entry of toxic chemical and solvents. To prevent the absorption of chemical through the skin (carcinogenic) gloves will be used

Formalin used in the museum will be reused for the preservation of prawns bought for dissection so that it will become more dilute due to the uptake of body fluid from prawn

(Provide description and issues, if any)

3.9. Counseling and Emergency Medical Care and First-Aid:

3.9.1. Availability of counseling facility:

We can take an appointment with the counsellor in the college as per the need to have counselling.

From this academic year a counselor is coming to take class once in a week

(Provide description and issues, if any)

3.9.2. Arrangement of emergency medical care:

Emergency medical care is possible because the college is in the heart of the city. If an ambulance needed we can call from nearby hospital and Medical College, General hospital and other hospitals are within the limit of 5 Km

Faculty members voluntarily assist in using their vehicle to transport the sick students to hospital in emergency

(Provide description and issues, if any)

3.9.3. Availability of First Aid Unit:

We have basic first aid facility in our department for students and teachers

(Provide description and issues, if any)

PART C

4. Programme Specific information

4.1. Name of the Programme:

B.Sc. Zoology (Bachelor of Science in Zoology)

MSc Zoology (Master of Science in Zoology)

Ph.D in Zoology

(List name of the programme, as it appears on graduate's certificates and transcript, and abbreviation used for the programme)

4.2. Title of the Degree:

B.Sc. Zoology (Bachelor of Science in Zoology)

MSc Zoology (Master of Science in Zoology)

Ph.D in Zoology (Doctor of Philosophy in Zoology)

(List name of the degree, as it appears on graduate's certificates and transcript, and abbreviation used for the degree).

4.3. History of the programme

The Department of Zoology had its inception in 1955 with the commencement of the B.Sc. Degree Programme. Till then, it was part of what was then called Natural Science. It was in 1982 that the M.Sc. Degree Programme started. The Department became a Research Centre of the M.G. University in 1985 vide order no. Ac.AII/1/85.

(Provide description)

4.4. Deficiencies, weaknesses/concerns and challenges from previous accreditations of NAAC

They have mentioned some positive comments about the department which is mentioned below

a) Faculty of Zoology department has contributed in restructuring the syllabus of zoology both at UG and PG levels
b) Networking with NGO's Development agencies (eg. Training of farmersin mushroom cultivation organized by Zoology department
c) Fairly a good and sustained research record as evident from some quality publications by faculty members in some departments including Zoology
d) Our department is the headquarters of Zoological Society of Kerala

They haven't commended any weakness or challenges about the department.

(Provide description)

4.5. Total number of students in the programme:

(Instruction: Total number of students, both boys and girls, has to be listed here. The data may be categorized in tabular form under graduate, post graduate, Doctoral Degree, or other program, if applicable.)

Year	Total number of students in UG programme	Total number of students in PG programme	Total number of students in Ph.D. programme	Total number of students in diploma/ certificate/ other

							programmes	
	Male	**Female**	**Male**	**Female**	**Male**	**Female**	**Male**	**Female**
2018-19	**29**	**87**	**3**	**7**		**5**		
2019 - 20	**33**	**82**	**1**	**10**		**6**		
2020 - 21	**37**	**79**	**1**	**6**		**6**		

5. Vision, Mission and Programme Outcomes

5.1. Vision and Mission

5.1.1. State the Mission and Vision of the College and department in relation to programme outcomes

(List and articulate the mission and vision statement of the College and department)

The vision and mission of the department were designed in accordance with the overall vision, mission and program outcomes of the college.

College Vision	**Department Vision**
The CMS College shall be a centre of excellence for imparting value-based liberal education aimed at promoting inclusive and holistic growth of the learner with thrust on real-time needs. Inculcate values of integrity, justice and compassion in the young minds to keep alive the missionary zeal of the founders.	The department envisions to foster critical thinking and learning process that cut across various disciplines of biological sciences nurturing love for nature and its inherent values towards sustainable future.
College Mission	**Department Mission**
• Create awareness on human rights, cultural and spiritual heritage, scientific temper and ecology.	• To instill scientific temper and research aptitude in the study of biological sciences in general and

• Achieve excellence by imparting quality education through teaching, learning, research and extension activities.	animal science in particular at micro and macro levels • To design appropriate curricula with innovative activities to make learning a challenging and pleasant experience
• Ensure optimum utilization of resources for the benefit of the society.	• To inspire the learners in acquiring knowledge, skills, values and confidence to actualize their potential and contribute meaningfully to others
• Execute academic and administrative policies in a flexible environment • Empower students as the agents of transformation and equip them to face local and global challenges.	• To provide sufficient knowledge and expertise for an appropriate vocation in life • To contribute and involve in outreach activities for the social and environmental well being

5.1.2. Indicate how and where the Vision and Mission are published and disseminated (Describe in which media (e.g. websites, curricula books) the vision and mission are published and how these are disseminated to stakeholders)

Official website of the college

Department of Zoology

Curricula books

5.1.3. Mention the process for defining Vision and Mission of the department

(Articulate the process involved in defining the vision and mission of the department from the vision and mission of the College)

The vision and mission of the college mainly focuses on the value based learning. Likewise the zoology program is also intended to cater the students with the skills and knowledge in the field of life science and associated research to fulfill the needs of the society.

5.2. Program Outcomes

5.2.1. Describe the Programme Outcomes (POs)

(List and articulate the program outcomes of the program under accreditation)

Graduate Programme Outcomes BSc Course
Critical Thinking: Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them
Effective Communication: Demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts
Social Interaction: Foster social skills and peer interaction enabling them to make all people feel valued and respect their differences by being responsible citizens for creating a socially inclusive society
Ethical Standards: Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions
Environmental Consciousness: Discern the issues of environmental contexts and engages in promoting values and attitudes that claim coexistence and sustainable living with reduced, minimal, or no harm upon ecosystems
Lifelong Learning: Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment

GPO No.	**Graduate Programme Outcomes MSc. Course**	**PSO No.**
GPO.1	**Critical Thinking**: Ability to engage in independent and reflective thinking in order to understand logic connections between ideas.	**1,3,5**
GPO.2	**Effective Communication:** Development of communication skills for effectively transmitting and receiving information that focuses on acquiring knowledge, problem solving, improving on arguments and theories thereby	**4,6**

	paving the way for better employability and entrepreneurship	
GPO.3	**Social Consciousness:** Acquire awareness towards gender, environment, sustainability human values and professional ethics and understand the difference between acting, responding and reacting to various social issues.	**2,4,6**
GPO.4	**Multidisciplinary Approach:** Combining various academic disciplines and professional specializations to cross borders and redefine problems in order to explore solutions based on the new understanding of complex situations.	**3,4,5**
GPO.5	**Subject Knowledge:** Acquiring knowledge at a higher level that would help develop the necessary skills, fuel the desire to learn and contribute to the field of expertise thereby providing valuable insights into learning and professional networking with the aim of catering to the local, national and global developmental needs.	**1,2,3,4,5,6,7**
GPO.6	**Lifelong Learning**: Understanding the necessity of being a lifelong learner for personal enrichment, professional advancement and effective participation in social and political life in a rapidly changing world.	**6,7,8**

5.2.2. State how and where the POs are published and disseminated

Official website of the college

Curricula books

(Describe in which media (e.g. websites, curricula books) the POs are published and how these are disseminated to stakeholders)

5.2.3. List Stakeholders of the Program

Stakeholder	Relevance
Teaching faculty	Provide guidance and opinions regarding the design and course content of the curriculum
Head of the institution/ Management representative	Advisory agent for policy issues and proper implementation of the curriculum and evaluation of curriculum
Members of professional bodies	Work closely with the curriculum team

	by giving advice during academic performance and evaluation of the curriculum
Parents	Support and influence the implementation of the curriculum through financial resources (fee). Give their views regarding the curriculum development
Community members,	Local concerns to take immediate attention by the curriculum development team

(List stakeholders of the program under consideration for accreditation and articulate their relevance)

5.2.4. State the process for establishing POs

Feedback from students and parents

Assessment by 1. Result Evaluation 2. Continuous Evaluation 3. Student progression

Followed by discussion with professional bodies

(Describe the process that periodically documents and demonstrates that the POs are based on the needs of the program's various stakeholders.)

5.2.5. Establish consistency of POs with Mission

Every key component of the PO was designed to justify the department mission. The department mission has got several features that will go hand in hand with the PO's

Department Mission	**PO**
• To instill scientific temper and research aptitude in the study of biological sciences in general and animal science in particular at micro	**Critical Thinking**: Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by

and macro levels	logical reasoning that one have judged to be appropriate and understanding different approaches and using them
• To inspire the learners in acquiring knowledge, skills, values and confidence to actualize their potential and contribute meaningfully to others	**Effective Communication:** Demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts
• To design appropriate curricula with innovative activities to make learning a challenging and pleasant experience	**Social Interaction:** Foster social skills and peer interaction enabling them to make all people feel valued and respect their differences by being responsible citizens for creating a socially inclusive society
• To contribute and involve in outreach activities for the social and environmental well being	**Ethical Standards:** Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions
• To contribute and involve in outreach activities for the social and environmental well being	**Environmental Consciousness:** Discern the issues of environmental contexts and engages in promoting values and attitudes that claim coexistence and sustainable living with reduced, minimal, or no harm upon ecosystems
• To provide sufficient knowledge and expertise for an appropriate vocation in life	**Life long Learning:** Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment

(Describe how the PO's are consistent with the Mission of the department.)

5.3. Attainment of Program Outcomeswith global relevance for developmental needs

5.3.1. Justify the contributions of the Programme Curriculum towards attainment of POs

Effective Communication
Critical Thinking
Social Interaction
Ethical Standards
Environmental Consciousness
Lifelong Learning

(Describe the broad curricular components that contribute towards the attainment of the POs.)

5.3.2. Explain how administrative system helps in ensuring the attainment of POs

(Describe the committees and their functions, working process and related regulations.)

- Periodical staff meetings
- IQAC Department committee
- Association activity committee
- Internal examination committee
- Peer teaching committee
- Outreach and extension program Committee
- Quiz club
- Research committee
- Summer fellowship and student project committee

5.3.3. Indicate the additional co-curricular activities undertaken towards the attainment of the POs

Association activities

Celebration of various day of environmental concern and competitions

Participation in intercollegiate competitions

Manuscript magazine –Honey bee

Cultural programs

Invited talks, seminars, workshops

5.4. Assessment of the attainment of Programme Outcomes with global relevance for developmental needs

5.4.1. Indicate tools and processes used in assessment of the attainment of POs

Feedback forms

Continuous Evaluation

Student progression

Participation and contribution in environmental concerns and awareness

Self employment

Describe the assessment process that periodically documents and demonstrates the degree to which the PO's are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each PO is based. Examples of data collection processes may include, but are not limited to, employer surveys, graduate surveys, focus groups, industrial advisory committee meetings, or other processes that are relevant and appropriate to the programme; the frequency with which these assessment processes are carried out.

5.4.2. Provide the evidence of the achievement of POs

We have just started the curriculum this year. We were using the University syllabus till the last academic year

The expected level of attainment for each of the PO.

Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the PO is being attained; and how the results are documented and maintained.

5.4.3. Indicate how the POs have been redefined the past

This is the first time we have redefined the curriculum with POs, PSO and CO.

6. Programme Specific Outcomeswith global relevance for developmental needs

6.1. Definition and Validation of Course Outcomes and Programme Specific Outcomes

6.1.1. List the Course Outcomes (COs) and Programme Specific Outcomes (PSOs)

PSO No.	**Intended Programme Specific Outcomes (PSO)** ***Upon completion of BSc. Zoology Degree Programmes, the graduates will be able to:***
PSO-1	Develop a broad foundational knowledge of the faunal diversity especially local fauna, pattern of evolution, morphological features, adaptation and classification
PSO-2	Analyze the relationship between plants, animals, microbes and deal with the local national and global environmental issues in a sustainable manner by realizing the rights of an individual and also the need to conserve our biosphere
PSO-3	Understand the basic concepts in cell biology, biochemistry, developmental biology, genetics, evolution, microbiology, immunology, research methodology, statistics and physiology
PSO-4	Understand the application of biological sciences in aquaculture, apiculture, vermiculture, quail farming and agricultural pest management, there by impart skill as well a source of additional income and self-employment
PSO-5	Generate innovative ideas for performing experiments in the areas of biochemistry, physiology, genetics, microbiology, developmental biology, bioinformatics, taxonomy, economic zoology and ecology
PSO-6	Explain the recent developments in genetic engineering, biotechnology, immunology, general informatics and bioinformatics for research activities in the department research center or in collaboration with other research institutes
PSO-7	Use concepts, tools and techniques related to chemistry and botany to acquire knowledge and its application in

	Zoology
PSO- 8	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/ virtual communications and interact productively with people from diverse backgrounds

PSO No.	**Intended Programme Specific Outcomes (PSO)** ***Upon completion of BSc. Zoology Degree Programmes, the graduates will be able to:***	**GPO No.**
PSO-1	Understand recent developments in the principles and practices of systematics and taxonomy, henceforth analyze link between the origin, evolution, phylogeny and adaptive radiation of invertebrates and vertebrates.	1,5
PSO-2	Understand the fundamental and functional aspects of ecosystem thereby enabling the learner to understand, think and evolve strategies that are used to mitigate threats to biodiversity such as conserving natural resources, ecosystem restoration and equip the students to use various tools and techniques to coordinate and participate in field activities	3
PSO-3	Understand and analyze the advanced concepts in cell biology, biochemistry, developmental biology, genetics, evolution, microbiology, immunology, research methodology, statistics and physiology	1,4
PSO-4	Generate an awareness about the biology of insects for its diversity, functional aspects and application in agricultural pest management, sericulture, apiculture, lac culture and forensic science there by impart skill as well a source of self-employment.	2,4
PSO-5	Analyse the innovative ideas in the field of biochemistry, physiology, genetics, microbiology, developmental biology, bioinformatics, taxonomy, economic zoology and ecology to develop the interest for thorough observation and performing experiments in the respective fields	1,4
PSO-6	Explain the recent developments in genetic engineering, biotechnology, immunology, general informatics and	3,6,2

	bioinformatics to provide wide opportunity in research to address the societal needs.	
PSO-7	Understand and apply, advanced tools and techniques related to biological sciences such as biophysics, bioenergetics, Instrumentation, Microbiology, Immunology, Biochemistry, Biotechnology and their potential applications in Animal Biology	6
PSO- 8	Coordinate and present appropriate applications of knowledge through effective written, verbal, graphical/ virtual communications and interact fruitfully with people from diverse backgrounds	6

(List the Course Outcomes (CO) of the courses in programme curriculum and programme specific outcomes (PSO) of the programme under accreditation)

6.1.2. State how and where the PSOs are published and disseminated

College Website and Curricula book.

Through parent teachers meetings, Board of studies meetings, faculty development programs in college

(Describe in which media (eg. websites, curricula, books etc.) PSOs are published and how the same is disseminated among stakeholders).

6.1.3. Indicate processes employed for defining PSOs

1. Staff meeting (Department wise)
2. Discussed and designed in Curriculum development workshops
3. Discussion with students
4. Opinions from Retired Teachers (M G University)
5. Suggestions of teachers from other Universities and bodies like zoological society of Kerala

(Describe the process that periodically documents and demonstrates that the PSOs are defined in alignment with the graduate attributes of NAAC)

6.1.4. Indicate how defined PSOs aligned to Graduate Attributes prescribed by UGC

The graduate attributes of UGC reflect the particular quality and feature or characteristics of an individual, including the knowledge, skills, attitudes and values that are expected to be acquired by a graduate through studies at the higher education institution (HEI) such as a college or university. The graduate attributes

include capabilities that help strengthen one's abilities for widening current knowledge base and skills, gaining new knowledge and skills, undertaking future studies, performing well in a chosen career and playing a constructive role as a responsible citizen in the society. The graduate attributes define the characteristics of a student's university degree programme(s), and describe a set of characteristics/competencies that are transferable beyond study of a particular subject area and programme contexts in which they have been developed. Graduate attributes are fostered through meaningful learning experiences made available through the curriculum, the total college/university experiences and a process of critical and reflective thinking.

The PSO based curriculum framework , can be defined in the basis of graduate attributes of UGC and it is based on the premise that every student and graduate is unique. From the discussions, it was found that PSOs correlating with graduate attributes of UGC, will improve the characteristics of students in terms of previous learning levels and experiences, life experiences, learning styles and approaches to future career-related actions. The quality, depth and breadth of the learning experiences made available to the students while at the higher education institutions help develop their characteristic attributes. PSOs and the graduate attributes reflect both disciplinary knowledge and understanding, generic skills, including global competencies,that all students in different academic fields of study should acquire/attain and demonstrate.Some of the characteristic attributes and the respective PSOs, that a graduate should demonstrate are follows

Graduate attributes of UGC	**PSO**
Disciplinary knowledge:Capable of demonstratingcomprehensive knowledge andunderstanding of one or more disciplines that form a part of an undergraduateprogramme of study.	**PSO1 – PSO8**
Communication Skills:Ability to express thoughts and ideas effectively in writingand orally; Communicate with others using appropriate media;	**PSO8**

confidently shareone's views and express herself/himself; demonstrate the ability to listen carefully,read and write analytically, and present complex information in a clear and concise manner to different groups.	
Critical thinking:Capability to apply analytic thought to a body of knowledge;analyse and evaluate evidence, arguments, claims, beliefson the basis of empiricalevidence; identify relevant assumptions or implications; formulate coherentarguments; critically evaluate practices, policies and theoriesby following scientificapproach to knowledge development.	**PSO2 – PSO7**
Problem solving:Capacity to extrapolate from what one has learned and apply theircompetencies to solve different kinds of non-familiar problems, rather than replicatecurriculum content knowledge; and apply one's learning to real life situations.	**PSO1, PSO8**
Analytical reasoning:Ability to evaluate the reliability and relevance of evidence;identify logical flaws and holes in the arguments of others; analyse and synthesisedata from a variety of sources; drawvalid conclusions and support them with evidence and examples, and addressing opposing viewpoints.	**PSO1, PSO8**
Research-related skills: A sense of inquiry and capability for	**PSO3, PSO6, PSO8**

askingrelevant/appropriate questions, problematising, synthesising and articulating; Abilityto recognise cause-and-effect relationships, define problems, formulate hypotheses,test hypotheses, analyse, interpret and draw conclusions from data, establishhypotheses, predict cause-and-effect relationships; ability to plan, execute and reportthe results of an experiment or investigation.	
Cooperation/Team work: Ability to work effectively and respectfully with diversem teams;facilitate cooperative or coordinated effort on the part of a group and acttogether as a group or a team in the interests of a common cause and work efficientlyas a member of a team.	**PSO8**
Scientific reasoning:Ability to analyse, interpret and draw conclusions fromquantitative/qualitative data; and critically evaluate ideas, evidence and experiences from an open-minded and reasoned perspective.	**PSO1 – PSO 8**
Information/digital literacy:Capability touse ICT in a variety of learning situations,demonstrate abilityto access, evaluate, and use a variety of relevant informationsources; and use appropriate software for analysis of data.	**PSO3,PSO6, PSO8**
Self-directed learning:Ability to work independently, identify appropriate resourcesrequired for a project, and	**PSO4, PSO7**

manage a project through to completion.	
Multicultural competence:Possess knowledge of the values and beliefs of multiplecultures and a global perspective; and capability to effectively engage in amulticultural society and interact respectfully with diverse groups.	**PSO2, PSO6,**
Moral and ethical awareness/reasoning: Ability toembrace moral/ethical values inconducting one‟s life, formulate a position/argument about an ethical issue frommultiple perspectives, and use ethical practices in all work. Capable ofdemonstratingthe ability to identify ethical issues related to one‟s work, avoidunethical behaviour such as fabrication, falsification or misrepresentation of data orcommitting plagiarism, not adhering to intellectual property rights; appreciatingenvironmental and sustainability issues; and adoptingobjective, unbiased and truthful actions in all aspects of work.	**PSO2**

Leadership readiness/qualities: Capability for mapping out the tasks of a team or anorganization, and setting direction, formulating an inspiring vision, building a teamwho can help achieve the vision, motivating and inspiring team members to engagewith that vision, and using management skills to guide people to the rightdestination, in a smooth andefficient way.	**PSO4, PSO8**
Lifelong learning:Ability to acquire knowledge and skills, including "learning howto learn", that are necessary for participating in learning activities throughout life,through self-paced and self-directed learning aimed atpersonal development, meetingeconomic, social and cultural objectives, and adapting to changing trades anddemands of work place through knowledge/skill development/reskilling	**PSO1, PSO4 ,PSO6**
Reflective thinking: Critical sensibility to lived experiences, with self awareness and reflexivity of both self and society.	**PSO2, PSO8**

(Indicate how the PSOs defined for the programme are aligned with the Graduate Attributes of UGC)

6.1.5. Establish the correlation between PSOs and POs

Explain how the defined PSOs of the programme correlate with the POs

POs	PSOs	
GPO 3 : Social Interaction: Foster social skills and peer interaction enabling them to make all people feel valued and respect their differences by being responsible citizens for creating a socially inclusive society	**PSO-1**	Develop a broad foundational knowledge of the faunal diversity especially local fauna, pattern of evolution, morphological features, adaptation and classification
GPO 4 : Ethical Standards: Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions		
GPO 3: Social Interaction: Foster social skills and peer interaction enabling them to make all people feel valued and respect their differences by being responsible citizens for creating a socially inclusive society	**PSO-2**	Analyze the relationship between plants, animals, microbes and deal with the local national and global environmental issues in a sustainable manner by realizing the rights of an individual and also the need to conserve our biosphere
GPO 4 : Ethical Standards: Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions		

GPO 5 : Environmental Consciousness: Discern the issues of environmental contexts and engages in promoting values and attitudes that claim coexistence and sustainable living with reduced, minimal, or no harm upon ecosystems **(GPO 3,4,5)**		
GPO 1 : Critical Thinking: Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them	**PSO-3**	Understand the basic concepts in cell biology, biochemistry, developmental biology, genetics, evolution, microbiology, immunology, research methodology, statistics and physiology
GPO 6 : Lifelong Learning: Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment	**PSO-4**	Understand the application of biological sciences in aquaculture, apiculture, vermiculture, quail farming and agricultural pest management, there by impart skill as well a source of additional income and self-employment
GPO 6 : Lifelong Learning: Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment	**PSO-5**	Generate innovative ideas for performing experiments in the areas of biochemistry, physiology, genetics, microbiology, developmental

and personal fulfillment		biology, bioinformatics, taxonomy, economic zoology and ecology
GPO 2 : Effective Communication: Demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts	**PSO-6**	Explain the recent developments in genetic engineering, biotechnology, immunology, general informatics and bioinformatics for research activities in the department research center or in collaboration with other research institutes
GPO 1 : Critical Thinking: Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them	**PSO-7**	Use concepts, tools and techniques related to chemistry and botany to acquire knowledge and its application in Zoology
GPO 5 : Environmental Consciousness: Discern the issues of environmental contexts and engages in promoting values and attitudes that claim coexistence and sustainable living with reduced, minimal, or no harm upon ecosystems		
GPO 6 : Lifelong Learning: Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment		

GPO 2 : Effective Communication: Demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts	**PSO-8**	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/ virtual communications and interact productively with people from diverse backgrounds
GPO 6 : Lifelong Learning: Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment		
GPO 3 : Social Interaction: Foster social skills and peer interaction enabling them to make all people feel valued and respect their differences by being responsible citizens for creating a socially inclusive society		

6.2. Attainment of Programme Specific Outcomes

6.2.1. Illustrate how Course outcomes (CO) contribute to PSOs

Psos	Core/ Complementary	Semester	PAPER	Cos
PSO-1	**Core**	**I**	PERSPECTIVES IN SCIENCE AND PROTISTAN DIVERSITY (T)	**1,3,4**
			PERSPECTIVES IN SCIENCE AND PROTISTAN DIVERSITY (T)	**1-4,**
		II	ANIMAL DIVERSITY-NON CHORDATA	**1-8**

			ANIMAL DIVERSITY-NON CHORDATA	**1-4**
		III	ANIMAL DIVERSITY-CHORDATA(T)	**1-6**
			ANIMAL DIVERSITY-CHORDATA (P)	
PSO-2		**I**	PERSPECTIVES IN SCIENCE AND PROTISTAN DIVERSITY (T)	**2,5,6**
		II	ANIMAL DIVERSITY-CHORDATA(T)	**5**
		V	ENVIRONMENTAL BIOLOGY AND HUMAN RIGHTS (T)	**1-8**
			ENVIRONMENTAL BIOLOGY AND HUMAN RIGHTS (P)	**1-5**
		VI	BIOTECHNOLOGY, BIOINFORMATICS AND MOLECULAR BIOLOGY	**3**
			BIOTECHNOLOGY, BIOINFORMATICS AND MOLECULAR BIOLOGY (P)	**2, 4**
PSO-3		**IV**	RESEARCH METHODOLOGY, BIOPHYSICS AND BIOSTATISTICS (T)	**1-6**

		V	CELL BIOLOGY AND GENETICS (T)	**1-5**
		VI	BIOTECHNOLOGY, BIOINFORMATICS AND MOLECULAR BIOLOGY	**1,2**
PSO-4		**VI**	OCCUPATIONAL ZOOLOGY	**1-10**
			OCCUPATIONAL ZOOLOGY (P)	**1-5**
			AGRICULTURAL PEST MANAGEMENT (T)	**1-9**
PSO-5		**I**	PERSPECTIVES IN SCIENCE AND PROTISTAN DIVERSITY (T)	**1**
		III	ANIMAL DIVERSITY-CHORDATA(T)	**1-5**
		IV	RESEARCH METHODOLOGY, BIOPHYSICS AND BIOSTATISTICS (P)	**1-4**

			OCCUPATIONAL ZOOLOGY	**1,2,10**
PSO-6		**VI**	BIOTECHNOLOGY, BIOINFORMATICS AND MOLECULAR BIOLOGY	**1-5**
			BIOTECHNOLOGY, BIOINFORMATICS AND MOLECULAR BIOLOGY (P)	**1,3**
PSO-7	-	-	-	-
PSO-8	-	-	-	-

(Provide the correlation between the course outcomes and the programme specific outcomes. The strength of correlation may also be indicated)

Each course outcomes comes under a specific PSO or set of PSO's for core courses only and complimentary courses corresponding discipline will give PSO

6.2.2. Explain how modes of delivery of courses help in attainment of PSOs

Department conducted an average of one to two Group discussions per week, (for everyclasses on every subjects). From PPT and video assisted lecturing, level of perception is improved. Mentors also can help students to attain PSOs.

(Describe the different course delivery methods/ modes, e. g. lectures interspersed with discussion, asynchronous mode of interaction, group discussion projects etc., used to deliver the courses and justify the effectiveness of these methods for the

attainment of PSOs. This may be further justified using the indirect assessment methods such as course-end surveys.)

6.2.3. Indicate the extent to which the laboratory and project course work are contributing towards the attainment of the PSOs

Experiments for practical is more on learning by doing, Students will get a clear picture of what they have learned in theory class. Group activity and projects will also help in the attainment of PSO

(Justify the balance between theory and practical for the attainment of PSOs. Justify how the various project works (a sample of 20% best and average projects from total projects) carried as part of the programme curriculum contribute towards the attainment of the PSOs.)

6.3. Assessment of the Attainment of Program Specific Outcomes

6.3.1. Describe assessment tools and processes used for assessing the attainment of each PSO

Major assessment tools used were test series for each classes based on Question Bank prepared. Module wise Question Bank was prepared on the basis of PSOs and respective COs . Evaluation based on In Semester exams also has revealed how the curriculum helps to attain the specific PSOs. Overall assessment based on PSO's can only be done after the observation based on In semester and End semester exams.

(Describe the assessment process that periodically documents and demonstrates the degree to which the PSOs are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each the PO is based. Examples of data collection processes may include, but are not limited to, specific exam questions, student portfolios, internally developed assessment exams, senior project presentations, nationally-normed exams, oral exams, focus groups, industrial advisory committee; the frequency with which these assessment processes are carried out.)

6.3.2. Indicate results of assessment of each PSOs

Evaluation is still not done with this curriculum

a) The expected level of attainment for each of the program outcomes;

b) Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the programme outcomes are attained; and

c) How the results are documented and maintained.

6.4. Use of Assessment results towards improvement of programme

Can be done only after in semester exam

(Articulate, with rationale, how the results of the evaluation of the PSOs have been used to review/redefine the PSOs)

7. Program Curriculum

7.1. Curriculum

7.1.1. Describe the Structure of the Curriculum

The UG programme in Zoology includes compulsory core courses, complementary courses, Open Course, elective course/choice based, project work, English and additional languages namely Malayalam/ Hindi/ Syriac. For the successful completion of this UG programme, a student shall acquire minimum 120 credits. Provision has also been made for two add on certificate programmes and two extra credit courses are offered for acquiring extra credits.

(List the course outcomes of the courses in programme curriculum and programme specific outcomes of the programme under accreditation)-already listed in 6.1.1

7.1.2. Justify how the program curriculum satisfies the program specific outcomes

The present curriculum will expose students to various basic, advanced and applied fields in Zoology which will facilitate them for a graduate finale course or for pursuing higher studies in Zoology. It is expected that students will have more opportunities to practice their own interests which will enable them to get employed in the biological research Institutes, and in related departments. The present curriculum includes skill oriented courses, awareness regarding physiological functioning of the body and many relevant practical that foster the development of psycho-motor skills. It also addresses the local needs, social and global issues of concern thereby creating the need to ensure sustainable life practices.

7.2. State components of Curriculum and their relevance to PSOs and POs

The UG programme in Zoology includes compulsory core courses, complementary courses, Open Course, elective course/choice based, project work, English and additional languages namely Malayalam/ Hindi/ Syriac. For the successful completion of this UG programme, a student shall acquire minimum 120 credits. Provision has also been made for two add on certificate programmes and two extra credit courses are offered for acquiring extra credits.

(Program curriculum grouping based on different components).

7.3. State Core subjects and their relevance to Program outcomes

General Perspectives In Science And Protistan Diversity	Develop scientific outlook in learning. Understand the values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions.
Animal Diversity- Non Chordata	Impart ability to love and understand the fascinating world of invertebrates, promoting values and attitudes that claim coexistence
Animal Diversity- Chordata	Inculcate in the student a fascination for nature and learn the bionomics of vertebrates. promoting values and attitudes that claim coexistence

Research Methodology, Biophysics and Biostatistics	Develop an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them
Environmental Biology and Human Rights	Develop Environmental Consciousness**:** Discern the issues of environmental contexts and engages in promoting values and attitudes that claim coexistence and sustainable living with reduced, minimal, or no harm upon ecosystems Ethical Standards**:** Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions
Cell Biology and Genetics	Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject
Evolution, Ethology and Zoogeography	Create a mind set about application of analytical approach to learning and demonstrate in-depth knowledge of the

	subject and give opinions supported by logical reasoning that one have judged to be appropriate
Human Physiology, Biochemistry	Promoting development and improvement of the knowledge
Developmental Biology and Endocrinology	Promoting continuous development and improvement of the knowledge
Microbiology and Immunology	Create a positive attutide towards maintaining the proper community health. Understand the real-time changes in the socio-technological context, promoting lifelong learning.
Biotechnology, Bioinformatics and Molecular biology	Use tools of information technology for all activities related to zoology. Embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment
Occupational Zoology (Aquaculture, Apiculture, Vermiculture and Quail farming)	Develop scientific outlook not only with respect to science subjects but also in all aspects related to life. Lifelong Learning**:** Acquire the skill to

	be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment

7.4. Course Syllabus

(Include, in appendix, a syllabus for each course used. Syllabi format should be consistent and shouldn't exceed two pages.)

The syllabi format may include:

- Department, course number, and title of course
- Designation as a required or elective course
- Pre-requisites
- Contact hours and type of course (lecture, tutorial, seminar, project etc.)
- Course Assessment methods (both continuous and semester end assessment)
- Course outcomes
- Text books, and/or reference material

7.5. Illustrate the measures and processes used to identify the curricular gaps to the attainment of the COs/PSOs with global relevance for developmental needs.

Organizing curriculum that reflects the experience of the students

(Details of the processes used to curricular gaps to the attainment of defined course outcomes and programme).

7.5.1. Syllabi revision – No: of programs added/dropped year wise.

New syllabus started this year

Year of Introduction of the programme	If revision has been carried out in the syllabus during last 5 years	Year of revision	Title and code of the course added	Title and code of the course dropped	Percentage of Syllabus content added or replaced	Link of the relevant document

(Link of relevant document, Academic Council meeting minutes)

7.6. Vertical mobility of programmes

(Explain how and when mobility windows are provided during the course of a programme, how the students benefited the vertical mobility of programmes, what are the challenges and limitations etc.)

7.7. Indicate the content beyond syllabus imparted for the attainment of the COs/PSOs

Student enrichment programs- workshop, seminars

(Details of content beyond syllabus imparted for the attainment of the COs/PSOs. This information may be provided course wise or modular wise)

7.8. Percentage of courses having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations for the last 5 years

Note: Calculate the percentage for courses addressing each issue separately.

7.8.1. UG programme[$]

Formula:

$$\text{Percentage} = \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100 = 1/28 \times 100 = 3.6\%$$

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations
B.Sc Zoology	Environmental Biology and Human Rights	ZY181510 5	Waste management measures in the college by installing vermicomposting and pipe composting units. Preparation and sale of organic pesticides and fertilizers. Organic farming, preparation of indegenous cow (Vechur cow) products('gau products'). Mushroom cultivation, Melipona-stingless honeybee rearing Ornamental fish culture 1 hr. per week is allotted for group activities inVth semester

[$] If there are more than one UG programme in a department, provide the data and the percentage for them separately.

7.8.2. PG Programme[$$]

Formula:

$$\text{Percentage} = \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100 = 1/15 \text{ x } 100 = 6.66\%$$

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations
M.Sc Zoology	Ecology: Principles And Practices	ZY2CT06	Waste management measures in the college by installing vermicomposting and pipe composting units. Preparation and sale of organic pesticides and fertilizers. Organic farming, preparation of indegenous cow(Vechur cow) products('gau products').

			Mushroom cultivation, Melipona-stingless honeybee rearing Ornamental fish culture

$$ If there are more than one PG programme in a department, provide the data and the percentage for them separately.

7.9. New courses introduced:Certificate/Diploma, Twinning/Dual Degree Programme, Double Main/Triple Main, Open Courses, etc.

(Documents of course approval or tie up if any,Minutes of AC/BOS)

7.10. Number of programmes withCBCS/elective course system implemented year wise

(Minutes of the BOS)

7.11. Number of value-added courses (with 30 or more contact hours) imparting transferable and life skills offered & percentage of students enrolled in those courses during the previous academic year

Starting only in the second semester of this year

Formula:

Percentage of students enrolled in value added courses = $\frac{\text{Number of students enrolled in the courses in the last 3 years}}{\text{Total number of courses in all programmes}} \times 100$

Year -				
Name of the value added courses (with 30 or more contact hours) offered during last 3 years	Course Code	No. of times offered during the same year	Number of students enrolled in the year	Number of Students completing the course in the year
Applied Biology	ZYA18	1	38	38

for Sustainable Livelyhood-I	1401			
Applied Biology for Sustainable Livelyhood-II	ZYA18 1402	2	78	78
Addown Course: Medical coding	ZYA181 403	3	40	40
Certificate course on taxonomic procedures	ZYA181 404	1	39	39

7.12. Employability/ entrepreneurship / skill development

7.12.1. Percentage of courses in UG programme having focus on employability / entrepreneurship / skill development for the last 5 years¶

Formula:

Percentage = $\frac{\text{Number of courses with focus on employability / entrepreneurship / skill development}}{\text{Total number of courses in the UG programme}} \times 100 = 1/28 \times 100 = 3.57$

Name of the Program	**Name of the Course**	**Year of introduction**	**Year of discontinuation**	**Activities with direct bearing on Employability/ Entrepreneurship/ Skill development**
B.Sc Zoology	**Economic Zoology**	**2012**	**Modified and given the name Occupational Zoology from 2018 syllabus**	**Self employment/ skill development**

¶ If there are more than one UG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

7.12.2. Percentage of courses in PG programme having focus on employability / entrepreneurship / skill development for the last 3 years¶

Formula:

Percentage = $\frac{\text{Number of courses with focus on employability / entrepreneurship / skill development}}{\text{Total number of courses in the UG programme}} \times 100$

Name of the Program	Name of the Course	Year of introduction	Year of discontinuation	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development

¶ If there are more than one PG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

7.13. Industry interaction/internship

(Give the details of industry involvement in the program such as industry attached laboratories and partial delivery of courses and internship opportunities for students).

7.13.1. Percentage of UG students undertaking field projects/internships in other institutions

Formula:

$\frac{\text{Number of UG students undertaking field projects or internships}}{\text{Total number of UG students}} \times 100 = 52/351 \times 100 = 14.81$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out
VI	Kevin Philip	1	39	Indian Institute

				of Science-Bangalore
VI	Nithin C. T., Vaishnavi Anilkumar, Mathew Daniel, Suncy Varghese, Sumi Babu, Swathy Kiran, Farzin Shaji, Narmada S. Durga, Seena Shaji, Bijin Babu, Sanika S. Anand, Vivek Lal A, Unnimaya S., Anoosha V. R, Anooja N. J., Athira R.P., Hisana C. O., Vineetha R., Nirmal P. S., Nivin Raj, Akza	51	117	In various places of Kerala

	Baby, Athira Satheeshan, Sreelekshmi S. Nair, Kavya K. G., Saniya Thomas, Jeffin Mathew, Aleena Mathew, Rose Mary Jose, Abhishankar S. J, Soorya P. S., Anjaly Lalu, Aswathy T. S., Nimisha Varkey, Maneesh P. R, Dani P. Biju, Lovin Oommen Mathew, Ansumol James and Anjitha Vijayan, Krishnendu K. S, Rehan Mathew			

7.13.2. Percentage of PG students undertaking field projects/internships in other institutions

Formula:

$$\frac{\text{Number of PG students undertaking field projects or internships}}{\text{Total number of PG students}} \times 100 = 28.57\%$$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out
	Anjana T.K, Ann Liya Sajan, Amitha Susan Mathew, Gima Rose Mathew, Parvathi V, Sreeshma M. K., Roshna Merin Rigi, Sanju C. Sunny	8	28	Kerala

8. Result and Students Performance

8.1. Success Rate (Result)

Formula:

Pass percentage = $86.50\frac{\text{Total number of students who passed the course examination in a year}}{\text{Total number of students appeared for the course examination in a year}} \times 100$

2018-19

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
					S	A+	A	B+	B	C	D	E	F
4 (2017-20)	Research methodology Biophysics and Biostatistics ZY1714204	39	32	82.05	1	6	6	4	4	5	6		7
4 (2017-20)	Animal diversity chordate ,Research methodology, biophysics and Biostatistics ZY1714602	39	34	87.17	14	13	6	3	3				5
3 (2017-20)	Animal Diversity chordate ZY171303	40	35	87.5	3	5	4	9	5	3	6		5
2	Animal	42	34	80.95	1	6	8	6	8	4	1		8

(2018-21)	diversity non chordate ZY181202												
	Core zoology practical ZY1812601	42	40	95.23	10	15	10	3		2			2
1 (2016-19) Supplementary Or Betterment	General Perspectives in science and protistan diversity ZY1711101	12	8	66.66		1	1		2	3	1		4
5 (2016-19)	Cell biology and molecular biology ZY15117	37	31	83.78		4	6		3	9	4	5	6
	Environmental biology Toxicology and Disaster management ZY15119	37	33	89.19			7		9	9	2	6	4
	Evolution Zoogeography and Ethology ZY15121	37	31	83.78		6	6		9	4	4	2	6
	Biochemistr	37	30	81.08		2	6		8	5	6	3	7

	y Human physiology and Endocrinology ZY15123												
	OPEN												
6 (2016-19)	Reproductive and developmental biology ZY16126	37	28	75.68		4	4		4	11	4	1	9
	Genetics and biotechnology ZY16128	37	28	75.68		4	5		5	3	7	4	9
	Microbiology and immunology ZY16130	37	29	78.38		4	7		6	6	3	3	8
	General informatics bioinformatics and biostatistics ZY16132	37	31	83.78		5	7		6	6	1	6	6
	Economic zoology ZY16334	37	32	86.49		2	6		12	4	4	4	5
	Biochemistry human physiology	37	37	100	6	14		12	4	1			

	and endocrinology Reproductive and developmental biology (P) ZY16127												
	Environmental biology Toxicology and disaster management Evolution Zoogeography and Ethology (P) ZY16129	37	37	100		22	9		5		1		
	Cell biology Molecular biology Genetics and Biotechnology (P) ZY16133	37	37	100		17	12		8				
	Immunology General informatics Bioinformatics and	37	37	100		11	18		8				

	Biostatistics (P) ZY16133												
	Project and Viva ZY16135	37	37	100		27	9		1				

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UG Main Courses

Semester	**Course title and code**	**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**				**Number of students with grade**					
					S	**A+**	**A**	**B+**	**B**	**C**	**D**	**E**	**F**
5 (2017-20)	Environmental biology and human rights ZY1715105 (2017-20)	38	36	94.74		4	11	9	4	7	1		2
	Cell biology and genetics ZY1715106	38	30	78.95		6	6	3	7	4	4		8
	Evolution ethology and zoogeography ZY1715107	38	35	92.11	1	3	12	5	7	2	5		3
	Human	38	30	78.95	1	5	3	7	8	2	4		8

	physiology Biochemistry and endocrinology ZY1715108												
5 (2017-20) Betterment or supplementary	Cell biology and genetics ZY1715106	6	3	50.00						1	2		
	Evolution ethology and zoogeography ZY1715107	1	1	100							1		
	Human physiology Biochemistry and endocrinology ZY1715108	6	4	66.66						1	3		2
1 (2019-22)	General perspectives in science and Protistan diversity ZY1811101	39	34	87.18	4	9	6	5	5	5			5
1 (2018-21) Betterment or supplementa	General perspectives in science and Protistan diversity	11	9	81.82			3	1	2	1	2		2

ry	ZY1811101												
6 (2016-19) Supplementary	Reproductive and developmental biology ZY16126	3	1	33.33								1	2
	Genetics and biotechnology ZY16128	3	0	0									3
	Microbiology and immunology ZY16130	1	0	0									1
	General informatics bioinformatics and biostatistics ZY16132	1	1	100								1	
6th sem (2017-20)	Developmental biology ZY1716109	37	29	78.37	4	3	8	4	6	2	2		8
	Microbiology and immunology ZY1716110	37	33	89.18	1	6	8	7	5	4	2		4
	Biotechnology Bioinformatics and molecular biology	37	29	78.37		5	7	5	6	3	3		8

	ZY1716111												
	Occupational Zoology ZY1716112	37	34	91.89	6	4	13	4	5	2			3
	Agricultural pest management ZY1716301	37	31	83.78	1	4	2	5	8	5	6		6
	Environmental biology toxicology and genetics (P) ZY1716603	37	36	97.29	7	8	14	5	1	1			1
	Evolution ethology zoogeography human physiology Biochemistry and endocrinology (P) ZY1716604	37	36	97.29	8	13	11	4					1
	Developmental biology Microbiology and Immunology (P) ZY1716605	37	36	97.29	1	7	13	8	7				1
	Biotechnology	37	36	97.29	8	19	7	2					1

	Bioinformatics Molecular biology and occupational zoology (P) ZY1716606												
	Project work ZY1716801	37	36	97.29	14	16	6						1
3rd Sem (2018-21)	Animal Diversity chordate ZY1813103	39	39	100	1	10	7	5	10	2	4		
4th Sem (2018-21)	Research methodology Biophysics and Biostatistics ZY1814104	39	36	92.30		8	8	7	8	4	1		3
	Animal diversity chordate Research methodology Biophysics and Biostatistics (P) ZY1814602	39	36	92.30	9	19	7	1	3				3

UG Subsidiary Courses

Semester	Course title and code	Number of students	Number of students	Pass percentag	Number of students with grade

		appeared for the course examination	**passed the course examination**	**e**	**S**	**A +**	**A**	**B +**	**B**	**C**	**D**	**E**	**F**
1st Semester (nov 2019)	Non chordate diversity ZY1811201 (Biotechnology)	32	27	84.3		4	4	2	6	7	4		5
	Non chordate diversity ZY1811201 (Botany)												
	Non chordate diversity ZY1811201 (FACS)												
2nd Sem (March 2020)	Chordate diversity ZY1812202 (Biotechnology)	**30**	**29**	**96.66**	**4**	**10**	**5**	**4**	**5**	**1**			**1**
	Non chordate diversity and chordate diversity (P) ZY1812701 (Biotechnology)	**30**	**29**	**96.66**	**7**	**20**	**2**						**1**
	Chordate diversity ZY1812202 (Botany)	**35**	**29**	**82.85**	**4**	**9**	**9**	**3**	**2**	**3**	**2**		**6**
	Non chordate diversity and chordate diversity (P) ZY1812701	**35**	**35**	**100**	**2**	**18**	**8**	**5**	**2**				

	(Botany)												
	Chordate diversity ZY1812202 (FACS)												
	Non chordate diversity and chordate diversity (P) ZY1812701 (FACS)												
3rd Sem (2018-21)	Animal Physiology and immunology ZY1813203 (Botany)	43	11	74.41	1	6	2	4	9	5	5		1 1
	Animal Physiology and immunology ZY1813203 (Biotechnology)	29	28	96.55	2	5	1	8	5	3	4		1
	Animal Physiology and immunology ZY1813203 (FACS)	22	15	68.18	1	2	2	4	5	1			7
4th Sem (2018-21)	Applied Zoology ZY1814204	41	35	85.36	4	4	8	5	4	3	7		6

	(Botany)												
	Physiology and Immnunology Applied Zoology ZY1814702 (P) (Botany)	41	39	95.12	2	23	5	6	2	1			2
	Applied Zoology ZY1814204 (Biotechnology)	29	28	96.55	1	6	8	3	3	5	2		1
	Physiology and Immnunology Applied Zoology ZY1814702 (P) (Biotechnology)	29	29	100	12	11	5	1					
	Applied Zoology ZY1814204 (FACS)	22	21	95.45		4	4	2	6	4	1		1
	Physiology and Immnunology Applied Zoology ZY1814702	22	22	100	4	15	2	1					

	(P) (FACS)												

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UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
					S	A+	A	B+	B	C	D	E	F
5th Sem (2018-21)	Environmental biology and Human rights ZY1815105	39	38	97.43	5	12	12	3	4	1	1		1
	Cell biology and genetics ZY1815106	39	34	87.17	2	9	9	6	4	3	1		5
	Evolution Ethology and Zoogeography ZY1815107	39	36	92.30	18	10	3	1	2	2			3
6th sem (2018-21)	Developmental biology and Endocrinology ZY1816109	39	37	94.87	14	13	1	3	5	1			2
	Microbiology and Immunology	38	35	89.74									

	ZY1816110												
	Biotechnology Bioinformatics and Molecular Biology ZY1816111	39	35	89.74	4	6	11	5	3	5	1		4
	Occupational zoology ZY1816112	39	37	94.87	3	15	8	4	3	4			2
	Agricultural pest management ZY1816301	39	35	89.74	7	14	7	4	2	1			4
	Environmental biology and Human rights and Cell biology and Genetics (P) ZY1816603	39	39	100	12	13	8	6					
	Evolution Ethology and Zoogeography Human physiology Biochemistry (P) ZY1816604	39	39	100	19	12	7	1					
	Developmental biology	39	39	100	9	17	6	6	1				

	Endocrinology Microbiology and Immunology (P) ZY1816605												
	Biotechnology Bioinformatics Molecular biology and Occupational Zoology (P) ZY1816606	39	38	97.43	15	13	7	3					1
	Project work ZY1816801	39	39	100	1	12	22	4					

UG Open Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
					S	A+	A	B+	B	C	D	E	F
5th Open course (2018-	Vocational Zoology ZY1815401	43	43	100		5	10	11	9	6	2		

21)													

2018 - 2019

PG Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F
I	ZY21101 Biosystematics and animal diversity	11	10	90.9	0	8	2		1	
	ZY21102 Evolutionary Biology and Ethology	11	10	90.9	2	7	1		1	
	ZY21103 Biochemistry	11	11	100	1	8	2			
	ZY21104 Biostatistics, computer application and research methodology	11	10	90.9	2	7	1		1	
	ZY21105 Biosystematics and animal diversity, Evolutionary Biology and Ethology, Biochemistry, Biostatistics, computer application and	11	11	100	5	6				

	research methodology Practical									
II	ZY22106 Ecology-principles and practices	11	11	100	3	7	1			
	ZY22107 Genetics and bioinformatics	11	10	90.9		9	1		1	
	ZY22108 Developmental Biology	11	10	90.9	2	8			1	
	ZY22109 Biophysics, instrumentation and biological techniques	11	11	100		7	4			
	ZY22110 Ecology, Genetics and bioinformatics, Developmental Biology, Biophysics and instrumentation Practical	11	11	100	10	1				
III	ZY23111 Animal Physiology	12	11	91.7	2	6	3		1	
	ZY23112 Cell and molecular biology	12	12	100	2	9	1			
	ZY23113Microbiology and biotechnology	12	11	91.7	0	9	2		1	
	ZY23114Immunology	12	12	100	1	10	1			
	ZY23115Cell and Molecular Biology, Microbiology and Biotechnology Practical	12	12	100	9	2	1			

	ZY23116 Animal Physiology Practical	12	12	100	9	3				
IV	ZY24317 Entomology: morphology and taxonomy	12	11	91.7	0	10	1		1	
	ZY24318 Entomology: Anatomy and physiology	12	11	91.7	3	7	1		1	
	ZY24319 Applied Entomology	12	12	100	0	9	3			
	ZY24320Morphology, Anatomy and taxonomy Practical	12	12	100	8	4				
	ZY24321 Insect physiology and Applied Entomology Practical	12	12	100	9	3				
	ZY24122 Project	12	12	100	10	1	1			
	ZY24123 Viva-voce	12	12	100	9	3				

2019 - 2020

PG Courses

Semester	**Course title and code**	**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**	**Number of students with grade**								
					A+	**A**	**B+**	**B**	**C+**	**C**	**D**	**E**	**F**

I	ZY1921101 Biosystematics and animal diversity	8	8	100		1	1	4	1		1		
	ZY1921102 Evolutionary Biology and Ethology	8	8	100	2	2	1	1	1	1			
	ZY1921103 Biophysics, instrumentation and biological techniques	8	8	100		2	2	2			2		
	ZY1921104 Biostatistics, computer application and research methodology	8	8	100		1	2	2	1		2		
	ZY1921601 Biosystematics and animal diversity, Evolutionary Biology and Ethology, Biophysics, instrumentation and biological techniques, Biostatistics, computer application and research methodology Practical	8	8	100		4	2	2					
II	ZY1922105 Ecology- principles					1	3	3			1		

	and practices												
	ZY1922106 Genetics and bioinformatics				1	2	3		1		1		
	ZY1922107 Developmental Biology				1	2	1	2		1	1		
	ZY1922108 Biochemistry					2	1	2	1		2		
	ZY1921602 Ecology- principles and practices. Genetics and bioinformatics, Developmental Biology, Biochemistry				6		1				1		
III	ZY23111Animal physiology	11				0		7	3		0	1	1
	ZY23112 Cell and molecular biology	11				1		7	3		0	0	0
	ZY23113 Microbiology and biotechnology	11				2		7	2		0	0	0
	ZY23114 Immunology	11				1		7	3		0	0	0
	ZY23115 Cell and Molecular Biology, Microbiology and Biotechnology Practical	11				7		4	0		0	0	0
	ZY23116 Animal Physiology Practical					5		6	0		0	0	0

IV	ZY24317Entomology: morphology and taxonomy	11	11	100		5		6					
	ZY24318Entomology: Anatomy and physiology	11	11	100		1		7	2		1		
	ZY24319 Applied Entomology	11	11	100		1		8	2				
	ZY24320 Morphology, Anatomy and taxonomy Practical	11	11	100		9		2					
	ZY24321 Insect physiology and Applied Entomology Practical	11	11	100		5		6					
	ZY24122 Project	11	11	100		10		1					
	ZY21123 Viva-voce	11	11	100		6		5					

2020 - 2021

PG Courses

Semester	**Course title and code**	**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**	**Number of students with grade**								
					A+	**A**	**B+**	**B**	**C+**	**C**	**D**	**E**	**F**
I	ZY1921101 Biosystematics and animal diversity												

	ZY1921102 Evolutionary Biology and Ethology												
	ZY1921103 Biophysics, instrumentation and biological techniques												
	ZY1921104 Biostatistics, computer application and research methodology												
	ZY1921601 Biosystematics and animal diversity, Evolutionary Biology and Ethology, Biophysics, instrumentation and biological techniques, Biostatistics, computer application and research methodology Practical												

II	ZY1922105 Ecology-principles and practices												
	ZY1922106 Genetics and bioinformatics												
	ZY1922107 Developmental Biology												
	ZY1922108 Biochemistry												
	ZY1921602 Ecology-principles and practices. Genetics and bioinformatics, Developmental Biology, Biochemistry Practical												
III Kavya	ZY1923109 Animal physiology	7	7	100			2	2	1	2			
	ZY1923110 Cell and molecular biology	7	7	100			2	2	2	1			
	ZY1923111 Microbiology and	7	7	100	1	2	2	2					

	biotechnology												
	ZY1923112 Immunology	7	7	100	1	2	1	2	1				
	ZY1923603 Cell and Molecular Biology, Microbiology and Biotechnology Practical	7	7	100	6	1							
	ZY1923604 Animal Physiology and Immunology	7	7	100	6	1							
IV	ZY1924301 Entomology: morphology and taxonomy												
	ZY1924302 Entomology: Anatomy and physiology												
	ZY1924303 Applied Entomology												
	ZY1924304 Vector and Vector Borne disease												
	ZY1924701												

	Morphology, Anatomy and taxonomy Practical												
	ZY1924702 Insect physiology and Applied Entomology Practical												
	ZY1924801 Project												
	ZY1924901 Viva Voce												

8.2. Academic Performance

8.2.1. Percentage of students qualifying state/ national/ international level examinations during the last 5 years (eg: NET/SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations/ other examination)

Formula: 25

Percentage =

$$\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students who have appeared for the exam}} \times 100$$

Academic year:

Registration number/roll number for the exam	**Number of students selected/ qualifying**							
	NET	**SLET**	**GATE**	**GMAT**	**CAT**	**GRE**	**TOFEL**	**Civil Servi**

Sujith PB- KL1116200487	NET							
Seena Elizabeth John- XL21S67222090			GATE					
Haritha Prasad- 369151	JRF							
Parvathi V-191620070571	NET							
Abdul Razaque MA-KL0416200654	JRF							
Ann Liya Sajan-316967	JRF							
Aleena Elsa Mani-KL11600389	NET							

8.3. Placement and Higher Studies

8.3.1. Percentage of placement of outgoing students from UG programme during the last 5 years[$$]

Formula: 4.27

Percentage =

$$\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$$

Number of students placed	Name of the employer with contact details	Package received

13	Associate AR- Omega healthcare management services Pvt. Ltd, Bangalore	19709
1	IT supervisor-networking	13,000
1	ECG technician- Govt. medical college, Thrissur	10000

[$$] If the department offers more than one UG programme, provide the data and the percentage for each programme

8.3.2. Percentage of student progression from UG programme to higher education, i.e. UG to PG (previous graduating batch)[##]

Formula: 9.11 $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Name of program graduated from	**Number of students enrolling into higher education**	**Name of institution joined**	**Name of program admitted to**
B.Sc. Zoology	32	Central University campus, Kasargod, CUSAT, Cochin SB College Changannassery, CMS College, Kottayam, SH College, Thevara KG College, Pampady St. Mary's College, Manarcadu	M.Sc. Zoology, M.Sc. Microbiology, M.Sc. marine biology, M.Sc. Genomic science, MSW

[##] If the department offers more than one UG programme, provide the data and the percentage for each programme

8.3.3. Percentage of placement of outgoing students from PG programme during the last

3 years[$$]

Formula:

Percentage = $10.71 \frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$

Number of students placed	Name of the employer with contact details	Package received
Seetha Lakshmi	National Institute of Virology	31,000
Rhosna	IIMC International Institute of Medical Coding	20,000
Gima Rose Mathew	Teacher-St.Josephs public school, Alappuzha	8000

[$$] If the department offers more than one PG programme, provide the data and the percentage for each programme

8.3.4. Percentage of student progression from PG programme to higher education , i.e. PG to M.Phil./PhD (previous graduating batch)[##]

Formula:$7.14 \frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Name of program graduated from	Number of students enrolling into higher education	Name of institution joined	Name of program admitted to
PG	1	Zoological survey of India Kolkata	**Ph.D**
PG	1	National Institute of Oceanography	**Ph.D**

[##] If the department offers more than one PG programme, provide the data and the percentage for each programme

8.4. Extra-curricular Activities

(Instruction: Student support system concerned may provide data for the past five years)

8.4.1. Number of students participated in sports at intercollegiate / University / state/ national / international level during the last 3 years

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID

			number
Kabadi, Men	Mr. Maneesh P.R	Regional	
Fencing	Mr. Amal Raj	Regional	

8.4.2. Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years

Name of the event	**Name of the student**	**Name of the award/ medal**	**Regional/State / National/ International**	**AADHAR / Student ID number**
Kabadi , Men	Mr. Maneesh P.R	MG University South sorn Champion	Regional	

8.4.3. Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 3 years

Name of the event	**Name of the student**	**Regional/State/ National/ International**	**AADHAR / Student ID number**
Intercollegeate Treasure hunt organized by St. Thomas College Pala	Seena Elizabeth John	State	
Intercollegeate Zoofest organized by KE College, Mannanam	Ashwathy TS		
Arts festival Organised by College Union CMS College, Kottayam	Anusha V.R		
Meenachil odonate survey organized by	Mathew Daniel	State	

TIES			
Nature education camp at Periyar Tiger Reserve	Vivek Lal A	State	
Meenachil odonate survey organized by TIES	Srayona S.	State	
Meenachil odonate survey organized by TIES	Akza Baby	State	

8.4.4. Number of awards/medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

Name of the event	**Name of the student**	**Name of the award/ medal**	**Regional/State/ National/ International**	**AADHAR / Student ID number**
Intercollegeate Quize competition as part of world environment day organized by SB College Chenganassery	Devika S Nair	First Prize	State	
Intercollegeate Quize competition as part of world environment day organized	Anjaly Jayachandran	First Prize	State	

by SB College Chenganassery				
Intercollegeate Quize competition as part of Biofest organized by Assumption College Chenganassery	Anjaly Jayachandran	First Prize	State	
Intercollegeate Quize competition as part of Zoofest organized by government College, Kottayam	Anjaly Jayachandran	First Prize	State	
Intercollegeate photography competition as part of Zoofest organized by KG College, Pambady	Jeffin Mathew	Second Prize		
Intercollegeate photography competition as part of	Jeffin Mathew	Second Prize		

Zoofest organized by Alphonsa College, Pala				
KA Thomas memmorial all Kerala Intercollegeate Quize competition organized by SB College Chenganassery	Anjaly Jayachandran	Third Prize	State	
Intercollegeate Quize competition as part of Ozone day celebration organized by CMS College, Kottayam	Devika S Nair	Second Prize	State	
Bioquize combatition as part of Intercollegiate Zoofest organized by Assumption College Chenganassery	Devika S Nair	First Prize	State	
Cross word puzzle combatition	Devika S Nair	Third Prize	State	

as part of Intercollegiate Zoofest organized by SB College Chenganassery				
Intercollegeate Quize competition as part of Zoofest organized by government College, Kottayam	Devika S Nair	First Prize	State	
Intercollegeate Quize competition as part of science day celebration organized by CMS College, Kottayam	Devika S Nair & Anjaly Jayachandran	First Prize	State	
Intercollegeate Quize competition as part of world environment day Morning star home science college Angamali	Preethi P.	First Prize	State	

Hand painting as part of Intercollegiate Zoofest organized by Baselious College, Kottayam,	Anjana & Devana	First Prize	State	
Hand painting as part of Intercollegiate Zoofest organized by Baselious College, Kottayam,	Seethalakshmi & Seena S	Second Prize	State	
Spotter identification of specimens as part of Intercollegiate Zoofest organized by Baselious College, Kottayam,	Seethalakshmi	Second Prize	State	
Beg, Bbrrow, Buy as part of Intercollegiate Zoofest organized by Baselious College, Kottayam,	Seena Elizabeth John	Second Prize	State	
Specimen identification as part of				

Intercollegiate Biofest organized by SB College Chenganassery	Seena Elizabeth John	Second Prize	State	
Hand Painting as part of Intercollegiate Zoofest organized by Baselious College, Kottayam,	Seena Elizabeth John	Second Prize	State	
Spotter identification of specimens as part of Intercollegiate Zoofest organized by Baselious College, Kottayam,	Seena Elizabeth John	First Prize	State	
Spot Choreography as part of Intercollegiate Zoofest organized by Baselious College, Kottayam,	Vinetha R.	First Prize	State	
Ecogreen Competition as part of Intercollegiat	Mr. Kevin Philip Sabu	First Prize	State	

e Zoofest organized by Alphonsa college Pala				
Intercollegiate PowerPoint presentation combetition as part of world ozone day celebration organized by Hendry Baker College, Melukavu	Mr. Kevin Philip Sabu	First Prize	State	
PowerPoint presentation combatition as part of Intercollegiate Biofest organized by SB College Chenganassery	Mr. Kevin Philip Sabu	First Prize	State	
Bio biz combatition as part of Intercollegiate Biofest organized by SB College Chenganassery	Mr. Kevin Philip Sabu	Second Prize	State	
SOS-speak on spot combatition as part of	Mr. Kevin Philip Sabu	First Prize	State	

Intercollegiate Biofest organized by SB College Chenganassery				
PowerPoint presentation combatition as part of Intercollegiate Zoofest organized by Assumption College Chenganassery	Mr. Kevin Philip Sabu	First Prize	State	
Just a minutes combatition as part of Intercollegiate Zoofest organized by Assumption College Chenganassery	Mr. Kevin Philip Sabu	Second Prize	State	
Power point presentation as part of Intercollegiate Zoofest organized by BCM College Kottayam	Mr. Kevin Philip Sabu	First Prize	State	
Memory test as part of Intercollegiate Zoofest organized by	Preethi Elizabeth Abraham	First Prize	State	

Alphonsa college Pala				

8.4.5. Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years

Formula: 11.11

Percentage =

$$\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$$

Name of the activity	**Name of the student**	**Organizing unit/ agency/ collaborating agency**	**Number of students participated in such activities**	**Total number of students**
Mushroom cultivation workshop in adopted villages Chengalam South, Kariyil and Thiruvarp on 11/02/2020 and 12/02/2020 Department of Zoology, CMS College, Kottayam in Association with Unnath Bharath Abhyan	Akza Baby Aleena Mathew Anoosha V R Archana M S Aswathy T S	Thiruvarpu Panchayathu & Kudumbhasree		

	Athira R P		39	39
	Athira Satheeshan			
	Kavya K G			
	Krishnapriya A R			
	Narmada S Durga			
	Neethumol T S			
	Nimisha Varkey			
	Nirmal P S			
	Rose Mary Jose			
	Seena Shaji			
	Sreelekshmi S Nair			
	Abhishankar S J			
	Aiswarya Rani H			
	Alwin Johnson			
	Anjaly Lalu			
	Anooja N J			
	Bijin Babu			
	Hisana Co			

	Jeffin Mathew			
	Jinsu Mathew			
	Kripa V Roy			
	Midhuna Ramachandran			
	Nithin. C.T			
	Nivin Raj T			
	Saipra bha G			
	Sanika S Anand			
	Soorya P S			
	Srayona S			
	Vaishnavi Anilkumar			
	Vineetha R			
	Vivek Lal A			
	Vineetha R			
	Vivek Lal A			
	Mathew Daniel			
	Unnimaya S			

8.4.6. Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3 years

Formula:

Percentage = 49.57

$$\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$$

Name of the activity **NSS**	**Name of the student**	**Number of students participated in such activities**	**Total number of students**
2018-19	Joyal George Alwin Simon Sayuj S. Akhila M. Anjitha Vijayan Grashya Lee Sabu Sandra V. Suresh Sandra C. Suresh Akshaya M. Mahesh Krishna Gargi Gopakumar Sreelakshmi P. Neenu Ann Mathew Stinu mol T.S. Anila Thankachan Seena Elizabeth John Ajmeya Sultan Aswathy K.G. Lekshmi Rajesh Megha Murali Juby Susan Varghese	**21**	
2019-20		**15**	
2020-21		**18**	

Provide table wise and year wise data separately for NSS/NCC/Clubs/College Union etc.

Name of the activity **NCC**	**Name of the student**	**Number of students participated in such activities**	**Total number of students**
2018-19	Albin Varghese Jerin M.D. Praveena Satheesan Liji sam Mariya Kavyamol M.K. Ansumol James	**06**	
2019 - 20		**5**	
2020 - 21		**4**	

Provide table wise and year wise data separately for NSS/NCC/Clubs/College Union etc.

Name of the activity **Nature Club**	**Name of the student**	**Number of students participated in such activities**	**Total number of students**
2018-19		**40**	
2019 - 20		**27**	
2020 - 21		**38**	

8.4.7. Professional societies/ chapters and organizing academic events

Name of the student	**Name of society/chapter**	**Academic event organized**

8.4.8. Organization of paper contests, design contests, etc., and achievements

Name of the student	**Name of contest**	**Type of the contest**	**Achievements**

8.4.9. Publication of technical magazines, newsletters, journals, etc.

Name of the	**Technical magazine**	**Newsletter**	**Journal**

student												
	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.
Zoology Association	Honey Bee		3									

8.4.10. Entrepreneurship initiatives, product designs and innovations
(Describe the initiatives taken)

8.4.11. Publications and awards in inter – institute events by students of the programme of study

Name of the student	Name of the awarding institute	Name of the event	Name of the award	Position acquired (first/second third)

9. Faculty Contributions

9.1. Student Teacher Ratio (STR) – 1:15

9.2. Faculty Cadre Ratio -

9.3. Faculty Qualifications

9.3.1. Percentage of full time teachers registered for Ph.D. (Value points will be given only for the first 5 years of registration)

Formula:

Percentage = **14.28%**

$$\frac{\text{Number of full time teachers in the department registered for Ph. D.}}{\text{Total number of full time teachers}} \times 100$$

Name of full time teacher registered for PhD	Date of registration	Number of full time teachers registered for PhD	Total number of full time teachers
Vijo Thomas Kurien	29/12/2014	01	07

9.3.2. Number of teachers awarded national/international fellowship for advancedstudies/research during the last 5 years

Year	Name of the teacher awarded national / international fellowship	Name of the award	Awarding Agency

9.3.3. Percentage of teachers recognized as research guides

Formula: $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers in the department}} \times 100 = 42.85\%$ (3/7)

Name of teachers recognized as research guides	Year of recognition	Recognizing University	Total number of teachers
Dr. SosammaOommen	2015	Mahatma Gandhi University, Kottayam	**03**
Dr. Jobin Mathew	2015	Mahatma Gandhi University Kottayam	
Dr. Nisha P. Aravind	2018	Mahatma Gandhi University Kottayam	

9.4. Faculty competencies in correlation to Programme Specific Criteria

9.5. Academic Calendar and Teaching plans

(Upload details of five years)

9.6. Number of Ph.D.s awarded per teacher (as research guide) during the last 5 years

Formula: $\frac{\text{Total number of Ph.D.degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$

Name of the PhD scholar	Name of the guide/s	Title of the thesis	Year of registration of the scholar	Year of award of PhD

9.7. Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, E-content management etc.**

Formula: $100\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$

Name of teacher using ICT	Type of ICT facilities used	Number of teachers using ICT	Total number of teachers
Dr. Sosamma Oommen	Interactive board, PPT presentation, Video based learning, Virtual Class room	08	08
Dr. Jobin Mathew			
Dr. Nisha P.Aravind			
Dr. Pushpageetha S			
Sri. Sony Joseph			
Dr. Baaby Job			

** Validation based on student feedback and link for webpage describing LMS/ Academic Management System.

9.8. Faculty as participants/resource persons in faculty professional development/training Activities/seminars/workshops/symposia/conferences (national & international)

Year	Duration (From – to)	Name of the teacher	Role of the teacher (participation/ resource person)	Type of programme (faculty development/ training/ seminar/ workshop/ symposia/ conference)	Name of the programme	National/ international

2019	01.08.2019-04.08.2019	Dr. Nisha P Aravind	participation	Seminar		International
2019	15.10.2019	Dr. Nisha P Aravind	participation	Seminar		National
2020	6-7 January, 2020	Mr. Vijo Thomas Kurien	participation	Conference		International
2020	26.02.2020	Mr. Vijo Thomas Kurien	participation	Seminar		National
2020	20.01.2020-24.01.2020	Mr. Vijo Thomas Kurien	participation	Workshop		National
2019	22nd March	Mr. Sony Joseph	participation	symposia	One day symposia	
2019	26th to 27th March	Mr. Sony Joseph	participation	training	Clinical Cytogenetic	National
2018	1st and 2nd November	Mr. Sony Joseph	participation	workshop	Molecular Identification of Bacteria	National
2018	27th Januvary	Mr. Sony Joseph	participation	Seminar	Quality sustenance in Higher Education: Challenges and oppertunities	National
2018	29th September	Mr. Sony Joseph	participation	Seminar	Talk on environmental science and	National

					human rights	
2019	15th October	Dr. Nisha P Aravind	participation	Seminar	One day seminar on Massive Open Online Course (MOOC) Developme nt	National
2020	23rd and 24th January		Presentation		National Seminar on Coastal Wetlands in Kerala Significance Threats and Conservatio n	National
2020	15th to 17th October	Dr. Nisha P Aravind	participation	Seminar	Internationa l webinar on SOFI 2020 Sustainable ornamental fisheries:	Internationa
2020	23rd September	Dr. Nisha P Aravind	participation	Seminar	Online webinar on NEP policy 2020: Opportuniti es and	National

					challenges for the collegiate education	
2018	October 4th and 5th.	Dr. Nisha P. Aravind	Participation	workshop	Two days workshop on Biological Techniques	National
2020	6th August	Dr. Nisha P. Aravind	Participation	workshop	NPTEL E-Awareness workshop	National
2019	20th and 21st May	Dr. Nisha P. Aravind	Participation	workshop	Annual live in camp organised by Zoological Society of Kerala on	National
2019	26th and 27th March	Dr. Nisha P. Aravind	Participation	workshop	Two days workshop on Clinical Cytogeneti cs	National
2020	9th September	Dr. Nisha P Aravind	participation	Seminar	Online webinar on Salient features of NEP and its	National

					Rationale,	
2020	23rd July	Dr. Nisha P Aravind	participation	Seminar	International webinar on Metagenomic library construction and screening	International
2020	18th July	Dr. Nisha P Aravind	participation	Seminar	National webinar on Role of IQAC in innovative teaching learning pedagogy and quality sustenance in the post Covid 19 scenario	National
2019	05/02	Dr. Vijo Thomas Kurian	resource person	seminar	One day seminar on 'Wetlands and climate change' held in connection with World wetland day at Bishop Moore College, Mavelikkara. Supported by KSCSTE, Govt. of Kerala	National

2021	22/ 02/	Dr. Vijo Thomas Kurian	resource person	seminar	National Webinar on "Research Methodology" (NWRM-2021), organised by Shri Muktanand College, Gangapur, Aurangabad, Maharashtra	National
2 days		Dr. Vijo Thomas Kurian	participation	conference	International conference on Socio-cultural impacts of migration: challenges and possibilities, organised by Kerala Sociological Society & Department of Sociology CMS College Kottayam	International
2019	8-11/ 03/	Dr. Vijo Thomas Kurian	participation	conference	International conference on Air pollution and monitoring (ICAM-2019) held at MG University during	International
2020	05 - 08/ 10	**Dr**. Pushpageetha S	participation	National Webinar	National Webinar Series - WILDLIFE WEEK 2020	National
2020	14- 151	**Dr**. Pushpageetha S	participation	Workshop	Workshop on Natural History Museum in India	National

2019	5- 6 11	**D**r. Pushpageetha S	participation	seminar	National seminar cum Workshop on aquaponics	National
2019	7- 8/	**D**r. Pushpageetha S	participation	Seminar	National Seminar on Life science and biodiversity : Prospects and challenges	National
2021	1/08/	Dr. Baaby Job	participation	National webinar	National webinar on "Know more about the moths' on organized by Zoological Society of Kerala	National
2020	25/09/	Dr. Baaby Job	participation	Workshop	Workshop on Insect taxonomy, IQAC and Department of Zoology, ST. Peter's College, Kolencher, Ernakulam	National
2020	06/08/	Dr. Baaby Job	participation	workshop	NPTEL E-Awareness workshop conducted along with SMT kamala and shri venkappa m agadi	National

					college of engineering and technology on	
2020.	03/08/	Dr. Baaby Job	participation	International Webinar	International Webinar on ‘Dragonflies and Damesel flies of Kerala: An Introduction’ organized by the Department of Zoology, Assumption College Autonomous, Changanacherry on Monday	International
2020.	01/08/	Dr. Baaby Job	participation	International Webinar	International Webinar on ‘Butterflies	International

					of Kerala: An Introduction ' organized by the Department of Zoology, Assumption College Autonomous, Changanacherry on Saturday,	
2020	30/07	Dr. Baaby Job	participation	International Webinar	International Webinar on 'The Fascinating World of Dung Beetles' organized by the Department of Zoology, Assumption College Autonomous, Changanach	International

					erry on Thursday	
2020	23/07	Dr. Baaby Job	participation	International Webinar	International Webinar on Metagenomic library construction and screening, Post graduate and Research Dept of Zoology and IQAC, St. Stephen's College, Pathanapuram	International
2020	05/06/	Dr. Baaby Job	participation	International Webinar	International Webinar "Below sea level farming and Integrated Water Resource Management; What	International

					Kuttanadu can learn from the Dutch?" jointly organized by the Internal Quality Assurance Cell, St. Aloysius College Edathua and Aloysian Study Centre on Kuttanadu on	
2020	21/05/	Dr. Baaby Job	participation	National Webinar	Webinar "Preparing for Online Teaching" Sacred Heart College, Ernakulam	National
2019	1 - 4/ 08	Dr. Baaby Job	participation	Seminar	Internationa l Eco Confe rence from held at CSI	International

					Synod Centre, Chennai	
2019	26-27/ 8	Dr. Baaby Job	participation	workshop	Two days workshop on clinical cytogenetics organized in collaboration with Genetika, Centre for Advanced Studies on	National
2020	05/06/	Dr. Baaby Job	participation	Symposium	One day Symposium conducted by the Department of Family and Community Science, CMS College, Kottayam	National
2018	1– 2/	Dr. Baaby Job	participation	Workshop	Workshop on molecular identification of	National

					Bacteria, jointly organised by Department of Zoology, Government College, Nattakom and School of Biosciences, MG University, Kottayam, sponsored by Directorate of Collegiate Education, Government of Kerala from	
2018.	23 - 25	Dr. Baaby Job	participation	workshop	Three day National level workshop on forensic science, organised	National

					by Post graduate and Research Department of Zoology, Government Victoria College, Palakkad, sponsored by Directorate of Collegiate Education, Government of	

9.9. Faculty Retention

9.10. Faculty Research Publications (FRP)

9.10.1. Number of research papers per teacher in the Journals notified on UGC website during the last 3 years

Formula:12/7x100=58.33

$$\frac{\text{Total number of publications in UGC notified journals in the last 3 years}}{\text{Total number of teachers who published in UGC notified journals in the last 3 years}}$$

Title of paper

Furanoid F-Acid F6 Uniquely Induces NETosis Compared to C16 and C18 Fatty Acids in Human Neutrophils.
A study to determine the efficiency ofLemna minor and Pistiastratiotesin Detergent water treatment
A study to determine the efficiency of Lemna minor and Pistia stratiotes in detergen water trestrment
Furanoic Lipid F-6/ A Novel Anti-Cancer Compound that Kills Cancer Cells by Suppressing Proliferation and Inc
Soil respiration in selected tropical land-use systems of Western Ghatsregion of Kollam district, Kerala, India.
The potential of earthworms in soil carbon storage: a review.
The first record of megascolexlawsoni from the state of kerala, India
New species of termite Pericapritermestravancorensissp.nov.(Isoptera: Termitidae:Termitinae) from India.
New species of termite Ceylonitermespaulosus sp. nov. (Blattodea: Isoptera: Termitidae: Nasutitermitinae) from K
New species of termite Pseudocapritermes kunjepu Mathew sp. nov. (Blattodea: Termitidae: Termitinae) from Inc
Two new species of an Indian endemic genus*KrishnacapritermesChhotani*(Isoptera: Termitidae)from the Kerala p

Association between rainfall and the prevalence of clinical cases of dengue in Thiruvananthapuam distr ict, India

9.10.2. Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 5 years

Formula:

$$\frac{\text{Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years}}{\text{Total number of teachers who published in the last 3 years}}$$

Title of the book/chapters published	**Title of the paper**
	Green Synthesis of Silver nanoparticles and its antimicrobial activity
	Green Synthesis of Iron nanoparticles and its anti-bacterial effects
	Green synthesis of copper nanoparticles: its antibacterial and antifungal effects.
	Toxic effect of leaf extracts on the mortality of pests in stored grains and products

Vocational Zoology	
Occupational Zoology	
Vocational Zoology	
Occupational Zoology	
Vocational Zoology	
	Impact of land-use changes on the soil carbon fractions and carbon management index of a selected soil series, in th
	Responses of soil microbial community biomass and composition following land-use changes in the southern Weste
	'Soil health status of selected land use systems in a region of Achenkovil watershed, Kollam Dis

	DNA Barcoding using mitochondrial COI gene of selected termite species

9.10.3. BiblioMetrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the paper	**Name of the author**	**Title of the journal**	**Year of publication**	**Citation Index**	**Institutional affiliation as mentioned in the publication**	**Number of citations excluding self citations**
	Dr. Sosamma Oommen			5		167
	Dr. Jobin Mathew			10		167

9.11. Faculty Intellectual Property Rights (FIPR)

9.11.1. Number of Patents published/awarded

Name of the teacher	**Name of the Patent published/awarded**	**Patent Number**	**Year of award**	**Affiliating institute at the time of publication/award**

9.12. Funded R & D projects and consultancy works

9.12.1. Major Research projects sponsored by government sources such as UGC, DST, DBT, KSCSTE, etc.

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

9.12.2. Minor Research projects sponsored by government sources such as UGC (Amount in Rupees)

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

9.12.3. Research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments (Amount in Rupees)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Funds provided	Duration of the project

9.12.4. Consultancy

Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (amount in rupees)
	Termite Identification	Department of Zoology, University of Kerala	**500**
	Termite Identification	Department of Zoology, SB College, Chenganassery	**500**
	Termite Identification	Department of Zoology, Loyola College, Chennai	**500**

Dr. Jobin Mathew	Termite Identification	Department of Zoology, Alphonsa College Pala	**1500**
	Termite Identification	Newman college Thodupuzha	**3000**
	Termite Identification	St. Mary's College Manarcadu	**1500**

9.12.5. Revenue generated from corporate training by the department during the previous year

Names of the teacher-consultants	**Title of the corporate training program**	**Agency seeking training with contact details**	**Revenue generated (amount in rupees)**	**Number of trainees**

9.13. Number of awards for innovation won by teachers

Title of the innovation	**Name of the Awardee**	**Year of award**	**Name of the Awarding Agency with contact details**

9.14. Faculty interaction with International Collaborations

Name of the faculty	Collaborating agency/ institute/ industry	Name of the agency/ institute/ industry/ organization	Type of collaboration (research/ teaching/ industrial etc.)	Country of the collaborating party	Has any MoU signed?	Validity period of the MoU (from date – to date)

9.15. Membership in Professional bodies

9.15.1. Membership in academic bodies in Universities / other colleges

Name of the teacher	Name of the academic body	University/ other college	Position held
Dr. Jobin Mathew	Society for Biotechnologist India		Member
	Zoological Society of Kerala		Member
	Board of Question Paper setter	SB college	Member
	Board of Question Paper setter	Kerala University	Member
	International Brain Research Organisation		Member
Dr. Nisha P Aravind	Zoological Society of Kerala		Member
	College Board of Studies	BCM College, Kottayam	Member
	Board of Question Paper setter	Kerala University	Member
	Board of Question Paper setter	Maharajas College, Ernakulum	Member
	Zoological Society of		Member

Mr. Vijo Thomas Kurian	Kerala		
	Board of Question Paper setter	SB college	Member
	Board of Question Paper setter	SH College Thevara	Member
	Board of Question Paper setter	Kerala University	Member
Mr. Sony Joseph	Zoological Society of Kerala		Member
Dr. Pushpageetha S	Board of Question Paper setter	Kerala University	Member
	Board of Question Paper setter	Mar Ivanious College Thiruvananthapuram	Member

9.16. Reviewer/Editors of International and national journals

Name of the teacher	**Name of the Journal, ISSN No., publisher, national/international**	**Role of the teacher (Reviewer/ Editor)**
Dr. Jobin Mathew	European Journal of Soil Biology, ISSN: 1164-5563, Elsevier, International	Reviewer
	Agricultural Science Research Journal, ISSN:2026-6073, International Research Journals, International	Reviewer
	International Journal of Zoology Research, ISSN: 2231-3516, Bioinfo Publication, International	Reviewer
	Journal of Threatenedtaxa, ISSN: 0974 – 7907, International	Reviewer
	Oriental Insects, 2157-8745, Taylor & francis, Zoo Outreach Organization	Reviewer

	International	

9.17. Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 3 years

Academic body / Administrative body / Committee	**Name of the Academic body / Administrative body / Committee**	**Specific role of the faculty**	**Duration of hours spent in the last 3 years**
	IQAC	Committee Member	
	Nature Club	Director	
	PTA	Executive Committee Member	20
	Staff Cooperative Society	Executive Committee Member	60
	IGNOU	Assistant Coordinator	60
		Total hours spent	

9.18. Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years

Formula:

Percentage = 100

$$\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$$

Name of the activity/scheme	Organizing unit/ agency/ collaborating agency	Number of teachers participated in such activities
Mushroom cultivation workshop in adopted villages Chengalam South, Kariyil and Thiruvarp on 11/02/2020 and 12/02/2020 Department of Zoology, CMS College, Kottayam in Association with Unnath Bharath Abhyan	Thiruvarp Grama Panchayathu & kudumbhasree	7

10. Academic Support Units and Teaching-Learning-Evaluation Process

10.1. Academic Support Units for academic and stress related issues

Mentoring is practiced in the department.

Student details are collected

Each teacher is assigned with 10-15 students.

Each class is assigned with a class warden

Counseling appointment provided to the needy at college level

10.1.1. Ratio of mentor to students for academic and stress related issues

- 1:15 (Mentoring)
- 1:35 (Class Warden) UG
- 1:12 (Class warden) PG

10.1.2. Department level student grievance addressing system

- Feedback is taken from the students.

- Meetings are conducted to discuss various issues
- Students have easy access to the class warden as well as the H.O.D and are further directed to Dean of Student affairs or the Principal if necessary

10.2. Teaching-Learning Process

10.2.1. Tutorial classes to address student questions

- Remedial teaching
- Peer teaching

10.2.2. Mentoring system To help at individual levels

1. Does the department assess the learning levels of the students, after admission and organizes special programs for advanced learners and slow learners? – Details.
    - Peer teaching is practiced to address the issues of slow learners
    - Every two student (slow learner) is assigned with a leader
    - Topics are assigned and the students are regularly assessed on a daily basis
    - The assessment reports are analyzed by the teachers

2. Does the department take special attention on the needs of differently abled students? – Details.
    - Department tries to ensure that the student gets financial support by looking into the various schemes available.
    - Teachers ensure that special needs of the student are catered
    - Department has identified only one student at present

10.2.3. Feedback analysis and reward/corrective measures taken, if any

Describe whether:

Structured feedback received from:

- Structured feedback was received from the students during the syllabus revision

1) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents
for design and review of syllabus – Semester wise /year wise

10.2.4. Scope for self-learning

Do student centric methods, such as experiential learning,participative learning and problem solving methodologies are used for enhancing learning experiences? – details.

- Students involve in participatory learning by conducting seminars and by involving in preparation of assignments given to them
- Applied subjects and life skills such as ornamental fish culture, waste management, apiculture, mushroom cultivation etc. is being practiced that enable participative learning
- Practical is included in the syllabus at all the semesters which provides experimental learning opportunities.

10.2.5. Generation of self-learning facilities, availability of materials for learning beyond syllabus

- E-learning facilities are available
- Students are provided with computer labs with internet facilities.
- They have access to e encyclopedias
- Seminars are conducted by the students by using PPT which allows them to do through back reference
- Mushroom cultivation, waste management, ornamental fish culture, apiculture etc. are being practiced that provides opportunities to learn beyond syllabus
- Department library is accessible to the students during the college hours
- Reading corner is established in the department

10.2.6. Career Guidance, Training, Placement, and Entrepreneurship Cell

Describe the number of capability enhancement and development schemes

1. Guidance for competitive examinations

- NET coaching

2. Career Counseling
    - Seminars conducted by alumni on topics related to career opportunities
    - Medical coding –career opportunities
    - Training on DNA extraction methodologies provided by UniBiosys
3. Soft skill development
    - At college level
4. Induction/Remedial programmes
    - At college level
5. Language lab
6. Bridge courses
7. Personal Counseling
    - Provided by Wardens and HOD

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Personal Counseling	2018		College level counselor

10.2.6.1. Indicate whether the department conducted tests at the beginning of each semester to identify weak/ potential students?

Test is conducted at the initial level of first semester to identify the weak students

10.2.6.2. Indicate how the department took extra measures to identify, address and meet the special requirements of differently abled students.

- Wardens take the responsibility to identify the differently abled students and suggest proper measures to address the issue

10.2.6.3. Average percentage of students benefited by guidance for competitive examinations and career counseling offered by the department during the last five years

Year	Name of the scheme	Number of students benefited/attended / participated by Career Counseling / competitive exams activities

10.2.6.4. Average percentage of students benefitted by Vocational Education and Training (VET) during the last five years

Year	Name of the scheme	Number of students benefited/attended / participated VET

10.2.7. Role of department in Co-curricular and Extra-curricular Activities of students

- Teachers take initiatives to identify the students
- Department encourages the students to participate in co-curricular and extra-curricular activities.
- Students participate in inter-departmental and inter-collegiate competitions and have brought laurels to the department at both levels

10.2.8. Role of department Games and Sports achievements of students

- Encourages the participation

10.2.9. Does the department have a system to check malpractices and plagiarism?

Provide upload the URL having code of ethics	Whether Departments have been provided access to plagiarism detecting software (Yes/No)	Mechanism for detecting plagiarism

11. Continuous improvements

11.1. Improvement in Success Index of Students

11.2. Improvement in Academic Performance Index of Students

	2018-19	2019-20	2020-21
Pass percentage	**UG 74%** **PG 75%**	**UG 77%** **PG 87%**	**UG 70%** **PG 40%**

11.3. Improvement in Student-Teacher Ratio

- Student teacher ratio has remained the same

11.4. Enhancement of Faculty Qualification Index

	2018-19	2019-20	2020-21
PhD	**4**	**4**	**5**

11.5. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

	2018-19	2019-20	2020-21
Publications	**2**	**5**	**5**
Minor projects			**-**
Consultancy	**3**	**10**	**2**
Extension	**4**	**2**	**0**

11.6. Continuing Education

	2013-14	2014-15	2015-16	2016-17	2017-18
FIP				Vijo Thomas Kurien	-

11.7. New Facility Created

(List the new facilities created with their anticipated impact on the teaching – learning process)

- Facilities/ Laboratory equipments added

11.8..... Overall Improvements since last accreditation, if any, otherwise, since the commencement of the programme

- Outreach activities

- Student progression

	2018-19	**2019-20**	**2020-21**
Percentage	**12**	**1**	

- Employability

	2018-19	**2019-20**	**2020-21**
Percentage	**2**	**1**	

- Eco shop
- LSRW

12. Events in Department

12.1. Seminars/Conferences/Workshops conducted(National and International)

12.1.1. Number of national seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years: Nil

Name of the seminar / workshop / symposium / conference	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants

12.1.2. Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 3 years- Nil

Name of the Summer school programme	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants

12.1.3. Number of awards for innovation won by department during the last 3 years

12.1.4.

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award	Category- department// research scholar/student
Extension Activities	Department of Zoology	Dr. M.V. Pylee Forum for Higher Education 9961509003	2020	Department

12.1.5. Academicians visited

Name and designation of the academician	Name of the Institute/ University of the	Country to which the academici	Name of the programme attended	Type of the programme	Beneficiaries of the program	Funding agency of the progra

	academician	an belong	by the academician	attended by the academician	me	mme
2018-2019						
Dr. Sam J Mathew Regional Centre for Biotechnology, Faridabad	Regional Centre for Biotechnolog, Faridabad	India	Simple task great concept to make life science teaching easier	Invited talk	Students	DBT-Star College Scheme
2019-2020						
Dr. S. Balasankar Forestry Information Burrow, Forest head office Thiruvananthapuram	Forest head office Thiruvanantapuram	India	Student Project	Invited talk	Students	DBT-Star College Scheme

12.2. MoU's and Tie-ups

12.2.1. Number of Collaborative activities for research, faculty exchange, student exchange during the last 3 years

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Source of financia	Duration	Nature of the activity

				l sup port		
1	**Sony sir**	**Tropical Institute for Ecological Sciences**	**Rhosna**			**Student Project**
	baaby		Kevin			
			Shibin			

12.2.2. Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 3 years

Title of the linkage	**Name of the partnering ins contact details**
	Advanced Centre for Enviro Development (ACESSD), M
	Advanced Centre for Enviro Development (ACESSD), M
	Advanced Centre for Enviro Development (ACESSD), M
	Advanced Centre for Enviro Development (ACESSD), M
	Advanced Centre for Enviro Development (ACESSD), M
Isolation and identification of gut bacteria from cockroach and its application in organic waste degradation	Tropical Institute of Ecologi

Isolation, identification, characterization of oil degrading bacteria from oil contaminated soil.	Tropical Institute of Ecologic
Application of microbial enzyme- amylase in biodegradation	Tropical Institute of Ecologic
A study on isolation and identification of gut bacteria from Oryctes grub and its application in organic waste degradation	Tropical Institute of Ecologic
Study on antimicrobial activity of silver nanoparticles	Tropical Institute of Ecologic
Sewage pollution in drinking water sources of Kottayam town- A bacteriological analysis	Tropical Institute of Ecologic
Isolation and identification of diesel degrading bacteria	Unibiosys

12.2.3. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 5 years (only functional MoUs with ongoing activities to be considered)

Organization with which MoU is signed	**Name of the institution/ industry/ corporate house**
Eco-science Research Foundation, Channai	**Eco-science Research Foundation, Channai**
Tropical Institute for Ecological Sciences S	**Tropical Institute for Ecological Sciences**
MG. University	**Advanced Centre for Environmental Studies and Sustainab**

12.3. Institutes, Scholarships, Endowments

12.3.1. Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government schemes) during the last 5 years

Formula:

Number of students benefited by

$$\text{Percentage} = \frac{\text{by scholarships and freeships}}{\text{Total number of students}} \times 100$$

Name of the scholarship/freeship	Number of students benefited
Students Support Scheme (Rs: 18,000)	**2**
Study Assistance (Rs: 2,000)	**1**

12.4. Fund generated by the department (minor projects, major projects, workshops, symposia, travel grant, scholarship, and if any other)

Type of fund generated	Amount (Rs.)	Name of the Faculty that attracted the fund
Extension Activities	7500	Dr. Jobin Mathew

12.5. Total number of employability training programmes conducted by the department during the last 5 years and the total number of students attended the programme

Name of the employability training programme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Bhavishya Workshop	2020	125	ToLeap training team

12.6. Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes

Name of the teacher	Name of the capacity enhancement scheme / training programme	Name of the institute attended	Duration of the scheme / programme
Dr.Jobin Mathew	FDP on Outcome Based Education	-organised by IQAC, CMS College and conducted by TLC, IIT Madras	2 Days
Dr. Nisha P Aravind	FDP on Outcome Based Education	IQAC, CMS College and conducted by TLC, IIT Madras	2 Days
	Short term course on Philosophy of Science	MG University	4 Days

	FDP on skill intensification of teachers through technological integration	Cochin University of Science & Technology	5 Days
	MOOC course on Online learning and content development	FLAIR, Kerala Directorate of Collegiate Education	14 Days
	Short Term Course	UGC-Sponsored Short term course in 'Women Empowerment' conducted by UGC HRDC Kerala University	7 Days
	Short Term Course	Philosophy of Science Kerala State Higher Education Council	5 Days
	refresher course	UGC sponsored online refresher course in Environmental Sciences (Interdisciplinary) conducted by UGC-HRDC University of Kerala	14 Days
	FDP on E content development and MOOCs	IQAC CMS College Kottayam and Bharathidasan University	7 Days
	FDP on "Implementation of information and communication technology in teaching"	school of legal studies Cochin University of science and technology in collaboration with Kerala state higher education council	7 Days
	Workshop for College teachers	IQAC, MG University	5 Days
	Refresher Course	HRDC, University of Hyderabad	14 Day
	FDP	IQAC, CMS College & TLC, IIT Madras	2 Day
	Short term course	UGC- STRIDE, MGU	5 Day
	Refresher Course	Ministry of Education & Bishop Moore College, Mavelikkara & St. John's College, Agra	14 Day

Dr.Pushpa geetha S	FDP on Outcome Based Education	-organised by IQAC, CMS College and conducted by TLC, IIT Madras	2 Days
Dr.Baaby Job	FDP on Outcome Based Education	-organised by IQAC, CMS College and conducted by TLC, IIT Madras	2 Days
Mr. Sony Joseph	Refresher Course	Guru Angad Dev Teaching Learning Centre & Bishop Moore College Mavelikara	14 Day
	FDP on Outcome Based Education	-organised by IQAC, CMS College and conducted by TLC, IIT Madras	2 Days
	Refresher Course	Teaching Learning Centre, Ramanujan College University of Delhi & CMS College, Kottayam	14 Day
	Short Term Course	All Kerala Private College Teachers Association	7 Day
	Faculty Development Programme	IIT Madras	2 Day
Dr. Jobin Matew	Short term Course	UGC-HRDC, Kerala University	7Day
	Short term Course	UGC-HRDC, Kerala University	7Day
	Short term Course	UGC-HRDC, Kerala University	7Day
	Short term Course	UGC-MHRD-STRIED	7Day
	Short term Course	The Kerala State Higher Education Council	5Day
	Short term Course	Bharathidasan University Tiruchirappalli	7Day
Dr. Baaby Job		Teaching Learning Centre, Ramanujan College, University of Delhi	14 Day
	Refresher Course	UGC-HRDC, Kannur University	14 Day

12.7. Details of extension activities of regular nature organized by the department *

Name of the extension activity	**Nature of extension activity**	**Duration**	**Involvement of Percentage of students in the**

			department
Training in Mushroom cultivation	Training to local peoples and students of the college in Mushroom cultivation	Frequent raining for the duration of one day	25
Training in Melipona rearing	Training to local peoples and students of the college in melipona rearing	Continuous training for one week	50
Waste management and pipe composting	Training to local peoples and students of the college, setting up of pipe compost unit in the houses of local peoples	One year	50

*Related to the area of knowledge of the department

12.8. Details of activities organized by the department to promote universal values*

Name of the activity	**Within the campus/ outreach**	**Duration**	**Involvement of Percentage of students in the department**
Environment day celebration	Within the campus	06.06.2018	120
Museum visit	outreach	03/08/2018	40
Ozone Day Celebration	Within the campus	16/09/2020	100
Museum visit	outreach	14/2/2019	80
Museum visit	outreach	6/10/2018	65
Museum visit	outreach	3/12/2019	15
Museum visit	outreach	28/02/2020	53
Nature Camp of II DC students at			

Vellikulangara forest range, Chalakkudy	Within the campus	10/01/2019 to 12/01/2019	42
One day institutional visit to CMFRI and Mangalavanam for I DC students	Within the campus	08.02.2019	40
EcoShop organised by the department of Zoology and Eco life club	Within the campus	21/2/2019	200
One day institutional visit to Malanadu Development Society for III DC	Within the campus	26.02.2019	36
Aqua Shop Exhibition and Sale	Within the campus	28/02/2019	135
Aqua-shop Exhibition and sale of Ornamental fishes for sustainable development	Within the campus	12/02/2020	154
Nature camp for II DC Zoology at Parambikulam forest division	Within the campus	18.02.2020 to 20.01.2020	41

12.9. Total number of cultural activities/ competitions organized by the department during the last 3 years

Sl. No.	**Name of the activity**	**Interdepartmental / intercollegiate**	**Total number of students involved**
1	Birds Quiz on 12.11.2018 In commemoration of Salim Ali Birth	Interdepartmental	30
2	Quiz competition on General Knowledge	Interdepartmental	20
3	quiz competition on Hiroshima Day	Interdepartmental	13
4	Talk on Polar		

	Expedition and Enviromental Research by Dr. Mahesh Mohan on 08.08.2018	Interdepartmental	59
5	Career guidance class on Medical Coding on 14/08/2018	Interdepartmental	100
6	Invited talk on Elephants by Mr. Jesan T Das on 5th October 2018	Interdepartmental	60
7	Zoofest, organized along with ZSK on 07.10.2018	Intercollegiate	46
8	Zoofest 'MULGARA' 2019 organised by department of zoology on 5th January 2019 Talk and discussion on 'Global Warming and climae change, its impact on our daily life' by Dr Madhusoodhanan CG on 05.01.2019	Intercollegiate	60
9	Talk on Wetlands and Climate Change on 04/02/2019	Interdepartmental	50
10	Bioquiz on Wetlands on 06/02/2019	Interdepartmental	12
11	Talk and discussion on 'Opportunities in Life Sciences: Experiences from an		

	amateur Zoologist by Mebin George Varghese on 07/02/2019	Interdepartmental	68
12	Talk on 'Scientific Temper' by Sanju C Sunny II MSc Zoology on 13/2/2019	Interdepartmental	54
13	Association day on 23/2/2019	Interdepartmental	135
14	Workshop on personality and Skill assessment by Dr Jipson Varghese on 27.02.2019	Interdepartmental	98
15	Careers and Prospects in Zoology by Dr. Jose D Kaippallil on 06.03.2019	Interdepartmental	48
16	Talk and discussion on 'Model Systems to study development regeneration and diseases on 19.03.2019	Interdepartmental	73
17	Intellectual properties Rights of the Animal World' by Mrs. Neethi Chacko on 22.03.2019	Interdepartmental	67
18	Talk on Higher studies in abroad by Mebin George	Interdepartmental	47

	Varghese 2nd September 2019		
19	World Nature Conservation Day and	Interdepartmental	45
20	International Tiger Day on 29/07/2019	Interdepartmental	86
21	Zoology Association Inauguration and Magazine release on 19.07.2019 by Balashankar	Interdepartmental	137
22	Talk on Higher Education in Central Universities by Ajith M B on 11/07/2019	Interdepartmental	61
23	Workshop on Eco friendly measures for environmental Conservation and sustainable development conducted in association with Haritha Kerala Mission, Govt. of Kerala and Dept. of Zoology, CMS College, Kottyam on 7/01/2020	Interdepartmental	57
24	A talk on Pigeon farming by Vivek Lal A, II DC Zoology on 09.01,2020	Interdepartmental	84

25	Zoology association inauguration 14th September 2020 Chief guest Film Director Jayaraj	Interdepartmental	
25	Invited Talk Importance of conservation biology with special reference to Lakshadweep Archipelago Webinar by Al Badush 20 11 2020	Interdepartmental	37
	Talk on 'Welcome to Nano world' By Ajith MP 26/10/2020	Interdepartmental	32
	Life Science Challenges and opportunities National Webinar Dr Jasmine P Scientist E ZSI Kolkata 10.11.2020	Interdepartmental	43
	Invited Talk An introduction to Sea Birds by Nisanth HP on 10.03 2021under	Interdepartmental	35
	Invited Talk An introduction to Spider taxonomy by Dr Pradeep M S 15.03 2021	Interdepartmental	52
	Association Day		

	Aleeta 2021 18th May 2021	Interdepartmental	137

12.10. Alumni contribution during the last 5 years (Amount in Rupees)

Name of the alumnus/ alumni association	AADHAR / PAN	Year of graduation	Year of contribution	Quantum of contribution (Rs.)
Zoology Alumni		**1972**	**2018 - 2019**	**20,000**

13. SWOT Analysis

13.1. Identify Strength, Weakness, Opportunities and Threats of the Department

Sl.No	Item	Points
1	Strengths	1. Department has an excellent reputation; Among the seven permanent faculty members, six have doctoral degree with diverse specializations.
		13. Department signed MOU with Kuwait University, Eco-science Research Foundation, Chennai, Tropical Institute for Ecological Sciences and MG. University so students and faculties can collaborate with these institutes for research and study purpose
		14. The faculty members have several national and international publications.
		15. Students get opportunities to attend summer research fellowship programme in reputed institutions like IISc. Bangalore
		16. The college campus is rich in flora and fauna; hence biodiversity studies on birds, dragonflies, butterflies, ants and spiders can be carried out effectively.
		17. Practical training extended to students, in Apiculture (stingless bee culture), vermiculture, and aquarium management inculcate 'earn while learn' culture among students
		7. The department is well connected with and very well supported by its retired faculty
2	Weaknesses	1. Some of the students are from poor socio-economic background and they are compelled to go for part-time jobs which affect their overall performance.

		2. Delay in filling of sanctioned faculty vacancies, due to government formalities
		3. Inadequate laboratory facility for carrying out advanced level research activities, at molecular level
3	Opportunities	1. Many faculty with expertise in taxonomy, especially the taxonomy of dragonflies, spiders, millipedes, birds *etc*. can train students in biodiversity studies
		2. Orientation programs for school students to develop research attitude
		3. Department has consultancy potential in taxonomy apiculture and vermiculture
		4. Inter disciplinary programs can be organised
		5. Awareness program for public in solid waste management
4.	Threats	1. Students admitted to Zoology program with low marks, demands more time and attention to raise their standard
		2. To make the course more attractive and job oriented
		3. It is difficult to modify our lab to cope up with the new changes in the practical syllabus , unless sufficient financial support is available

13.2. Good practices, if any

- Activities to promote universal values
- Complete transparency in its financial, academic, administrative and auxiliary functions
- Remedial teaching

- Activities to increase the quality of teaching methodology
- Students get chance to go for internship in reputed institutes like IISc
- Regular nature camps in forest in collaboration with Kerala forest department to promote nature awareness

- Gender equity promotion programs
- Gender sensitivity in providing facilities such as:
  - Safety and Security
  - Counseling
  - Common room
- Green practices: (Green Audit)
  - Transportation: Bicycles
  - Plastic free department
  - Paperless department
  - Green landscaping
- Initiatives that contribute to local community
- Code of Conduct Handbook/Display of core values/Duties &Rights of citizens
- Activities to increase consciousness about national identities and symbols
- Course on human values and professional ethics
- Departmental functioning is as per professional code
- Activities to promote universal values
- Complete transparency in its financial, academic, administrative and auxiliary functions
- Remedial teaching
- Activities to increase the quality of teaching methodology
- Any other relevant best practices

DSAR SCORE CARD ZOOLOGY

CMS College Kottayam
Department Accreditation Score Card
Department of Zoology

Quantitative Matrices:

7. Programme curriculum

Metric No.			Weight	Cumulative Weight (Scored)	cumulative weight (Maximum)
7.5.1	Percentage of programs where syllabus revision was carried out during the last 3 years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt				20

	$\frac{\text{Number of courses revised}}{\text{Total number of courses in the programme}} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21 PG: 1. 2018-19 2. 2019-20 3. 2020-21	$(0/34) \times 100 = 0$ $(0/34) \times 100 = 0$ $(0/34) \times 100 = 0$ $(0/24) \times 100 = 0$ $(0/24) \times 100 = 0$ $(0/24) \times 100 = 0$	0 0 0 0 0 0		
	Average weight scored ***Documentary evidences:*** *1. List of courses revised* *2. Copy of approved curriculum* 3. *Minutes of the Board of Studies (2016 onwards)*		0	0	20
7.8	Average percentage of theory courses offered having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of courses offered with above focus}}{\text{Total number of courses in the programme}} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21 PG: 1. 2018-19 2. 2019-20 3. 2020-21	$(1/34) \times 100 = 2.9$ $(1/34) \times 100 = 2.9$ $(1/34) \times 100 = 2.9$ $(1/24) \times 100 = 4.16$ $(1/24) \times 100 = 4.16$ $(1/24) \times 100 = 4.16$	4 4 4 4 4 4		10
	Average weight scored		24	$(24/6) = 4$	10

	Documentary evidences: 1. *List of courses with the above focus* 2. *Copy of approved curriculum* 3. *Minutes of the Board of Studies (2016 onwards)*				
7.9	New courses introduced: Add-on,/extra credit, Certificate/Diploma etc.for the period 2014-17: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of new courses introduced}}{\text{Total number of courses}} \times 100$ UG: 4. 2018-19 5. 2019-20 6. 2020-21 PG: 4. 2018-19 5. 2019-20 6. 2020-21	$(0/34) \times 100 = 0.0$ $(0/34) \times 100 = 0.0$ $(0/34) \times 100 = 0.0$ $(0/24) \times 100 = 0.00$ $(0/24) \times 100 = 0.00$ $(0/24) \times 100 = 0.00$	0 0 0 0 0 0		10
	Average weight scored ***Documentary evidences:*** 1. *Copy of approved curriculum* 2. *Minutes of the Board of Studies (2016 onwards)*		0	$(0/6) = 0$	10
7.11	Average percentage of students enrolled in those courses during the years: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students enrolled in the course}}{\text{Total number of students in the dept}} \times 100$	$(65/347) \times 100 = 18$ $(65/347) \times 100 = 18$	5		20

	UG: 1. 2018-19 2. 2019-20 3. 2020-21 PG: 1. 2018-19 2. 2019-20 3. 2020-21	$(65/347) \times 100 = 18$ $(0/10) \times 100 = 0.00$ $(0/11) \times 100 = 0.00$ $(0/7) \times 100 = 0.00$	5 5 0 0 0		
	Average weight scored ***Documentary evidences:*** *1. Brochure* *2. Copy of approved curriculum* *3. Minutes of the Board of Studies (2016 onwards)* *4. MoU, if any*		(15/6) = 2.5	2.5	20
7.12	Average percentage of courses (theory/practical) offered as part of the UG/PG programme having focus on employability / entrepreneurship / skill development: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses with above focus}}{\text{Total number of courses in the programme}} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21 PG: 1. 2018-19 2. 2019-20 3. 2020-21	$(1/34) \times 100 = 0.0$ $(1/34) \times 100 = 0.0$ $(1/34) \times 100 = 0.0$ $(0/24) \times 100 = 0.00$ $(0/24) \times 100 = 0.00$ $(0/24) \times 100 = 0.00$	5 5 5 5 5 5		20
	Average weight scored		(30/6) = 5	5	20

	Documentary evidences: *1. Copy of approved curriculum* *2. Minutes of the Board of Studies (2016 onwards)* *3. MoUs with relevant organizations*				
7.13	Percentage of students undertaking field projects/internships during the years: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\%\ \text{of students} = \frac{\text{Number of students undertaking field projects or internships}}{\text{Total number of students}} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21 PG: 1. 2018-19 2. 2019-20 3. 2020-21	$(17/347) \times 100 = 4.8$ $(17/347) \times 100 = 4.8$ $(17/347) \times 100 = 4.8$ $(2/27) \times 100 = 7.4$ $(2/27) \times 100 = 7.4$ $(2/27) \times 100 = 7.4$	4 4 4 4 4 4		10
	Average weight scored ***Documentary evidences:*** *1. MoUs with relevant organizations* *2. Copy of student internship certificates/ reports* *3. Correspondence with relevant organizations*		$(24/6) = 4$	4	10
		Total	-	15.5	**90**

8. Result and Student Performance

Metric. No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
8.1	Success Rate of courses in UG and PG programmes Weightage distribution: 90% - 100% : 70 wt 80% - 89% : 63 wt 70% - 79% : 56 wt 60% - 69% : 49 wt 50% - 59% : 42 wt 40% - 49% : 35 wt 30% - 39% : 28 wt 20% - 29% : 21 wt 10% - 19% : 14 wt 1% - 9% : 7 wt <1% : 0 wt $\frac{\text{No. of students who passed the course examination in a year}}{\text{No. of students appeared for the course examination in a year}} \times 100$				70
	2018-19: **UG Programme (Courses offered)**				
	1. Research methodology Biophysics and Biostatistics-ZY1714204	$(32/39) \times 100 = 82.05$	63		
	2. Animal diversity chordate ,Research methodology, biophysics and Biostatistics -ZY1714602	$(34/39) \times 100 = 87.17$	63		
	3. Animal Diversity chordate-ZY171303	$(35/40) \times 100 = 87.5$	63		
	4. Animal diversity non chordate-ZY181202	$(34/40) \times 100 = 80.95$	63		
	5. Core zoology practical-ZY1812601	$(40/42) \times 100 = 95.23$	70		
	6. General Perspectives in science and protistan diversity- ZY1711101	$(12/8) \times 100 = 66.6$	49		
	7. Cell biology and molecular biology -	$(31/37) \times 100 = 83.78$	63		
		$(33/37) \times 100 = 89.19$	63		

	ZY15117				
	8. Environmental biology Toxicology and Disaster management-ZY15119	$(31/37) \times 100 = 83.78$	63		
	9. Evolution Zoogeography and Ethology- ZY15121	$(31/37) \times 100 = 83.78$	63		
	10. Biochemistry Human physiology and Endocrinology-ZY15123	$(28/37) \times 100 = 75.68$	56		
	11. Reproductive and developmental biology-ZY16126	$(28/37) \times 100 = 75.68$	56		
	12. Genetics and biotechnology-ZY16128	$(29/37) \times 100 = 78.38$	56		
	13. Microbiology and immunology-ZY16130	$(31/37) \times 100 = 83.78$	63		
	14. General informatics bioinformatics and biostatistics-ZY16132	$(32/37) \times 100 = 86.49$	63		
	15. Economic zoology-ZY16334	$(37/37) \times 100 = 100$	70		
	16. Biochemistry human physiology and endocrinology Reproductive and developmental biology (P)-ZY16127	$(37/37) \times 100 = 100$	70		
	17. Environmental biology Toxicology and disaster management Evolution Zoogeography and Ethology (P)-ZY16129	$(37/37) \times 100 = 100$	70		
	18. Cell biology Molecular biology Genetics and Biotechnology (P)-ZY16133	$(37/37) \times 100 = 100$	70		
	19. Immunology General informatics Bioinformatics and Biostatistics (P)-ZY16133	$(10/11) \times 100 = 90.9$	70		
	20. Project and Viva- ZY16135	$(10/11) \times 100 = 90.9$	70		
	PG Programme (Courses offered)	$(11/11) \times 100 = 100$	70		

	1. Biosystematics and animal diversity- ZY21101	$(10/11) \times 100 = 90.9$	70		
	2. Evolutionary Biology and Ethology- ZY21102	$(11/11) \times 100 = 100$	70		
	3. Biochemistry- ZY21103				
	4. Biostatistics, computer application and research methodology- ZY21104				
	5. Biosystematics and animal diversity, Evolutionary Biology and Ethology, Biochemistry, Biostatistics, computer application and research methodology- ZY21105Practical	$(11/11) \times 100 = 100$ $(11/11) \times 100 = 100$ $(10/11) \times 100 = 90.9$	70 70 70		
	6. Ecology- principles and practices- ZY22106	$(11/11) \times 100 = 100$	70		
	7. Genetics and bioinformatics- ZY22107	$(11/11) \times 100 = 100$	70		
	8. Developmental Biology- ZY22108				
	9. Biophysics, instrumentation and biological techniques- ZY22109	$(11/12) \times 100 = 91.7$	70		
	10. Ecology, Genetics and bioinformatics, Developmental Biology, Biophysics and instrumentationPractical- ZY22110	$(12/12) \times 100 = 100$ $(11/12) \times 100 = 91.7$	70		
	11. Animal Physiology- ZY23111		70		
	12. Cell and molecular biology- ZY23112	$(12/12) \times 100 = 100$	70		
	13. Microbiology and biotechnology- ZY23113	$(12/12) \times 100 = 100$	70		
	14. Immunology- ZY23114	$(12/12) \times 100 = 100$	70		
	15. Cell and Molecular Biology, Microbiology and Biotechnology				

	Practical- ZY23115	$(11/12) \times 100 = 91.7$	70		
	16. Animal Physiology Practical- ZY23116	$(11/12) \times 100 = 91.7$	70		
	17. Entomology: morphology and taxonomy- ZY24317	$(12/12) \times 100 = 100$	70		
	18. Entomology: Anatomy and physiology- ZY24318	$(12/12) \times 100 = 100$	70		
	19. Applied Entomology- ZY24319	$(12/12) \times 100 = 100$	70		
	20. Morphology, Anatomy and taxonomy Practical- ZY24320	$(12/12) \times 100 = 100$	70		
	21. Insect physiology and Applied Entomology Practical- ZY24321	$(12/12) \times 100 = 100$	70		
	22. Project- ZY24122				
	23. ZY24123 Viva-voce	$(36/38) \times 100 = 94.74$	70		
	2019-20 :	$(30/38) \times 100 = 78.95$	56		
	UG Programme (Courses offered)				
	1. Environmental biology and human rights - ZY1715105	$(35/38) \times 100 = 92.11$	70		
	2. Cell biology and genetics - ZY1715106	$(35/38) \times 100 = 92.11$	70		
	3. Evolution ethology and zoogeography- ZY1715107	$(3/6 \times 100) = 50.0$	42		
	4. Human physiology Biochemistry and endocrinology- ZY1715108	$(1/1 \times 100) = 100$	70		
	5. Cell biology and genetics -	$(4/6 \times 100) = 60.66$	49		

	ZY1715106 6. Evolution ethology and zoogeography- ZY1715107 7. Human physiology Biochemistry and endocrinology- ZY1715108 8. General perspectives in science and Protistan diversity- ZY1811101 9. General perspectives in science and Protistan diversity- ZY1811101 10. Reproductive and developmental biology-ZY16126 11. Genetics and biotechnology-ZY16128 12. Microbiology and immunology-ZY16130 13. General informatics bioinformatics and biostatistics -ZY16132 14. Developmental biology-ZY1716109 15. Microbiology and immunology-ZY1716110 16. Biotechnology Bioinformatics and molecular biology-ZY1716111 17. Occupational Zoology - ZY1716112 18. Agricultural pest management-ZY1716301 19. Environmental biology toxicology and genetics(P)-ZY1716603 20. Evolution ethology zoogeography human physiology Biochemistry and endocrinology (P)-ZY1716604 21. Developmental biology Microbiology	$(34/39) \times 100 = 87.18$ $(9/11) \times 100 = 81.82$ $(1/3) \times 100 = 33.33$ $(0/3) \times 100 = 0.0$ $(0/1) \times 100 = 0.0$ $(1/1) \times 100 = 100$ $(33/37) \times 100 = 89.18$ $(27/37) \times 100 = 78.37$ $(29/37) \times 100 = 78.37$ $(34/37) \times 100 = 91.89$ $(31/37) \times 100 = 83.78$ $(36/37) \times 100 = 97.29$ $(36/37) \times 100 = 97.29$ $(36/37) \times 100 = 97.29$ $(36/37) \times 100 = 97.29$	63 63 28 0 0 70 63 56 56 70 63 70 70 70 70		

	and Immunology (P)-ZY1716605	$(36/37) \times 100 = 97.29$	70		
	22. Biotechnology Bioinformatics Molecular biology and occupational zoology (P)-ZY1716606	$(39/39) \times 100 = 100$	70		
	23. Project work- ZY1716801	$(36/39) \times 100 = 92.3$	70		
	24. Animal Diversity chordate-ZY1813103	$(36/39) \times 100 = 92.3$	70		
	25. Research methodology Biophysics and Biostatistics- ZY1814104	$(27/32) \times 100 = 84.3$	63		
	26. Animal diversity chordate Research methodology Biophysics and Biostatistics (P)- ZY1814602	$(0/0) \times 100 = 0$ $(0/0) \times 100 = 0.0$ $(29/30) \times 100 = 96.6$	0 0		
	27. Non chordate diversity-ZY1811201 (Biotechnology)	$(29/30) \times 100 = 96.6$	70		
	28. Non chordate diversity-ZY1811201 (Botany)	$(29/35) \times 100 = 82.85$	70		
	29. Non chordate diversity- ZY1811201		63		
	30. Chordate diversity-ZY1812202 (Biotechnology)	$(35/35) \times 100 = 100$	70		
	31. Non chordate diversity and chordate diversity (P) -ZY1812701 (Biotechnology)	$(0/0) \times 100 = 0.0$			
	32. Chordate diversity- ZY1812202 (Botany)	$(0/0) \times 100 = 0.0$	0		
	33. Non chordate diversity and chordate diversity (P)- ZY1812701 (Botany)	$(32/43) \times 100 = 74.41$	0		
	34. Chordate diversity- ZY1812202 (FACS)	$(28/29) \times 100 = 96.55$	56		
	35. Non chordate diversity and chordate diversity (P)- ZY1812701	$(15/22) \times 100 = 68.18$	70		

	(FACS) 36. Animal Physiology and immunology-ZY1813203(Botany) 37. Animal Physiology and immunology-ZY1813203(Biotechnology) 38. Animal Physiology and immunology-ZY1813203(FACS) 39. Applied Zoology -ZY1814204 (Botany) 40. Physiology and Immnunology Applied Zoology-ZY1814702 (P)(Botany) 41. Applied Zoology- ZY1814204 (Biotechnology) 42. Physiology and Immnunology Applied Zoology-ZY1814702 (P)(Biotechnology) 43. Applied Zoology- ZY1814204(FACS) 44. Physiology and Immnunology Applied Zoology-ZY1814702 (P)(FACS) **PG Programme (Courses offered)** 1. Biosystematics and animal diversity-ZY1921101 2. Evolutionary Biology and Ethology-ZY1921102 3. Biochemistry- ZY1922108 4. Biostatistics, computer application and research methodology- ZY1921104 5. Biosystematics and animal diversity, Evolutionary Biology and Ethology, Biochemistry, Biostatistics, computer application and research methodology-ZY1921601 Practical	$(35/41) \times 100 = 85.36$ $(39/41) \times 100 = 95.12$ $(28/29) \times 100 = 96.55$ $(29/29) \times 100 = 100$ $(21/22) \times 100 = 95.45$ $(22/22) \times 100 = 100$ $(8/8) \times 100 = 100$ $(8/8) \times 100 = 100$ $(0/0) \times 100 = 0.0$ $(8/8) \times 100 = 100$ $(8/8) \times 100 = 100$ $(0/0) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$	49 63 70 70 70 70 70 70 70 0 70 70 0 0		

	6. Ecology- principles and practices- ZY1922105 7. Genetics and bioinformatics- ZY1922106 8. Developmental Biology- ZY1922107 9. Biophysics, instrumentation and biological techniques- ZY1921103 10. Ecology, Genetics and bioinformatics, Developmental Biology, Biophysics and instrumentationPractical- ZY1921602 11. Animal Physiology- ZY23111 12. Cell and molecular biology- ZY23112 13. Microbiology and biotechnology- ZY23113 14. Immunology- ZY23114 15. Cell and Molecular Biology, Microbiology and Biotechnology Practical- ZY23115 16. Animal Physiology Practical- ZY23116 17. Entomology: morphology and taxonomy- ZY24317 18. Entomology: Anatomy and physiology- ZY24318 19. Applied Entomology- ZY24319	$(8/8) \times 100 = 100$ $(0/0) \times 100 = 0.0$ $(0/11) \times 100 = 0.0$ $(0/11) \times 100 = 0.0$ $(0/11) \times 100 = 0.0$ $(0/11) \times 100 = 0.0$ $(0/11) \times 100 = 0.0$ $(0/11) \times 100 = 0.0$ $(11/11) \times 100 = 0.0$ $(11/11) \times 100 = 0.0$ $(11/11) \times 100 = 0.0$ $(11/11) \times 100 = 0.0$ $(11/11) \times 100 = 0.0$	0 70 0 0 0 0 0 0 0 0 0 0 0 0 0		

	20. Morphology, Anatomy and taxonomy Practical- ZY24320	$(11/11) \times 100 = 0.0$	0		
	21. Insect physiology and Applied Entomology Practical- ZY24321	$(11/11) \times 100 = 0.0$	0		
	22. Project- ZY24122				
	23. ZY24123 Viva-voce	$(38/39) \times 100 = 97.43$	70		
	2020-21:	$(34/39) \times 100 = 87.17$	63		
	UG Programme (Courses offered)	$(36/39) \times 100 = 92.3$	0		
	1. Environmental biology and Human rights-ZY1815105	$(37/39) \times 100 = 94.87$	70		
	2. Cell biology and genetics-ZY1815106	$(35./38) \times 100 = 89.74$	63		
	3. Evolution Ethology and Zoogeography-ZY1815107	$(35/39) \times 100 = 89.74$	63		
	4. Developmental biology and Endocrinology- ZY1816109	$(37/39) \times 100 = 94.87$	70		
	5. Microbiology and Immunology-ZY1816110	$(35/39) \times 100 = 89.74$	70		
	6. Biotechnology Bioinformatics and Molecular Biology-ZY1816111	$(39/39) \times 100 = 100$	70		
	7. Occupational zoology -ZY1816112	$(39/39) \times 100 = 100$	70		
	8. Agricultural pest management-ZY1816301	$(39/39) \times 100 = 100$			
	9. Environmental biology and Human rights and Cell biology and Genetics (P)- ZY1816603	$(38/39) \times 100 = 97.43$	70		
	10. Evolution Ethology and				

	Zoogeography Human physiology Biochemistry (P)- ZY1816604	$(39/39) \times 100 = 100$	70		
	11. Developmental biology Endocrinology Microbiology and Immunology (P)- ZY1816605		70		
	12. Biotechnology Bioinformatics Molecular biology and Occupational Zoology (P)- ZY1816606	$(0/0) \times 100 = 0$			
	13. Project work- ZY1816801	$(0/0) \times 100 = 0$	0		
		$(0/0) \times 100 = 0$	0		
	PG Programme (Courses offered)	$(0/0) \times 100 = 0$	0		
	1. Biosystematics and animal diversity- ZY1921101	$(0/0) \times 100 = 0$	0		
	2. Evolutionary Biology and Ethology- ZY1921102		0		
	3. Biochemistry- ZY1922108				
	4. Biostatistics, computer application and research methodology- ZY1921104	$(0/0) \times 100 = 0$			
	5. Biosystematics and animal diversity, Evolutionary Biology and Ethology, Biochemistry, Biostatistics, computer application and research methodology- ZY1921601 Practical	$(0/0) \times 100 = 0$	0		
		$(0/0) \times 100 = 0$	0		
		$(0/0) \times 100 = 0$	0		
	6. Ecology- principles and practices- ZY1922105	$(0/0) \times 100 = 0$	0		
	7. Genetics and bioinformatics- ZY1922106		0		
	8. Developmental Biology- ZY1922107	$(7/7) \times 100 = 100$			
	9. Biophysics, instrumentation and biological techniques- ZY1921103	$(7/7) \times 100 = 100$	70		
	10. Ecology, Genetics and bioinformatics,		70		

	Developmental Biology, Biophysics and instrumentationPractical- ZY1921602	$(7/7) \times 100 = 100$	70		
	11. Animal Physiology- ZY1923109	$(7/7) \times 100 = 100$	70		
	12. Cell and molecular biology- ZY1923110	$(7/7) \times 100 = 100$	70		
	13. Microbiology and biotechnology- ZY1923111	$(0/0) \times 100 = 0$	0		
	14. Immunology- ZY1923112	$(0/0) \times 100 = 0$	0		
	15. Cell and Molecular Biology, Microbiology and Biotechnology Practical- ZY1923603	$(0/0) \times 100 = 0$	0		
	16. Animal Physiology and immunology Practical- ZY1924604	$(0/0) \times 100 = 0$	0		
	17. Entomology: morphology and taxonomy- ZY1924301	$(0/0) \times 100 = 0$	0		
	18. Entomology: Anatomy and physiology- ZY1924302	$(0/0) \times 100 = 0$	0		
	19. Applied Entomology- ZY1924303	$(0/0) \times 100 = 0$	0		
	20. Vector and Vector Borne disease- ZY1924304	$(0/0) \times 100 = 0$	0		
	21. Morphology, Anatomy and taxonomy Practical- ZY1924701	$(0/0) \times 100 = 0$	0		
	22. Insect physiology and Applied				

	Entomology Practical- ZY1924702 23. Project- ZY1924801 24. Viva-voce – ZY1924901				
	Average weight scored ***Documentary evidences:*** *1. Semester wise result records from COE*		$(\frac{6839}{147})$ = 46.52	46.52	70
8.2	Percentage of students qualifying state/ national/ international level examinations for the last 5 years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/ State government examinations/ other examination) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students appeared for the exam}} \times 100$ UG: 4. 2018-19 5. 2019-20 6. 2020-21 PG: 1. 2018-19 2. 2019-20 3. 2020-21	

	Average weight scored ***Documentary evidences:*** 1. *Year wise list of students qualifying each examination*		(15/6) = 2.5	2.5	20
8.3.1 & 8.3.3	Average % of placement of outgoing students during last 3 years (Weightage distribution: 75% - 100% : 40 wt 50% - 74% : 30 wt 25% - 49% : 20 wt 1% - 24% : 10 wt $\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$ **UG:** 1. 2018-19 outgoing batch (till now) 2. 2019-20 outgoing batch (till now) 3. 2020-21 outgoing batch (till now) **PG:** 1. 2018-19 outgoing batch (till now) 2. 2019-20 outgoing batch (till now) 3. 2020-21 outgoing batch (till now)	$(5/347) \times 100 = 1.4$ $(5/347) \times 100 = 1.4$ $(5/347) \times 100 = 1.4$ $(1/27) \times 100 = 3$ $(1/27) \times 100 = 3$ $(1/27) \times 100 = 3$	10 10 10 10 10 10		40
	Average weight scored ***Documentary evidences:*** *Annual Report of Placement Cell*		(60/6) = 10	10.0	40
8.3.2 & 8.3.4	% of outgoing student progression to higher studies during last 3 years Weightage distribution: 75% - 100% : 30 wt 50% - 74% : 20 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of outgoing students progressing to higher education}}{\text{Total number of final year students in the programme}} \times 100$		5		

	UG: 1. 2018-19 outgoing batch (till now) 2. 2019-20 outgoing batch (till now) 3. 2020-21 outgoing batch (till now) **PG:** 1. 2018-19 outgoing batch (till now) 2. 2019-20 outgoing batch (till now) 3. 2020-21 outgoing batch (till now)	$(10/347) \times 100 = 2.8$ $(10/347) \times 100 = 2.8$ $(10/347) \times 100 = 2.8$ $(1/27) \times 100 = 3$ $(1/27) \times 100 = 3$ $(1/27) \times 100 = 3$	5 5 5 5 5		
	Average weight scored ***Documentary evidences:*** *Alumni data base (batch wise file of data containing student name, programme, year of study, contact details with email and phone number, present status (employment/higher studies).*		$(30/6) = 5$	5	30
8.4.1	Number of students participated in sports at state/national/ international level during the last 3 years 1. International : 10 wt per student 2. National: 5 wt per student *3.* State : 3 wt per student	$10 \times 0 = 0$ $5 \times 0 = 0$ $3 \times 2 = 6$	6		20
	Documentary evidences: *Participation certificates*		6	6	20
8.4.2	Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years 1. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 2. Intramural (1^{st} and 2^{nd} prices) : 5 wt per student	$10 \times 1 = 20$ $5 \times 0 = 0$	20		20
	Documentary evidences: *Award certificates*		20	20	20
8.4.3	Number of students participated in cultural events at intercollegiate / University /				

	state/ national / international level during the last 5 years 1. International : 10 wt per student 2. National : 5 wt per student 3. State : 3 wt per student	$10 \times 0 = 0$ $5 \times 0 = 0$ $3 \times 7 = 21$	21		20
	Documentary evidences: *Participation certificates*		21	20	20
8.4.4	Number of awards/ medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years 1. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 2. Intramural 1^{st} and 2^{nd} prices) : 5 wt per student	$10 \times 30 = 300$ $5 \times 0 = 20$	300		20
	Documentary evidences: *Award certificates*		300	20	20
8.4.5	Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(0/131) \times 100 = 0.0$ $(39/132) \times 100 = 29.5$ $(0/129) \times 100 = 0.0$	0 10 0		20
	Average weight scored ***Documentary evidences:*** *1. Letter from the agency/Any other*		10	$(10/3) = 3.3$	20

<table>
<tr><td></td><td>documents relating to the activity</td><td></td><td></td><td></td><td></td></tr>
<tr><td>8.4.6</td><td>Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3 years
Weightage distribution:
75% - 100% : 10 wt
50% - 74% : 8 wt
25% - 49% : 6 wt

1% - 24% : 4 wt

$\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$

1. 2018-19
2. 2019-20
3. 2020-21</td><td>$(67/131) \times 100 = 51.14$
$(47/132) \times 100 = 35.6$
$(60/129) \times 100 = 46.51$</td><td>8

6

6</td><td></td><td>10</td></tr>
<tr><td></td><td>Average weight scored

Documentary evidences:
1. List from the concerned teacher in charge (programme officer, NCC Officer, etc.)</td><td></td><td>20</td><td>(20/3) = 6.66</td><td>10</td></tr>
<tr><td>8.4.7</td><td>Total number of academic events organized with professional societies/ chapters
Example:<table><tr><th>Name of the student</th><th>Name of society/chapter</th><th>Academic event organized</th></tr><tr><td>XX</td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>2 wt per event</td><td>$0 \times 2 = 2$</td><td>0</td><td></td><td>10</td></tr>
<tr><td></td><td>Average weight scored

Documentary evidences:
1. Brochures of the events
2. Photographs of the events
3. Reports of the events</td><td></td><td>0</td><td>0</td><td>10</td></tr>
</table>

8.4.8	(a) Organization of paper contests/design contests/ exhibition, etc. during the last 5 years by department organization 2 wt per one event –Maximum wt 10.	0 × 2 = 2	0		
	Average weight scored ***Documentary evidences:*** *1. Brochures* *2. Photographs*		0	0	10
8.4.9	Total number of UG/PG/PhD student publications in UGC approved research journals 5 wt per publication (Maximum 20 wt) 1. 2018-19 2. 2019-20 3. 2020-21	5×0 = 0 5×0 = 0 5×0 = 0			20
	Average weight scored ***Documentary evidences:*** *Copies of publications*	0	(0/3) = 0	0	20
8.4.10	(a) Total number of entrepreneurship initiatives during the last 5 years 5 wt per initiative 1. 2018-19 2. 2019-20 3. 2020-21	0×5 = 0 0×5 = 0 0×5 = 0			20
	Weight scored ***Documentary Evidences:*** *Report and photographs of each initiatives*	0	0/3 =0	0	20
	(b) Total number of product designs and innovations 5 wt per product or innovation 1. 2018-19 2. 2019-20 3. 2020-21	0 0 0		0	30
	Weight scored ***Documentary Evidences:*** *Project report with working model*	0	0/3 = 0	0	30

8.4.11	Average number of awards in inter – institute events/ intercollegiate fest/exhibition/ paper contests/design contests, etc. for students (1^{st}, 2^{nd}, 3^{rd} prices) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of students achieved in such contests}}{\text{Total number of students in the dept}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(0/131) \times 100 = 0.0$ $(0/132) \times 100 = 0.0$ $(0/129) \times 100 = 0.0$	0 0 0		10
	Average weight scored ***Documentary evidences:*** *Certificates of achievement*		$(0/3) = 0$	0	10.0
		Total		139.9	370

9. Faculty contributions

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
9.3.1	(a) Percentage of full time teachers with Ph.D. Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{No. of teachers in the department registered for Ph. D.}}{\text{Total No. of teachers in the department having no Ph. D.}} \times 100$	$(1/2) \times 100 = 50$	15		20
	Average weight scored ***Documentary evidences:*** *1. Copy of Ph.D. certificate*		15	15	20
	(b) Percentage of full time teachers registered for Ph.D. after appointment (during the last 3 years) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{No. of teachers in the department awarded Ph. D.}}{\text{Total No. of teachers in the department registered for Ph. D.}} \times 100$	$(5/7) \times 100 = 66.6$	8	8	10
	Average weight scored ***Documentary evidences:*** *1. Copy of registration certificate (valid for five years from the date of registration)*		4	4	10

9.3.2.	Number of teachers awarded university/state/national/international fellowship (post-doctoral) for advancedstudies/research during the last 3 years International: 8 wt National : 6 wt State : 4 wt University : 2 wt 1. 2018-19 2. 2019-20 3. 2020-21	0×0 = 0 0×0 = 0 0×0 = 0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	20.0
9.3.3	Percentage of teachers recognized as research guides Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers with Ph. D.}} \times 100$	$(3/7) \times 100 = 42.85$	10		20
	Average weight scored ***Documentary evidences:*** *Copy of university order*		10	10	20
9.6	Number of Ph.D.s awarded per teacher (as research guide) during the last 5 years Weightage distribution: 1. 3 Ph.D.s awarded per teacher : 20 wt 2. 2 Ph.D.s awarded per teacher : 15 wt 3. 1 Ph.D. awarded per teacher : 10 wt $\frac{\text{Total number of Ph. D. degrees awarded during last 5 years}}{\text{Total number of teachers as recognized guides}}$	$(0/3) = 0$	0		20
	Average weight scored ***Documentary evidences:***		0	0	20

	Copy of university order of award of Ph.D. degree				
9.7	Average percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, virtual lab etc. Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$	$(7/7) \times 100 = 100$	10		10
	Average weight scored ***Documentary evidences:*** *1. List of teachers* *2. ICT resources prepared by each teacher in CD format/uploaded in the College website*		10	10	10
9.8	Faculty as participants/ resource persons in faculty professional development/ training Activities/ seminars/ workshops/ symposia/ conferences (national & international) International: 1. No. of faculties >10 : 10 wt 2. No. of faculties 5-10 : 5 wt 3. No. of faculties 1-5 : 2 wt National: 1. No. of faculties >10 : 5 wt 2. No. of faculties 5-10 : 3 wt 3. No. of faculties 1-5 : 1 wt	12 30	10 5		10
	Average weight scored ***Documentary evidences:*** *1. List of teachers* *2. Certificates of participation*		15.0	10	10.0
9.10.1	Number of research papers per teacher in the Journals notified on UGC website during the last 3 years Weightage distribution: 1. > 5 papers per teacher : 20 wt 2. 3-4 papers per teacher : 15 wt 3. 2 papers per teacher : 10 wt	$(12/4) = 3$	15		20

	4. 1 paper per teacher : 5 wt $\frac{\text{Total number of publications in the last 3 years}}{\text{Total number of teachers who published}}$				
	Average weight scored ***Documentary evidences:*** *Copy of the papers*		15	15	20
9.10.2	Number of books and chapters in edited volumes / books published (ISSN), and papers in national/international conference-proceedings (ISSN) per teacher during the last 5 years Weightage distribution: 1. 20 wt per book 2. 10 wt per book chapter 3. 4 wt per papers in national/ international conference - proceedings	$20 \times 2 = 40$ $10 \times 0 = 0$ $4 \times 8 = 32$	40 0 32		20
	Average weight scored ***Documentary evidences:*** *Copy of the books and chapters in edited volumes / books published, and papers in national/internationalconference-proceedings*		72	20	20
9.10.3	Sum of the bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index Weightage distribution: 1. Citation index >10: 30 wt 2. Citation index 7.0-9.9 : 20 wt 3. Citation index 4.0-6.9 : 10 wt 4. Citation index 1.0-3.9 : 5 wt 5. Citation index 0.1-1 : 2 wt	15	30		30
	Average weight scored ***Documentary evidences:*** *Proof of citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index*		30	30	30
9.11.1	Number of Patents published/awarded Weightage distribution: 10 wt per patent	$0 \times 10 = 0$	0		20
	Average weight scored		0	0	20

	Documentary evidences: *Copy of patent published/awarded*				
9.12.1 & 9.12.3	Major Research projects sponsored by government sourcessuch as UGC, DST, DBT, KSCSTE, etc. and non-government sources such as industry, corporate houses, international bodies, endowments etc. (completed) Weightage distribution: 10 wt per MRP completed.	$10 \times 0 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	20
9.12.2	Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees) (Completed) Weightage distribution: 5 wt per project completed	$5 \times 0 = 0$	0		15
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	15
9.12.4	Revenue generated from Consultancy Weightage distribution: 5 wt per consultancy	$5 \times 6 = 30$	30		15
	Average weight scored ***Documentary evidences:*** 1. *Copy of MoU* 2. *Copy of bank account statements*		30	15	15
9.12.5	Revenue generated from corporate training by the department during the previous year Weightage distribution: 5 wt per training programme	$5 \times 0 = 0$	0		10
	Average weight scored ***Documentary evidences:*** *Copy of bank account statements*		0	0	10
9.13	Number of awards for innovation won by teachers Weightage distribution: 5 wt per award	$5 \times 0 = 0$	0		10
	Average weight scored ***Documentary evidences:***		0	0	10

	Copy of award certificates				
9.14	Faculty interaction with International Collaborations Weightage distribution: 10 wt per collaboration	$10 \times 0 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of MoU*		0	0	20
9.15.1	Membership in academic bodies in Universities / other colleges Weightage distribution: 5 wt per membership	$5 \times 16 = 80$	80		10
	Average weight scored ***Documentary evidences:*** *Copy of membership approval letter/email/order*		80	10	10
9.16	Reviewer/Editors of International and national journals/Books (ISSN) Weightage distribution: International: 1. 5 wt per editorship 2. 2 wt per reviewership National: 1. 3 wt per editorship 2. 1 wt per reviewership	$5 \times 0 = 0$ $2 \times 5 = 10$ $0 \times 0 = 0$ $0 \times 0 = 0$	0 10 0 0		10
	Average weight scored ***Documentary evidences:*** *Copy of invitation letter/email/order from the journal to become reviewer/editor*		10	10	10
9.17	Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 5 years Average hours spent by each faculty: $\left(\frac{\text{Total hours spent by all the faculties in an year}}{\text{Total number of faculties}}\right)$ 1. Greater than 200 hrs : 20 wt 2. 100 to 200 hrs : 15 wt	180	15		20

	3. 50 to 100 hrs : 10 wt 4. 10 to 50 hrs : 5 wt 5. 1 to 10 hrs : 2 wt 6. 0 hrs : 0 wt				
	Average weight scored ***Documentary evidences:*** *1. List of faculties involved* *2. Copy of relevant certificates/orders/other documents duly signed by the Principal*		15	15	20
9.18	Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$	$(7/7) \times 100 = 100$	10		10
	Average weight scored ***Documentary evidences:*** *Copy of relevant certificates/orders/other documents duly signed by the Principal*		10	10	10
		Total		182	340

10. Academic Support Units and Teaching-Learning-Evaluation Process

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
10.1.1.	Ratio of mentor to students for academic and stress related issues (Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of mentors}}{\text{Total number of teachers in the department}} \times 100$	$(7/7) \times 100 = 100$	20		20
	Average weight scored ***Documentary evidences:*** 1. *List of students under each mentor* 2. *Documentary evidences on mentor:mentee interactions*		20	20	20
10.1.2	Indicate whether the department has an effective student grievance addressing system or not. 1. Yes – 10 wt 2. No – 0 wt	Yes	10		10
	Average weight scored		10	10	10

	Documentary evidences: *1. List of students registered complaints* *2. Copies of action taken reports*				
10.2.1	Tutorial classes to address student questions Average no. of tutorial classes conducted per teacher in an year: 1. 16 – 20 classes : 10 wt 2. 11 – 15 classes : 8 wt 3. 6 – 10 classes : 6 wt 4. 3 – 5 classes : 4 wt 5. 1 – 2 classes : 2 wt $\frac{\text{Total number of tutorial classes conducted}}{\text{Total number of teachers conducted tutorial classes}}$	0	0		10
	Average weight scored ***Documentary evidences:*** *1. Attendance register of students*		0	0	10
10.2.6	Describe the number of capability enhancement and development programmes Weightage distribution: 2 wt per programme	$2 \times 10 = 20$	20		10
	Average weight scored ***Documentary evidences:*** *1. Brochures of the programmes* *2. Attendance register of students*		20	10	10
10.2.6.3	Average percentage of students participated for competitive examinations and career counseling offered by the department/college during the last 3 years (e.g. feel employable programme) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 1. 2018-19	$(0/131) \times 100 = 0.0$	0 0		

	2. 2019-20 3. 2020-21	$(0/132) \times 100 = 0.0$ $(0/129) \times 100 = 0.0$	0		20
	Average weight scored ***Documentary evidences:*** *1. Brochures of the programmes* *2. Attendance register of students*		(0/3) = 0	0	20
10.2.9	Does the department have a system to check malpractices and plagiarism 1. Yes – 10 wt 2. No – 0 wt	No	0		10
	Average weight scored ***Documentary evidences:*** *1. Web-link of the plagiarism detection software* *2. Action taken report*		0	0	10
		Total		40	80

12.Events in Departments

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
12.1.1	Average number of national/international seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years Weightage distribution: International: 1. 2 – 4 programmes: 20 wt 2. 1 – 2 programmes: 10 wt National: 1. 2 – 4 programmes: 10 wt 2. 1 – 2 programmes: 5 wt 1. 2018-19 2. 2019-20 3. 2020-21	 0 0 0	0		20

	Average weight scored ***Documentary evidences:*** *1. Brochure of the programme* *2. Photos of the programmes* *3. Reports of the programme* *4. Copy of publication of proceedings*		0/5 = 0	0	20
12.1.2	Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 5 years Weightage distribution: 10 wt per summer school programme	10 × 0 = 0			10
	Average weight scored ***Documentary evidences:*** *1. Brochure of the programme* *2. Photos of the programme* *3. Reports of the programme*		0	0	10
12.1.3	Average number of awards for innovation won by department during the last 3 years Weightage distribution: 5 wt per award	5 × 1 = 5			10
	Average weight scored ***Documentary evidences:*** *Copy of award certificate*		5	5	10
12.1.4	Average number of academicians visited for talks or lectures Weightage distribution: 2 wt per programme	2 × 3 = 6			10
	Average weight scored ***Documentary evidences:*** *1. Brochure of the programme* *2. Photos of the programme* *3. Reports of the programme*		6	6	10
12.2.1	Number of Collaborative activities for research, faculty exchange,student exchange during the last 3 years (other than faculty collaborations) Weightage distribution: 10 wt per collaboration	10 × 1 = 10			20
	Average weight scored ***Documentary evidences:***		10	10	20

	Copy of MoU's outlining such programmes				
12.2.2	Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 3 years Weightage distribution: 5 wt per MoU	$5 \times 12 = 60$			10
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such linkage programmes*		60	10	10
12.2.3	Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 5 years (only functional MoUs with ongoing activities to be considered Weightage distribution: 5 wt per MoU	$5 \times 3 = 15$			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's*		15	15	20
12.3.1	Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government, department scholarships) during the last 3 years (Weightage distribution: 30% - 40% : 20 wt 20% - 29% : 15 wt 10% - 19% : 10 wt 1% - 9% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(0/131) \times 100 = 0.0$ $(0/132) \times 100 = 14.0$ $(3/129) \times 100 = 2.43$	0 0 5		20
	Average weight scored		$(5/3) = 1.66$	1.66	20

	Documentary evidences: *Agreement of the Scheme with the Stakeholders*				
12.4	Fund generated by the department (e.g. SARD scheme of KSCSTE) Weightage distribution: 10 wt per project	$10 \times 1 = 10$			20
	Average weight scored ***Documentary evidences:*** 1. *Sanction/concurrence letters/orders* 2. *Bank account statements* 3. *Cash Register*		10	10	20
12.5	Total number of employability training programmes conducted by the department during the last 5 years and the total number of students attended the programme Weightage distribution: 5 wt per programme	$5 \times 1 = 5$			10
	Average weight scored ***Documentary evidences:*** 1. *Brochures* 2. *List of students programmewise*		5	5	10
12.6	Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes Weightage distribution: 2 wt per programme	$2 \times 30 = 60$			10
	Average weight scored ***Documentary evidences:*** *Copy of participation certificates*		60	10	10
12.7	Details of extension activities of regular nature organized by the department in adopted villages Weightage distribution: 5 wt per programme	$5 \times 3 = 15$			20
	Average weight scored ***Documentary evidences:*** 1. *Brochures of the programme* 2. *Photos of the programme* 3. *Reports of the programme*		15	15	20

12.8	Details of activities organized by the department to promote universal values Weightage distribution: 2 wt per programme	$2 \times 14 = 28$			10
	Average weight scored ***Documentary evidences:*** *1. Brochures of the programme* *2. Photos of the programme* *3. Reports of the programme*		28	10	10
12.9	Total number of cultural activities/ competitions organized by the department during the last 5 years Weightage distribution: 2 wt per activity	$2 \times 31 = 62$			10
	Average weight scored ***Documentary evidences:*** *1. Brochures of the programme* *2. Photos of the programme* *3. Reports of the programme*		62	10	10
12.10	Alumni contribution during the last 5 years (Amount in Rupees) Amount: 1. > 5 Lakhs : 20 wt 2. 1-5 Lakhs : 10 wt 3. 0.5 – <1 Lakh : 5 wt 4. < 0.5 Lakhs : 1 wt	Rs. 20,000.00	1	1	30
	Average weight scored ***Documentary evidences:*** *1. Copy of cheques, DD's etc. obtained from Alumni* *2. Bank account statements* *3. Cash register*		1	1	30
		Total		108.6	230

Feedback

10.2.3	Feedback received from: 1) Students – 3 wt 2) Teachers – 3 wt 3) Employers – 3 wt 4) Alumni – 3 wt 5) Parents – 3 wt for design and review of syllabus - Semester wise /year wise.	3 3 3 3 3	15		15

	Average weight scored ***Documentary evidences:*** *1. Feedback reports* *2. List of corrective measures taken*		15	15	15
		Total		15	15

Qualitative Matrices:

Part – C

5. **Vision, Mission and Programme Outcomes**
6. **Programme Specific Outcomes with global relevance for developmental needs**
7. **Programme Curriculum**

7.1. Curriculum

7.2. Components of Curriculum and their relevance to PSOs and POs

7.3. Core subjects and their relevance to Program outcomes

7.4. Course Syllabus

7.5. Measures and processes used to identify the curricular gaps to the attainment of the COs/PSOswith global relevance for developmental needs.

7.6. Vertical mobility of programmes

7.7. content beyond syllabus imparted for the attainment of the COs/PSOs

9. Faculty Contributions

9.4. Faculty competencies in correlation to Programme Specific Criteria

9.5. Academic Calendar and Teaching plans

11. Continuous improvements

11.1. Improvement in Success Index of Students

11.2. Improvement in Academic Performance Index of Students

11.3. Improvement in Student-Teacher Ratio

11.4. Enhancement of Faculty Qualification Index

11.5. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

11.6. Continuing Education

11.7. New Facility Created

13. SWOT analysis

14. Student Perception

15. Any other relevant points included by the peer team

Score Calculation:
Maximum total weight of Qn. Matrices = 1125 (75% of the maximum total weight)
Maximum total weight of Ql. Matrices = 375 (25% of the maximum total weight)
Maximum total weight = 1125 + 375 = 1500
Maximum CGPA = 4.0
Scored weight of Qn. Matrices = 473
Scored weight of Qn. Matrices = xxx
Scored total weight = Scored weight of Qn. Matrices + Scored weight of Qn. Matrices
= 501 + xxx
= yyy

$$\text{Obtained CGPA} = \left(\frac{yyy}{1500}\right) \times 4$$
$$= \left(\frac{yyy}{1500}\right) \times 4$$
$$\text{Obtained CGPA} = zzz$$

Range of Departmental Cumulative Grade Point Average (CGPA)	Grade
3.51 – 4.00	A++
3.26 – 3.50	A+
3.01 – 3.25	A
2.76 – 3.00	B++
2.51 – 2.75	B+
2.01 – 2.50	B
1.51 – 2.00	C
≤ 1.50	D

CMS COLLEGE (AUTONOMOUS) KOTTAYAM

DEPARTMENT SELF – ASSESSMENT REPORT (DSAR) MANUAL

DEPARTMENT OF FAMILY & COMMUNITY SCIENCE (HOME SCIENCE)

October 2021

DEPARTMENTSELF – ASSESSMENTREPORT (DSAR) MANUAL

The Department Self Assessment Report (DSAR) is intended to shed light into the current status of the department in terms of its Strength, Weakness, Opportunities and Threats. As such, the department is expected to provide accurate data and observations that reflect the true and real status of the department. The data that will be collected from the department would fall into three parts.

- **Part A** : Basic data of the department (will not be used for assessment)
- **Part B** : Data about infrastructure, governance, financial status (will not be used for assessment)
- **Part C** :Data collected in this part will be used for assessment and accreditation.

The department should provide data for the academic years 2018-19, 2019-20, 2020-21 (past 3 years) separately under each relevant question and for each UG and PG programmes offered.

The department need not supply the supporting documents while submitting the DSAR, but should keep them in original for peer team assessment. After the assessment, softcopies/scanned copies of supporting documentsmust be sent to dsar@cmscollege.ac.in within a week of assessment.

For queries, please e-mail to dsar@cmscollege.ac.in.

PART A

18. Departmental Information

18.1. ..... Name and address of the department:

Department of Family & Community Science, CMSCollege,Kottayam ,Kerala 686001

email id:home.science@cmscollege.ac.in

18.2. ..... Name, designation, telephone number, and e-mail address of the head/contact person.

Dr.MiriamMani,Associate Professor & Head, 9048546392,miriammani@yahoo.co.in

18.3. ..... History of the department including dates of introduction and number of seats ofvarious programmes of study.

BSc. Programme in Home Science was started in the year 1959and MSc.Dietetics and Food Service Management was started in the year 2002.A PG Diploma Course in Applied Nutrition and Dietetics was conducted by the Department for ten years and when the MSc. Course was introduced gradually this was stopped as students preferred to join forMSc.Course.

Number of seats

- Bsc.Programme in Family and Community Science (HomeScience)-32.
- Msc.Programme in Dietetics and Food ServiceManagement-20

The Department went through NAAC accreditation three

times and Autonomy inspection once.

(Instruction: History of the institution and its chronological development along with the records of past accreditation need to be listed here.)

18.4. ..... M

ission and Vision of the department:

VISIONTrain students to build up ideal families and communities and motivate them to become agents of social change by stimulating their creative faculties, powers of reasoning and reflection.

MISSION1• Provide scientifically planned, multi-dimensional, skill oriented, personality development courses which enable youth to excel in areas of health, family care, community service and more importantly diverse career and professions in today's context.2• Provide education not only to acquire knowledge but also to inculcate a sound philosophy for holistic living.3• Educate young girls towards independence and equality by inculcating a sense of self-worth, integrity and purpose.4• Empower youth to respond creatively and with a sense of responsibility to the contemporary needs of the society.5• Provide quality education and at the same time inculcate a spirit of service and dedication.

19. (Instruction: The department is required to specify its Mission and Vision).

19.1. List of the programmes/ departments which share human resources and/or the facilities of this department/ programme (in %).

An Open course, Nutrition for wellness is offered for the students(semester 5) of other departments. The classes for the course is taken by the faculties of the Department in the department class room.

(Instruction: Institutes needs to mention the different programs which share the human resources and facilities with the department/ programme being accredited.)

19.2. Total number of students:Under graduate level

Sl.no	Academic year	Number of students		
		Female	Male	Total
1	2018-19	30	0	30
2	2019-20	24	1	25
3	2020-21	22	0	22

Post graduate level

Sl.no	Academic year	Number of students		
		Female	Male	Total
1	2018-19	6	0	6
2	2019-20	5	0	5
3	2020-21	19	0	19

19.3. Total number from other states and countries:Ug. 1 Pg. Nil

19.4. ..... Total number of differently abled students: Nil

19.5. ..... Minimum and maximum number of staff on roll in college, during the current and five previous academic years in the department:

Under graduate level

Sl.no.	Year	Number of staff on roll
1	2017-18	Dr.Miriam Mani, Dr.Anooja Thomas
2	2018-19	Dr.Miriam Mani, Dr.Anooja Thomas Mrs.Faseela M Rasheed
3	2019-20	Dr.Miriam Mani, Dr.Anooja Thomas Mrs.Veena S Panicker
4	2020-21	Dr.Miriam Mani, Mrs.Faseela M Rasheed Mrs.Veena S Panicker
5	2021-22	Dr. Miriam Mani, Mrs.Veena S Panicker

Post graduate level

Sl.no.	Year	Number of staff on roll

1	2017-18	Mrs.Linta Michael Mrs.Sherin Thomas Mrs.Sreelakshmy S
2	2018-19	Mrs.Sherin Thomas (Discontinued) Mrs.Sreelakshmy S Mrs.KavithaVijayan Mrs.Renu K Abraham
3	2019-20	Mrs.Sreelakshmy S Mrs.KavithaVijayan Mrs.Renu K Abraham
4	2020-21	Mrs.Sreelakshmy S Mrs.KavithaVijayan Mrs.Renu K Abraham
5	2021-22	Mrs.SreelakshmyS(Discontinued) Mrs.KavithaVijayan Mrs.Renu K Abraham

(A tabular format may be used)

19.6. Details of full time teachers against sanctioned posts

Under graduate level(Aided)

Sl.no.	Year	Sanctioned posts	Full time teachers
1	2017-18	2	2
2	2018-19	2 and one gov. guest	3
3	2019-20	2 and one gov. guest	3

4	2020-21	2 and one gov. guest	3
5	2021-22	2	2

Post graduate level(self-financing)

Sl.no.	Year	Sanctioned posts	Full time teachers
1	2017-18	3	3
2	2018-19	3	3
3	2019-20	3	3
4	2020-21	3	3
5	2021-22	3	2

(Position sanction letters verified by DCF of AISHE or the concerned authority, Soft copy of appointment letters of faculties during 3 years, Pan No. of faculties)

19.7. Full time teachers from other states against sanctioned postsNil(Softcopy of supporting document)

19.8. Faculty experience

Under graduate level

Name of the Full-time teacher	**PAN**	**Designation**	**Year of appointment**	**Total years of Experience as on 31/10/2021**	**Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution**
Dr. Miriam Mani (Ug)	**AHTPM 5232C**	**Associate Professor**	**1996**	25 years	yes
Dr. Anoooia		Associate Professor	1998	22 years	Retired in the year 2020

Thomas K (Ug)					
Mrs.Faseela M Rasheed	DCYPR7298G	Guest lecturer(Govt.)	2017	3years	(Discontinued in 2019,2021)
Mrs. Veena S Panicker		Guest lecturer(Govt.)	2019	3years	continuing

Post graduate level

Name of the Full-time teacher	**PAN**	**Designation**	**Year of appointment**	**Total years of Experience as on 31/10/2021**	**Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution**
Srelakshmi S	**CEFPS0041Q**	**ASSISTANT Professor(sf)**	**Sept.2015**	7years	Discontinued in July 2021
Kavitha Vijayan	BMGPV7295B	**ASSISTANT Professor(sf)**	July 2018	3years 5months	Continuing
Renu K Abraham	APNPA4006Q	**ASSISTANT Professor(sf)**	Sept.2018	3years 3months	Continuing

19.9. Total number of differently abled teachers: Nil

19.10. Percentage of full time teachers with Ph.D.

Percentage **=Ug-67% ,Pg-Nil**

$$\frac{\text{Number of full time teachers in the department with Ph. D.}}{\text{Total number of full time teachers}} \times 100$$

Name of full time teacher with PhD	**Number of full time teachers with PhD**	**Total number of full time teachers**
Dr.Miriam Mani (Ug)	2(ug)	3(Ug)
Dr.Anooja Thomas K (Ug)		

		3(Pg)

19.11. Is the department an approved research centre by University / National / International bodies?
No.

19.12. Summary of budget for the Previous Financial Year (PFY) and the actual expenditure incurred in the PFY.

There is no separate budget for the Department. Whenever there is a need for Home Science Association activities funds will be shared by teachers and students and utilized.

Money which is raised for helping needy students is kept as a separate bank account with Principal, HOD and the second senior teacher of the Department as account holders and taken whenever there is a need for students.

19.13. Summary of budget for the Current Financial Year (CFY).NA

PART B

20. Facilities and Technical Support

20.1. Cl

ass rooms in the Department

1.BScFirst year

2.BSc.Second year

3.Bsc .Third year –class room cum Textile Science & Fashion Design laboratory

4.MSc.First year

5.MSc.Second year

20.1.1. ..... A

dequate number of rooms for lectures (core/electives), seminars, tutorials, etc.for the program

(Provide a description with the number of existing rooms and lack of them, if any)

Purpose of the class rooms	No. of existing classrooms	No. of class rooms required
lectures	5, including 2 laboratories	2
Seminars	Nil ,conducted in class room itself	1
Tutorials	Conducted in class rooms and laboratories	--
Total number of classrooms required		**3**

20.1.2. ..... Teaching aids – multimedia projectors, etc.

(Provide a description with the number of existing classrooms with such facilities and lack of thereof, if any)

Type of facility	No. of existing classrooms with the facility	No. of class rooms with the facility required
Multimedia projector	2	3
Screen	1	Projected on the wall
Smart boards	nil	3
Wireless microphone	nil	5
Speaker	1	3
Computer	Laptop1	2
UPS	nil	2
Server	Common server	
Document camera	nil	1
Educational softwares	nil	2
WIFI/LAN facilities	Common wifi facility is available	

Total number of classrooms with teaching aids required	**5**

20.1.3. ..... Acoustics, class room size, conditions of chairs/benches, air circulation, lighting, exits, ambiance, and such other amenities/facilities

Class rooms -Under graduate level

No.	class	Room size	Chairs/benches	Aircirculation Lighting	LCD
1	1DC	2715 Sq.m	6	Have sliding windows, Proper air circulation, 2ceiling fans. Proper lighting (one tube light)	nil
2	2DC	994Sq.m		Have proper air circulation with 5 windows,3 ceiling fans, Proper lighting with 3 tube lights.	nil
3	3DC	7408Sq.m	10 benches & Desks.	Laboratory cum class room. Have good air circulation with 9 windows,2 ceiling fans, Proper lighting with 4 tube lights.	1

Class rooms –Post graduate level

No.	class	Room size	Chairs/benches	Air circulation Lighting	LCD
1	1MSc	2113Sq.m	Desk2,bench2,table1,chair13	Windows 4	nil

				Ceiling fan 1	
2	2MSc	20182Sq.m	Chairs-20,table1	Windows4, Tube light 2,ceiling fan2.	1

(Provide a description of the facilities and amenities classroom wise)

20.1.4. Seminar halls with ICT facilities-NIL-no separate seminar hall.During need, common seminar halls available in the college will be used.

Type of facility	**No. of existing seminar halls with the facility**	**No. of seminar halls with the facility required**
Multimedia projector	nil	
Screen	nil	
Smart boards	nil	
Wireless microphone	nil	
Speaker	nil	
Computer	nil	
UPS	nil	
Server	nil	
Document camera	nil	
Educational softwares	nil	
WIFI/LAN facilities	nil	
Total number of seminar halls with ICT facilities required		**2**

20.2. ..... Fa culty Rooms in the Department

20.2.1. ..... A

vailability of individual faculty rooms

One Common staff room only

20.2.2. ..... R

oom equipped with white/black board, computer, Internet connectivity, adequate number of plug points, UPS connectivity and such other amenities/facilities

Staff room is equipped with 2 computers with internet connectivity with adequate number of plug points. A black board is also available.

No separate room for discussion/counseling with students. Class room and lab facility is used for the purpose.

20.3. ..... La

boratories in the Department to meet the Curriculum Requirements and the PSOs

20.3.1..... A

dequate, well-equipped laboratories to meet the curriculum requirements and the PSOs

20.3.2..... A

dequate laboratory facilities are there to meet the curriculum requirement and the PSOs. There are 3 laboratories 1. Nutrition lab 2. Biochemistry lab 3Textile Science & Fashion Design lab.

(Provide a description with the number of laboratories and lack of thereof, if any)

20.3.3..... A

dequate, well-equipped laboratories to conduct research projects

For conducting research projects adequate facility is available in the laboratories.

There are 3 laboratories 1. Nutrition lab 2. Biochemistry lab 3Textile Science & Fashion Design lab.

(Provide a description with the number of laboratories and lack of thereof, if any)

20.3.4..... Eq

uipments to run experiments and their maintenance, Number of students per experimental set up, Size of the laboratories, overall ambience etc.

(Provide both quantitative and qualitative information)

Name of the equipment	**Number of students per**	**Size of the**

	equipment/experiment	laboratories
1.Nutrition Lab 1.Microscope-25	1:1	3240 Sq.m
2.Centrifuge-4	1:7	
3.Microwave-1	1:30	
4.Refrigerator-3	1:10	
5.Deep Freezer-1	1:30	
6.Hot air oven-1	1:30	
7.Incubator-1	1:30	
8.Photoflourometer-1	1:30	
9.Spectrophotometer-1	1:30	
10.PH Meter -1	1:30	
11.Muffle furnace-1	1:30	
12.Autoclave-1	1:30	
2.Textile Science & Fashion Design Lab 1.Sewing machines-17	2	741Sq.m
2. Microscope-1.	25	
3.Pick counters-2	15	
3.Biochemistry Lab		2850 Sq.m

20.3.5. ..... Availability of computing facilities in the department

Number of	Number of computers	Number of UPS	Number of	Internet connectivity	Access to e-	Student : Computer

computer labs			servers	(yes/no) Speed (mb/ps)	resources (yes/no)	ratio
nil	Computer is available in the staff room only	1	Common seever	Yes	Yes	Computer available only for teachers.

(Provide a description with the number of computers and related facilities, adequate space for laboratory etc. and lack of thereof, if any)

20.3.6..... Availability of laboratories with technical support within and beyond working hours- Nil

(Provide a description of the type and extent of technical support lent to the laboratories, number of such laboratories, number of technicians assigned to each laboratory and lack of thereof, if any)

20.4..... Technical Manpower Support in the Department

20.4.1..... Availability of adequate and qualified technical supporting staff for program specific laboratories and lack of thereof, if any.

One lab staff is available on contract basis.

20.4.2..... Incentives, skill-up gradation and professional advancement.

Given the following training

1. Training course on coconut food products in CDB institute of Technology under the coconut development board.14.03.2019

2. Three days Training on Safety Practices in laboratoriesat UniBiosysBiotech Research Labs.Kochi –21st March to 23rd March 2019.

3. Skll development Training on Basic Laboratory Techniques at Unibiosys Biotech Research Labs,Kochi,Kerala-23rd& 24th November 2017

21. Infrastructure, Governance, Institutional Support and Financial Resources

21.1. Campus infrastructure and facility

21.1.1. Maintenance of academic infrastructure and facilities

The Department makes use of the centralized facilities provided by the College.

(Provide a description of the current situation and a history over the last 3 years)

21.1.2. Hostel (boys and girls), transportation facility, and canteen

The Department makes use of the centralized facilities provided by the College.

(Provide a description of the current situation with the number of students obtained hostel, transportation and canteen facilities and a history over the last 3 years)

21.1.3. Electricity, power back up, telecom facility, drinking water, and security

The Department makes use of the centralized facilities provided by the College.

(Provide a description of the current situation and a history over the last 3 years)

21.2. Organization, Governance and Transparency

21.2.1. Governing body, administrative setup, and functions of various bodies and cells

The Head of the Department is in charge of the activities of the department, along with members of the Faculty and student representatives. A Home Science Association is existing in the department. During each academic year association activities are conducted with student representatives taking charge of co-curricular activities.All the activities are conducted under the guidance of staff advisors. Funds are raised from students and faculty whenever a need arise for an event/ programme.

(Provide information about the department level bodies and committees)

21.2.2. Defined rules, procedures, recruitment, and promotional policies, etc.

Faculty Meetings are held periodically in the department faculty room for discussion of matters related to student welfare/ academics/ department activities. The meeting minutes are recorded by the department secretary and the register is maintained in the Department.

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

21.2.3..... De centralization in working, including delegation of financial power and grievance redressal system

The Head of the Department delegate responsibilities to the faculty members in activities related to Curriculum designing, preparation of Reports, Conduct of Seminars and other events and the faculty members report to the Head of the Department.

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

21.2.4..... Tr ansparency and availability of correct/unambiguous information disseminated among the department staff

Faculty Meetings are held periodically in the department faculty room for dissemination of information on College policies/events/and for discussion of matters related to student welfare/ academics/ department activities. The meeting minutes are recorded by the department secretary and the register is maintained in the Department.

21.3..... B udget Allocation, Utilization and public Accounting

There is no separate budget for the Department. Whenever there is a need for Home Science Association activities funds will be shared by teachers and students and utilized.

Money which is raised for helping needy students is kept as a separate bank account with Principal, HOD and the second senior teacher of the Department as account holders and taken whenever there is a need for students.

21.3.1...... Adequacy of budget allocation

Budgets are prepared for programmes events/ seminars etc. conducted by the department and the funds are taken either from Centralized Agencies/ College fund for Seminars/ conferences etc. and for cultural and other co-curricular activities, fund is collected from students and staff as and when the need arises.

(Provide description with numbers related to budget allocation)

21.3.2...... Utilization of allocated funds

Separate records are maintained in the department for the utilization of funds.

(Provide description with numbers related to utilization)

21.4...... Programme Specific Budget Allocation, Utilization

21.4.1. Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

21.4.2. Utilization of allocated funds

(Provide description with numbers related to utilization)

21.5. Facilities: Animal House/Green House / Museum, Fabrication facility, Media laboratory/Business Lab/Studios, Research/Statistical Databases(Year of establishment, Hyperlink of videos and pictures (geotagged) – verified from DCF of AISHE)Nil

21.6...... Library –No department library .Only general college library.

21.6.1. Library space and ambience, timings and usage, availability of a qualified librarian and other staff, library automation, online access, networking, specialized facilities (ILL, download, printing, facilities for differently abled students) etc.

Enough space in the college library with a qualified librarian.

(Provide description)

21.6.2. Titles and volumes per title of books, journals and periodicals.

List of books in the library

Sl.no	Title	volumes

(List the titles and volumes per title)

21.6.3. Scholarly journal subscription

List of journals in the library

Sl.no.	**Name**	**Publisher, ISBN**	**Broad range**	**Specific field**	**Benefits to faculty /students**
1			**Family & community science**	**Nutrition**	
2			**Family & community science**		
			Family & community science		

(List the details of journals including publisher, ISBN number, broad range of study, specific field of study, how the subscription of a specific journal is beneficial for faculty and students)

21.6.4. Digital Library -NA

21.6.5. Library expenditure on books, magazines/journals, and miscellaneous contents

Sl.no	**Year**	**Books/journal**	**Expenditure**
1	**2018-19**	**Books**	
		Journal	
2	**2019-20**	**Books**	
		Journal	
3	**2020-21**	**Books**	**900.00**
		Journal	
4	**2021-22**	**Books**	**Nil**
		Journal	

(Provide description with numbers related to expenditure)

21.6.6. Number of withdrawal of books by students in the previous year*****

Formula:

$$\frac{\text{Number of withdrawal of books from department library in previous year}}{\text{Total number of students}} \times 100$$

$$\frac{\text{Number of withdrawal of books from College library in previous year}}{\text{Total number of students}} \times 100$$

*Source: Issue register

21.7. ..... Internet

(Indicate the internet usage policy, whether satisfactory internet speed is available all the time etc.)

21.8. ..... Safety norms

21.8.1. Checks for wiring and electrical installations for leakage and earthing.

Technicians from the College are called if any problem occurs.

(Provide description)

21.8.2. Fire-fighting measurements: Effective safety arrangements with emergency / multiple exits and ventilation / exhausts in auditoriums and large classrooms / laboratories, fire-fighting equipment and training, availability of water, and other such facilities.

A fire extinguisher is installed in the Nutrition lab.

(Provide description with the number of equipments available and lack of thereof, if any)

21.8.3. Safety of civil structure

Building is made of concrete and seems to be safe.

(Provide description)

21.8.4. Handling of hazardous chemicals and such other activities

Details on Safety precautions to be followed while using the chemicals will be imparted to students before starting the practical and all the practical are done under

the supervision of the faculty.

(Provide description and issues, if any)

21.9. ..... Counseling and Emergency Medical Care and First-Aid

21.9.1. Availability of counseling facility-

Diet counseling center functions at the department on Wednesdays during lunch break under the leadership of students of MSc. Dietetics & Food Service Management.

Psychological counselling is done at the College level asan when the need arisesfor students

(Provide description and issues, if any)

21.9.2. Arrangement of emergency medical care

During emergencies students will be taken to nearby hospitals.

(Provide description and issues, if any)

21.9.3. Availability of First Aid Unit

A small first aid kit with band aid, ointment for burn and pain balm is kept in the department.

(Provide description and issues, if any)

PART C

4 Programme Specific information

4.1Name of the Programme

1.Bsc.Degree in Family& Community Science (Home Science) (FCS)-Aided stream

2.Msc. Degree Dietetics and Food Service Management-(DFSM)Unaided stream

(List name of the programme, as it appears on graduate's certificates and transcript, and abbreviation used for the programme)

4.2Title of the Degree

B.Sc.-Family and Community Science (Home Science) (Aided)

Choice Based Credit Semester System

M.Sc. Dietetics & Food Service Management (selffinancing)

Credit and Semester System.

INTERDISCIPLINARY COURSES

OPEN COURSE-NUTRITION FORWELLNESS

Beneficiaries-students from other Departments

ADD ON COURSES

1. DBT Star college Scheme sponsored credit-based course onCreative Arts and Environment Management.(March 2021)

Beneficiaries –Third BSc.Students of Family &Community Science

2. DBT Star College Scheme sponsored credit-based course on Safe Food Production for Health and Immunity. .(March 2021)

Beneficiaries –Third BSc.Students of Family &Community Science

3. DBT Star college Scheme sponsored credit-based course onConstruction and Embellishment of basic Kids Garments.(March 2021)

Beneficiaries –Third BSc.Students of Family &Community Science

4. Value – added course on Bakery and Confectionary (2019-2020)

Beneficieries- BSc.degree students (1^{st},2^{nd} and 3^{rd} year)

4.3History of the programme

1. B.Sc. Programme in Family and Community Science was started in 1959.

Number of seats:32

2.A PG Diploma Course in Applied Nutrition and Dietetics was conducted by the Department for ten years and when the MSc. Course was introduced gradually this was stopped as students preferred to join for MSc.Course.

Number of seats :15

3.The Postgraduate programme in Dietetics and Food Service Management was launched in 2002.

Number of seats :20

Email id:home.science@cmscollege.ac.in

(Provide description)

4.4Deficiencies, weaknesses/concerns and challenges from previous accreditations of NAAC

The NAAC team reported that the student strength in undergraduate and postgraduate programme is low.

But now the situation changed. The number of students joined for undergraduate and Post graduate courses increased .

4.5 Total number of students in the programme:

(Instruction: Total number of students, both boys and girls, has to be listed here. The data may be categorized in tabular form under graduate, post graduate, Doctoral Degree, or other program, if applicable.)

Year	Total number of students in UG programme		Total number of students in PG programme		Total number of students in Ph.D. programme NA		Total number of students in diploma/ certificate/ other programmes	
	Male	Female	Male	Female	Male	Female	Male	Female
2018-19	0	30	0	6				
2019-20	1	24	0	5				
2020-21	0	22	0	19			0	22

5

22. Vision, Mission and Programme Outcomes

22.1..... Vision and Mission

22.1.1. State the Mission and Vision of the College and department in relation to programme outcomes

Vision and mission of college

The CMS College endeavours to live up to its motto **Thy Word is Truth** which inspired the founding fathers of the college to enlighten the populace of this region two centuries ago. The emblem of the college is a translation of the motto. The vision, mission and objectives are established accordingly.

Vision: The CMS College shall be a centre of excellence for imparting value-based liberal education aimed at promoting inclusive and holistic growth of the learner with thrust on real-time needs.

Mission: The College strives to:

1. Achieve excellence by imparting quality education through teaching, learning, researchand extensionactivities.
2. Inculcate values of integrity, justice and compassion in the young minds to keep alivethe missionary zeal of thefounders.
3. Execute academic and administrative policies in a flexibleenvironment.
4. Ensure optimum utilization of resources for the benefit of thesociety.
5. Create awareness on human rights, cultural and spiritual heritage, scientific temperand ecology.
6. Empower students as the agents of transformation and equip them to face local andglobal challenges.

VISION

Train students to build up ideal families and motivate them to become agents of social change by stimulating their creative faculties, powers of reasoning and reflection.

MISSION

1• Provide scientifically planned, multi-dimensional, skill oriented, personality development courses which enable young girls to excel in areas of health, family care, community service and more importantly diverse career and professions in today's context.(GPO 1,6)
2• Provide education not only to acquire knowledge but also to inculcate a sound philosophy for holistic living.(GPO4,5)
3• Educate youth towards independence and equality by inculcating a sense of self-worth, integrity and purpose.(GPO4)
4• Empower young girls to respond creatively and with a sense of responsibility to the contemporary needs of the society.(GPO2,3)
5• Provide quality education and at the same time inculcate a spirit of service and dedication.(GPO3,6)

List and articulate the mission and vision statement of the College anddepartment

The programme imparts knowledge to the students regarding various vocational areas of nutrition, textiles, clothing, childcare and psychology.

- In order to enhance the creativity amongst students, the Department of Home Science conducts different workshops related to Interior decoration and Resource Management & FineArts.
- Provides formal training to shoulder all the responsibilities and cope up efficiently with multifarious demands of the time andenergy.
- Develops a range of theoretical and practical skills that form an appropriate basis for subsequent professionalemployment.

(List and articulate the mission and vision statement of the College and department)

22.1.2. Indicate how and where the Vision and Mission are published and disseminated

In Websites, curricula books and college handbook and calendar, the vision and mission are published and these are disseminated to stakeholders through orientation and induction classesetc.

(Describe in which media (e.g. websites, curricula books) the vision and mission are published and how these are disseminated to stakeholders)

22.1.3. Mention the process for defining Vision and Mission of the department

Vision of the department was defined based on the college vision and mission and main aim of the course. In order to attain it, specific mission statements are defined. Both these vision and mission are contributing to Programme Specific outcome (PSOs) and also with Programme outcomes (POs).

Mission statements of Home Science curriculum from International and Indian Universities, UGC, along with Expected outcomes as suggested by stakeholders were taken into consideration while framing of the Vision and Mission statements of the Department.

The Vision & Mission statements were finalized in the Meeting held with the members of the department.

(Articulate the process involved in defining the vision and mission of the department from the vision and mission of the College)

22.2..... Pr ogram Outcomes

22.2.1.

Describe the Programme Outcomes(POs)

GPO No.	Graduate Programme Outcomes
1	**Critical Thinking**: Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them
2	**Effective Communication:** Demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple Contexts

3	**Social Interaction:** Foster social skills and peer interaction enabling them to make all people feel valued and respect their differences by being responsible citizens for creating a socially inclusive society
4	**Ethical Standards:** Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions
5	**Environmental Consciousness:** Discern the issues of environmental contexts and engages in promoting values and attitudes that claim coexistence and sustainable living with reduced, minimal, or no harm upon ecosystems
6	**Lifelong Learning:** Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment

PSO No.	**PROGRAMME SPECIFIC OUTCOMES (PSO)**	**PO No.**
1	Understand the basic concepts of Human Physiology, biochemistry, microbiology, environment and Human rights.	1,6

2	Plan and prepare diet for healthy life style using the principles of Food Science and Nutrition.	1,6
3	Understand the principles and patterns of growth and development of humans from conception to old age and the role of family in development.	1,3
4	Acquire scientific skills in the management of resources and develop basic skills for career options in the fields of dietetics, interior designing, textiles and fashion designing and preschool education.	1,4
5	Appreciate the role of Family and Community Science (Home Science) extension in community development and to conduct effective extension education programmes through different media.	2,3,4,6
6	Apply the acquired conceptual knowledge of food quality assurance and sustainable waste management for holistic living	4,5
7	Use concepts, tools and techniques related to Chemistry and Zoology and its application in Family and Community Science (Home Science)	1,6
8	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and internet productivity with people from diverse backgrounds.	1,3,4

22.2.2. Describe the Programme Outcomes (POs)

(List and articulate the program outcomes of the program under accreditation)

22.2.3. State how and where the POs are published and disseminated

POs are published in the website of the college under the section “syllabus “and syllabus as a separate bound book.

For disseminating it among stakeholders the POs are introduced to students during induction and orientation classes and also before starting the teaching of the syllabus of a specific programme. For disseminating it among stakeholders several methods are adopted. Before starting to teach each course, POs could be given as an introduction. While taking each module, its connection to POs is discussed with the students and also after completing each module, can check with the students whether the outcome has achieved.

(Describe in which media (e.g. websites, curricula books) the POs are published and how these are disseminated to stakeholders)

22.2.4. List Stakeholders of the Program

1. Students
2. Dietitians (The Department can function as a research station for dissemination of novel scientific information and equip them professionally for a career in the field of Nutrition &Dietetics).
3. Child development coordinators (The Department can function as a research station for dissemination of novel scientific information in the field of ChildDevelopment).
4. Home makers (The Department provides valuable inputs for improving their home and family based on the contemporaryneeds)
5. Community workers (The Department provides information & Support material for use in improving thecommunity).
6. Textile and Fashion designers (The Department can function as a research station for dissemination of novel scientific information and equip them professionally for a career in the field of Textile & Fashion Designing).etc.

(List stakeholders of the program under consideration for accreditation and articulate their relevance)

22.2.5. State the process for establishing Pos

Details needed from college

PSO No.	PROGRAMME SPECIFIC OUTCOMES (PSO)	PO No.
1	Understand the basic concepts of Human Physiology, biochemistry, microbiology, environment and Human rights.	1,6
2	Plan and prepare diet for healthy life style using the principles of Food Science and Nutrition.	1,6
3	Understand the principles and patterns of growth and development of humans from conception to old age and the role of family in development.	1,3

(Describe the process that periodically documents and demonstrates that the POs are based on the needs of the program's various stakeholders.)

22.2.6. Establish consistency of POs with Mission

Each PO contributes to mission of the Department. If any change occurs in the mission due to instruction from UGC /Higher education council etc. and based on changing needs of the society, relevant additions and deletions/change will be done in the mission and also change in corresponding PO.

(Describe how the PO's are consistent with the Mission of the department.)

22.3..... At tainment of Program Outcomeswith global relevance for developmental needs

22.3.1. Justify the contributions of the Programme Curriculum towards attainment of Pos

4	Acquire scientific skills in the management of resources and develop basic skills for career options in the fields of dietetics, interior designing, textiles and fashion designing and preschool education.	1,4
5	Appreciate the role of Family and Community Science (Home Science) extension in community development and to conduct effective extension education programmes through different media.	2,3,4,6
6	Apply the acquired conceptual knowledge of food quality assurance and sustainable waste management for holistic living	4,5
7	Use concepts, tools and techniques related to Chemistry and Zoology and its application in Family and Community Science (Home Science)	1,6

8	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and internet productivity with people from diverse backgrounds.	1,3,4

Each course in the programme contributes to the attainment of POs and each module is related to the attainment of one or more PSOs.

22.3.2. Explain how administrative system helps in ensuring the attainment of Pos

Well scheduled time table with theory and practical hours for imparting eachcourse.

Ensuring attendance of students in the class by recording and publishing it and also allotting internal marks for attendance.

This will help in making students to attainsPOs

Assessing the outcome through periodic In Semester and End Semesterexams.

Regular result analysis to ensure to what extent the students has imbibed the content of syllabus and in turn attained the POs.

22.3.3. Indicate the additional co-curricular activities undertaken towards the attainment of the POs

22.4..... Assessment of the attainment of Programme Outcomes with global relevance for developmental needs

22.4.1. Indicate tools and processes used in assessment of the attainment of Pos

The outcomes can be assessed through periodic InSemester and End Semester exams. Regular result analysis to ensure to what extent the students has imbibed the content of syllabus and in turn attained the POs. the Programme and course outcomes are kept in mind while designing the question papers and scheme of the InSemester and End Semester exams.

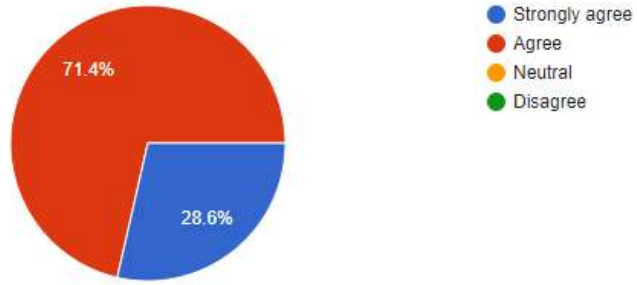
22.4.2. Provide the evidence of the achievement of Pos

The evidence of the achievement of the POs will be provided after the assessment of students.

Feed back taken from students on PSO(UG)

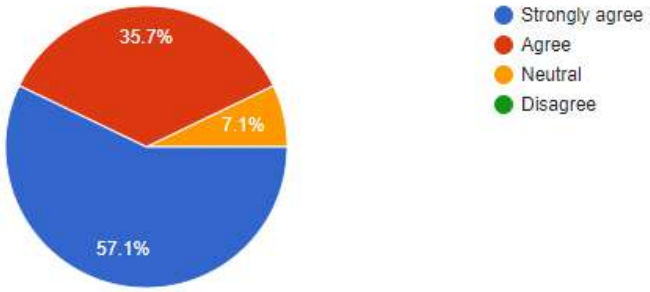
1. Understood the basic concepts of Human Physiology, biochemistry, microbiology, environment and Human rights.

14 responses



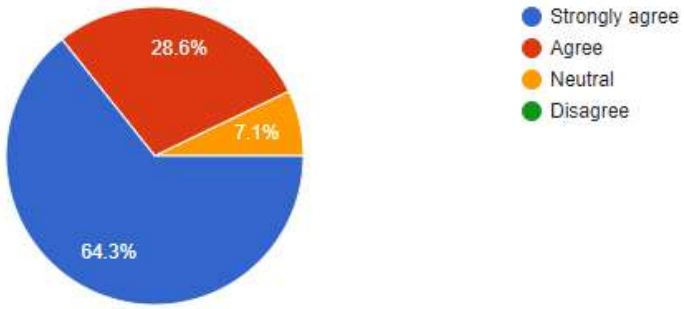
2.I can plan and prepare diet for healthy life style using the principles of Food Science and Nutrition.

14 responses



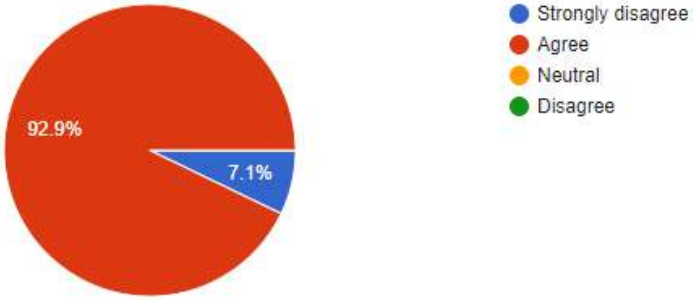
3.Understood the principles and patterns of growth and development of humans from conception to old age and the role of family in development.

14 responses



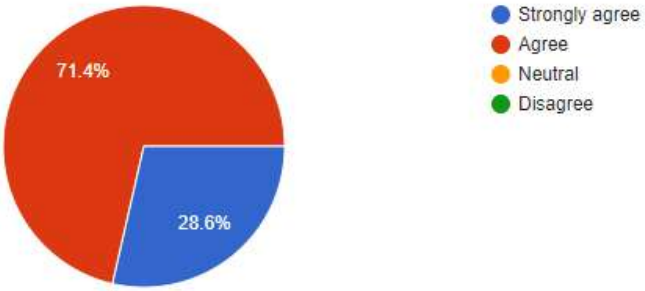
4.I acquired scientific skills in the management of resources and develop basic skills for career options in the fields of dietetics, interior designing, textiles and fashion designing and preschool education.

14 responses



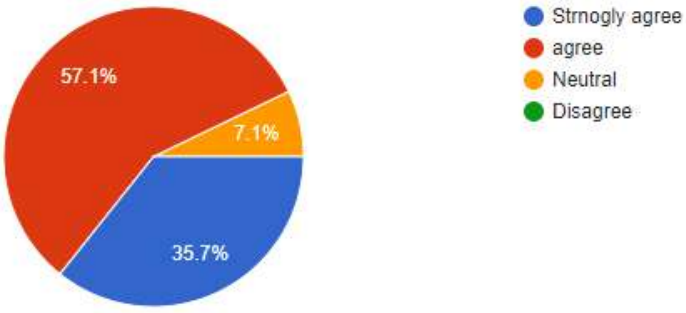
5.I am able to appreciate the role of Family and Community Science (Home Science) extension in community development and to conduct effective extension education programmes through different media.

14 responses



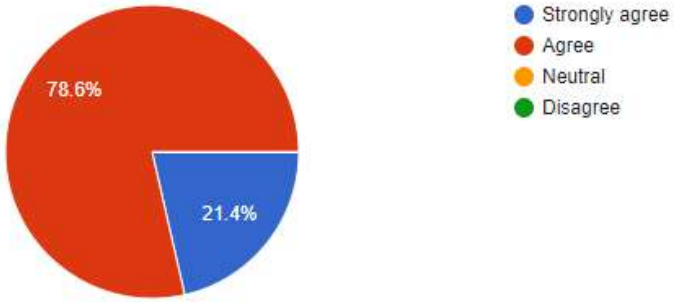
6.I am able to apply the acquired conceptual knowledge of food quality assurance and sustainable waste management for holistic living

14 responses



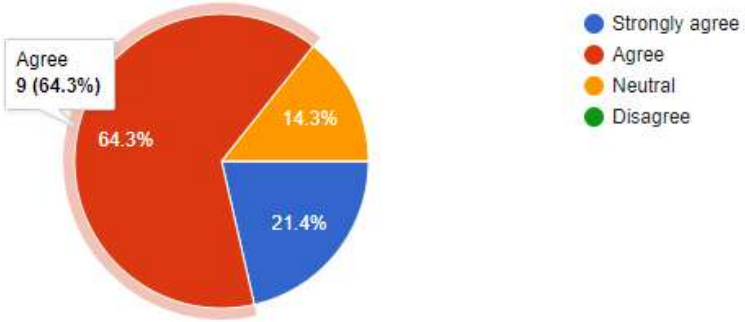
7.I am able to Use concepts, tools and techniques related to Chemistry and Zoology and its application in Family and Community Science (Home Science)

14 responses



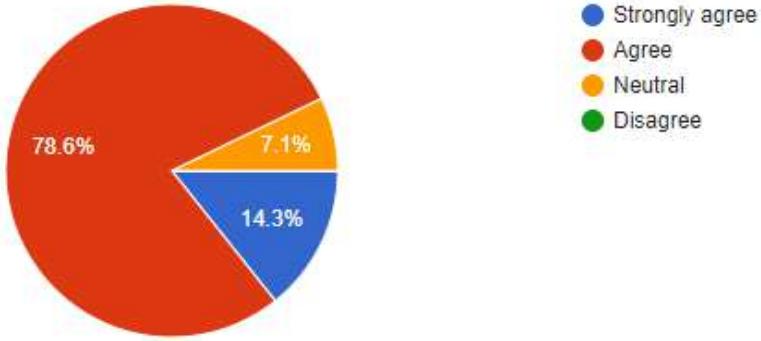
8.I can recognize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and internet productivity with people from diverse backgrounds.

14 responses



9.I am able to evaluate Indian textile market and its global position

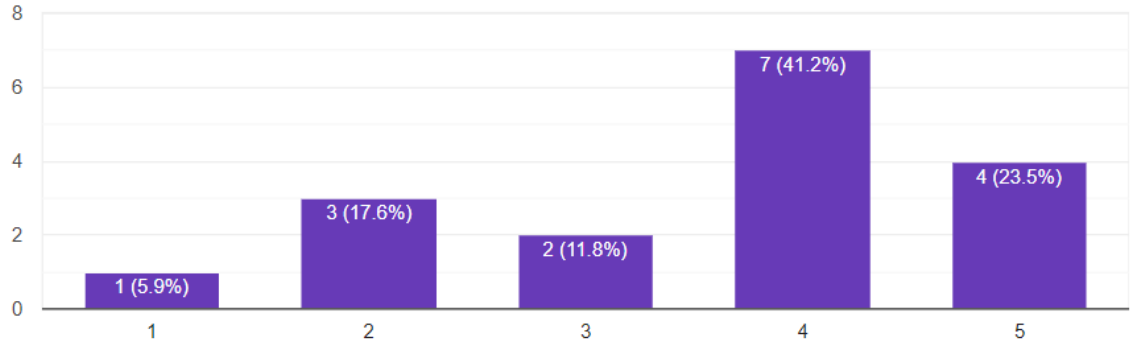
14 responses



FEEDBACK ASSESSMENT OF PSO - PG SYLLABUS

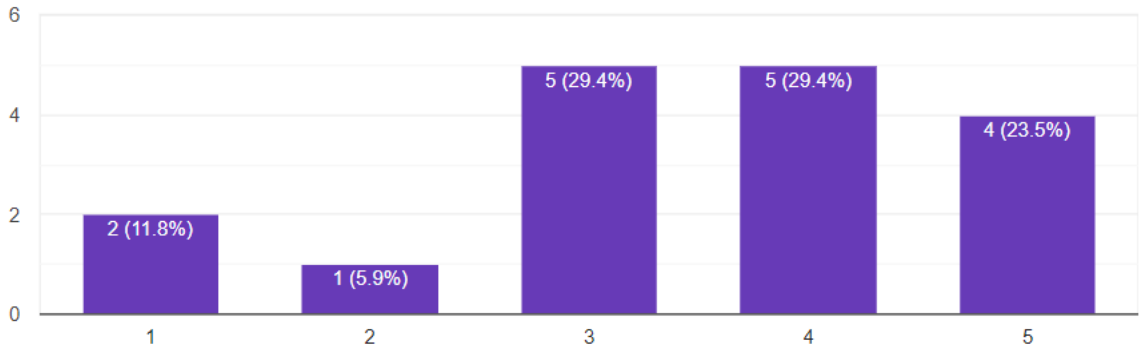
I could apply the theoretical and practical knowledge in nutrition and dietetics in various physiological, therapeutic and special conditions.

17 responses



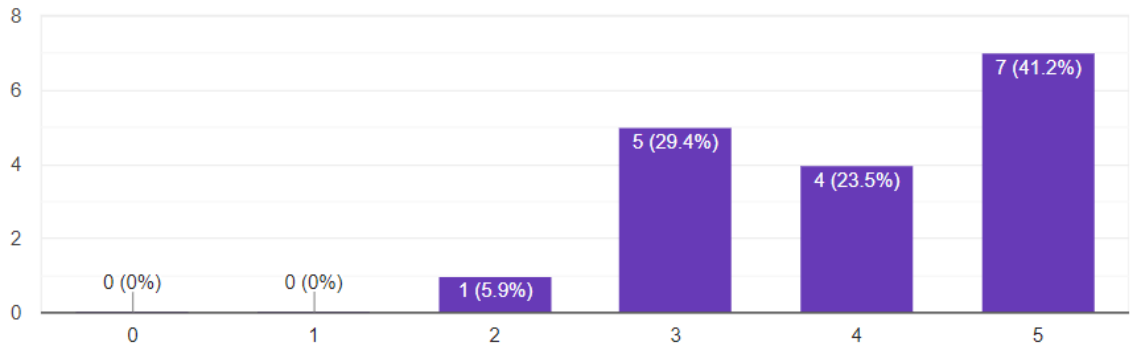
I am able to Communicate effectively in the context of nutrition, both individually and as part of a team for an organisation and community.

17 responses



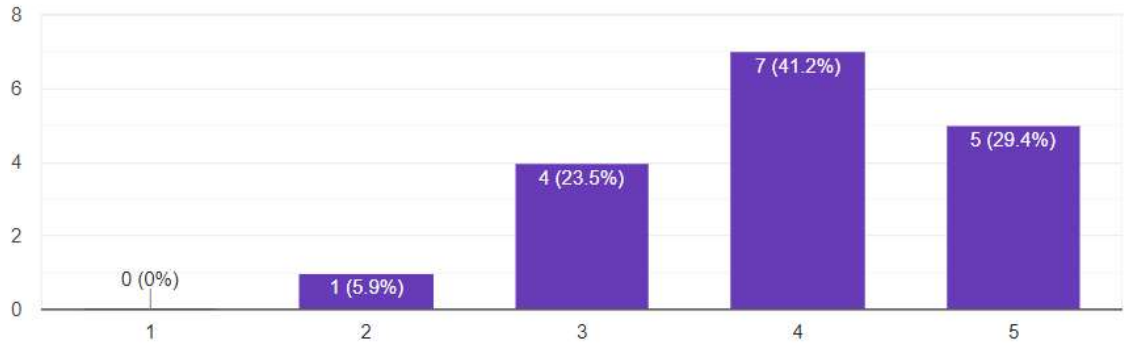
Understood the basic concepts of Food Science, Nutrition, Dietetics, Biochemistry, Food Service management, Microbiology and Entrepreneurship

17 responses



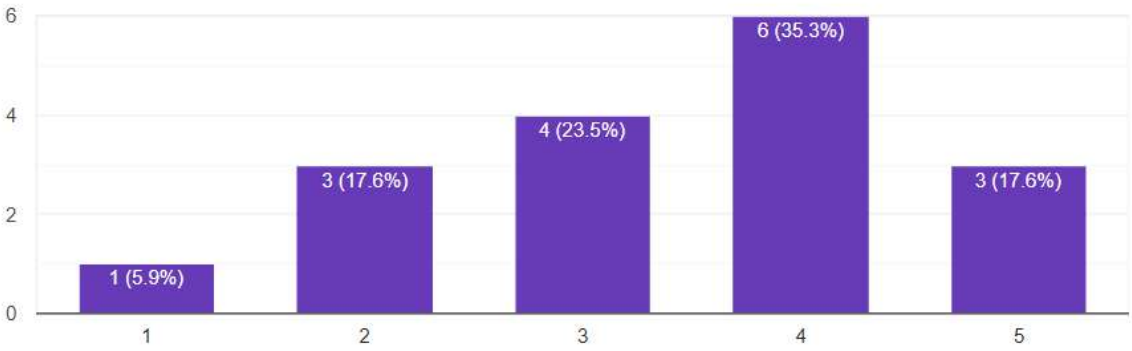
Outline the physiology and anatomy of human organ systems.

17 responses



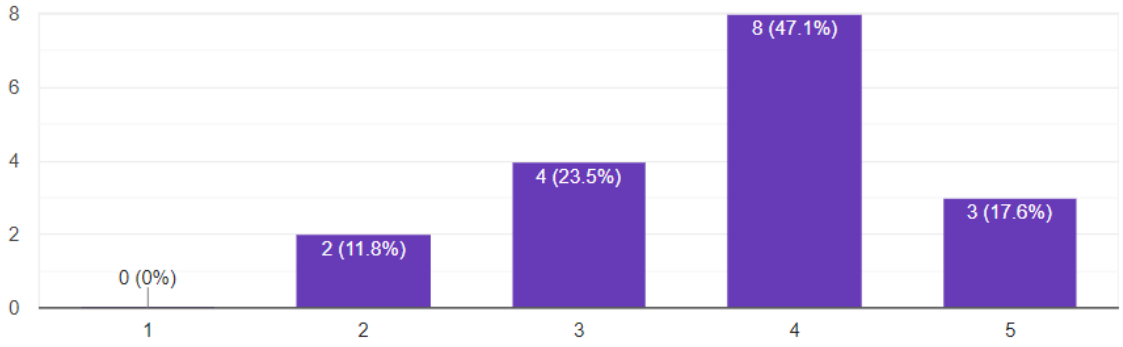
Obtained an insight into theoretical and practical aspects of Food Science

17 responses



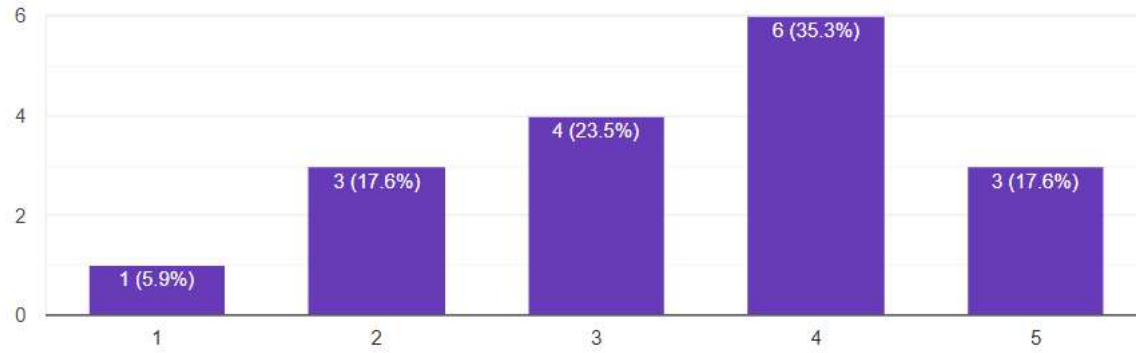
Learned the microbiological and rheological aspects of various food commodities and its applications in food industry

17 responses



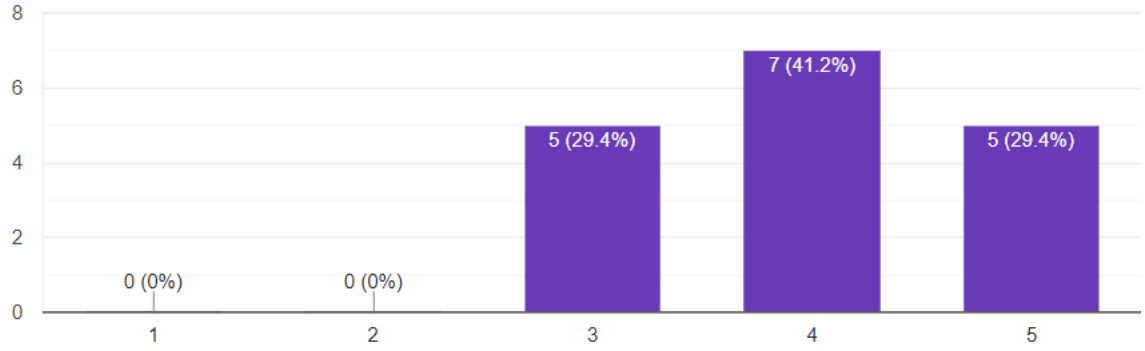
I am able to generate practical advice for athletes.

17 responses



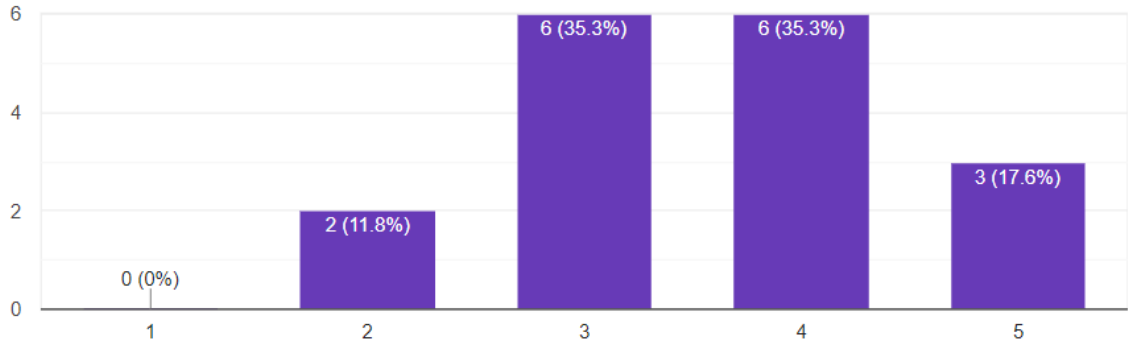
Created abilities for being a successful entrepreneur and to bring awareness regarding the supporting institutions and organisations.

17 responses



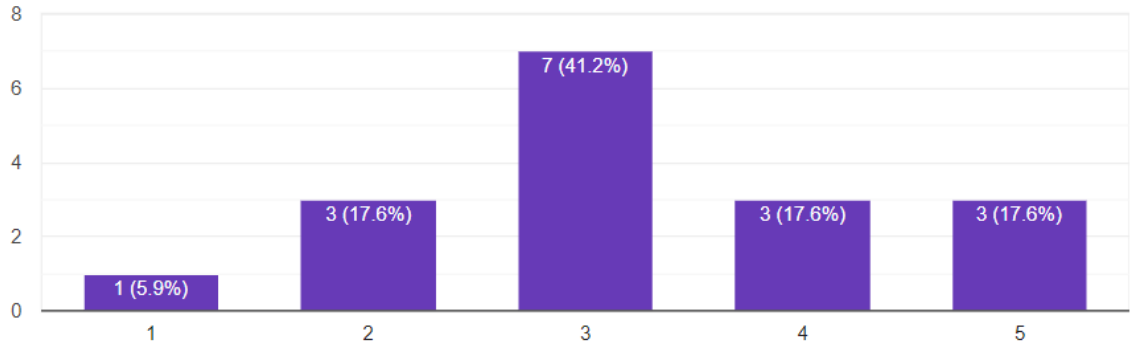
Obtained Professional attributes required to manage the facet of Hospitality Industry, Hospital, Food Industry and Community welfare Organisations

17 responses



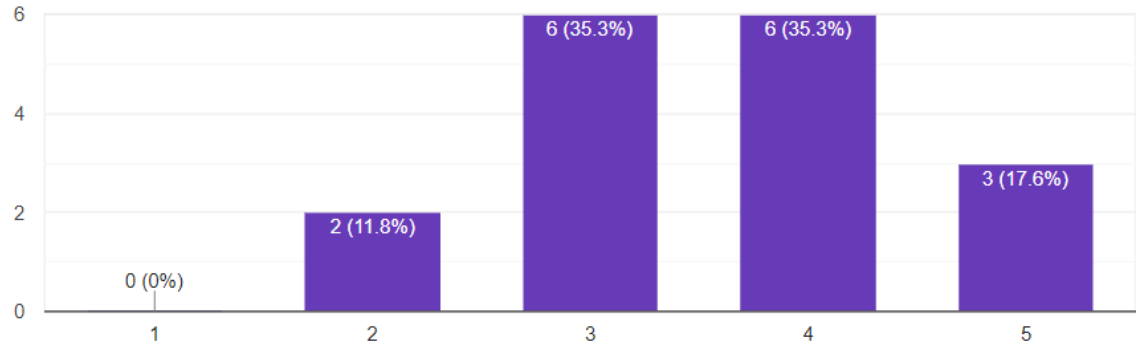
I am able to Recall the metabolic pathways & Critically evaluate the biochemical parameters, pathophysiology and drugs required in various disorders affecting the organ system.

17 responses



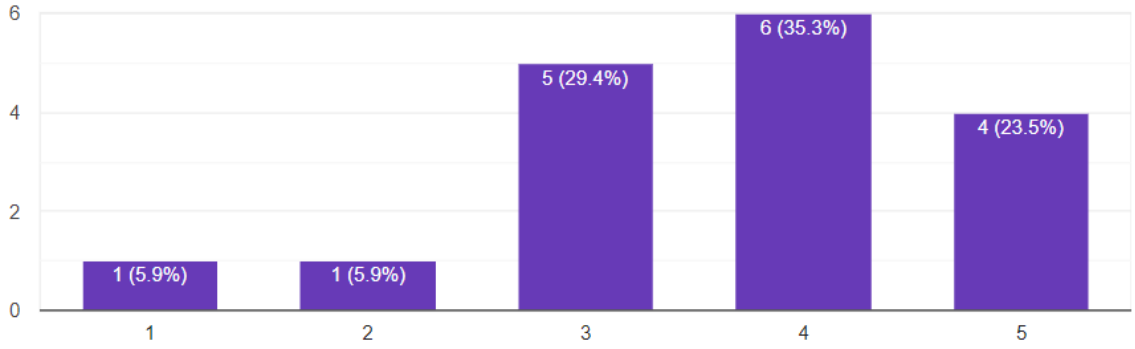
Obtained Professional attributes required to manage the facet of Hospitality Industry, Hospital, Food Industry and Community welfare Organisations

17 responses



Subject related dissertation helped me to know about appropriate research methods, ethical procedures and data analysis.

17 responses



The expected level of attainment for each of the PO.

Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the PO is being attained; and how the results are documented and maintained.

22.4.3. Indicate how the POs have been redefined the past

6.Programme Specific Outcomeswith global relevance for developmental needs

6.1Definition and Validation of Course Outcomes and Programme Specific Outcomes

6.1.1 List the Course Outcomes (COs) and Programme Specific Outcomes (PSOs)

PSO No.	Programme Specific Outcomes	GPO No.
PSO-1	Understand the basic concepts of Human Physiology, biochemistry, microbiology, environment and Human rights.	1,6
PSO-2	Planandprepare dietforhealthy lifestyleusing theprinciplesofFood ScienceandNutrition.	1,6
PSO-3	Understand the principles and patterns of growth and development ofhumans from conceptiontooldageandtheroleoffamilyin development.	1,3
PSO-4	Acquirescientificskillsinthemanagementofresourcesanddevelop basic skills for career options in thefields of dietetics,interiordesigning, textilesandfashiondesigningandpreschooleducation.	1,4
PSO-5	Appreciate the role of Family and Community Science (Home Science) extension in communitydevelopment and to conduct effectiveextensioneducationprogrammesthrough different media.	2,3,4,6
PSO-6	Applytheacquiredconceptualknowledgeoffoodqualityassurance and sustainablewaste managementforholisticliving	4,5
PSO-7	Use concepts, tools and techniques related to Chemistry and Zoology and its application in Family and Community Science (Home Science)	1,6
PSO-LG	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and internet productivity with people from diverse backgrounds.	1,3,4

PG- PSO

IO No.	Intended Programme Specific Outcomes Upon completion of MSc.Dietetics and Food Service Management Programme, the postgraduates will be able to:
PSO-1	Understand the basic concepts of Food Science, Nutrition, Dietetics, Biochemistry, Food Service management, Microbiology and Entrepreneurship
PSO-2	Outline the physiology and anatomy of human organ systems .
PSO-3	Gain an insight into theoretical and practical aspects of Food Science
PSO-4	Apply the theoretical and practical knowledge in nutrition and dietetics in various physiological , therapeutic and special conditions.

PSO-5	Communicate effectively in the context of nutrition, both individually and as part of a team for an organisation and community.
PSO-6	Recall the metabolic pathways & Critically evaluate the biochemical parameters, pathophysiology and drugs required in various disorders affecting the organ system.
PSO-7	Learn the microbiological and rheological spects of various food commodities and its applications in food industry
PSO- 8	Examine current sports nutrition literature and be able to generate practical advice for athelets.
PSO-9	Conduct subject related dissertation using appropriate research methods, ethical procedures and data analysis.
PSO-10	Create abilities for being a successful entrepreneur and to bring awareness regarding the supporting institutions and organisations.
PSO-11	Demonstrate Professional attributes required to manage the facet of Hospitality Industry, Hospital, Food Industry and Community welfare Organisations

6.1.2 State how and where the PSOs are published and disseminated

PSOs are published in the website of the college under the curriculum section, as a printed syllabus and this is disseminated among stakeholders while teaching the syllabus content.

6.1.3 Indicate processes employed for defining PSOs

Periodic discussions are done with the people who do productive job with Home Science degree and post-graduation. Based on their opinion, current scientific knowledge, related national and international graduate outcomes, graduate attributes of NAAC and vision and mission of the college, the PSO s areformed

6.1.4 Indicate how defined PSOs aligned to Graduate Attributes prescribed by UGC

While preparing the PSOs of the programme, the graduate attributes for UG in Family and Community Science prescribed by UGC was referred and was taken as the base for

the PSO formulation.

6.1.5 Establish the correlation between PSOs and Pos

PSO No.	Programme Specific Outcomes	GPO No.
PSO-1	Understandthebasicconcepts of HumanPhysiology,biochemistry, microbiology,environment and Humanrights.	1,6
PSO-2	PlanandpreparedietforhealthylifestyleusingtheprinciplesofFood ScienceandNutrition.	1,6
PSO-3	Understandtheprinciplesandpatterns of growthanddevelopment of humansfromconceptiontooldageandtheroleoffamilyin development.	1,3
PSO-4	Acquirescientificskillsinthemanagementofresourcesanddevelop basic skills for career options in thefields of dietetics,interiordesigning, textilesandfashiondesigningandpreschooleducation.	1,4
PSO-5	Appreciate the role of Family and Community Science (Home Science) extension in communitydevelopment and to conduct effectiveextensioneducationprogrammesthrough different media.	2,3,4,6
PSO-6	Applytheacquiredconceptualknowledgeoffoodqualityassurance and sustainablewaste managementforholisticliving	4,5
PSO-7	Use concepts, tools and techniques related to Chemistry and Zoology and its application in Family and Community Science (Home Science)	1,6
PSO-LG	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and internet productivity with people from diverse backgrounds.	1,3,4

Explain how the defined PSOs of the programme correlate with the POs

6.2 Attainment of Programme Specific Outcomes

6.2.1 Illustrate how Course outcomes (CO) contribute to PSOs

SLNo.	Course	Semester	Relevant PSO No.s
1.	Methodology of Home Science &Food Science (Theory & Practical)	I	1,2,4
2.	Human Physiology &Microbiology (Theory & Practical)	II	1 ,4,3,6
3.	Human Development (Theory & Practical)	III	3,4,5
4.	Family Dynamics (Theory & Practical)	IV	3,5
5.	Interior Decoration(Theory &Practical)	V	4
6.	Human Nutrition & Biochemistry (Theory & Practical)	V	1,2,3
7.	Textile Science	V	4

PG

SEMESTER	Course	RelevantPSONo.s
1	Nutrition and Diet in Health	**1,4**
	Applied Human Physiology	**2**
	Food Facilities Layout and Equipment	**11**
	Advanced Food Science	**1,3,7,11**
	Advanced Food Science Practical	**1,3,7,10,11**
	Dietetics	**4,5,11**
	Biochemical Changes in Diseases	**1,6**
	Nutrition in Special Conditions	**1,4,11**

2	Research Methods & Statistics	**1,9,10**
	Dietetics Practical and Internship	**4**
3	Food Service Management	**1,10,11**
	Quantity Food Preparation & Food Service Techniques	**11**
	Hospitality Administration	**1,3,5**
	Scientific Writing and Project Formulation	**1,9,10**
	Food Service Management Practical and Field Experience	**1,10,11**
4	Public Health Nutrition	**1,5,11**
	Food Microbiology and Sanitation	**1,7,11**
	Nutrition in Sports and Fitness	**1,8,11**
	Entrepreneurship Management	**10,11**
	Public Health Nutrition Practical and Field Work	**5,11**

(Provide the correlation between the course outcomes and the programme specific outcomes. The strength of correlation may also be indicated)

6.2.2 Explain how modes of delivery of courses help in attainment of PSOs

- Well scheduled time table with theory and practical hours for imparting eachcourse.
- Ensuring attendance of students in the class by recording and publishing it and also allotting internal marks for attendance. This will help in making students to attainsPOs
- Assessing the outcome through periodic in semester and end semesterexams.

- Regular result analysis to ensure to what extent the students has imbibed the content of syllabus and intern attainedPSOs.
- Lectures interspersed with discussion, asynchronous mode of interaction, group discussions, projectsetc.

(Describe the different course delivery methods/ modes, e. g. lectures interspersed with discussion, asynchronous mode of interaction, group discussion projects etc., used to deliver the courses and justify the effectiveness of these methods for the attainment of PSOs. This may be further justified using the indirect assessment methods such as course-end surveys.)

6.2.3 Indicate the extent to which the laboratory and project course work are contributing towards the attainment of the PSOs

UG

- 60 percent theory and 40 percent practical–.(3:2)
- The project work done by each student as individual or group, which is related to the programme contributes each student to develop scientific and research outlook and thus towards the attainment ofPSOs.

PG

- Theory80 per cent and 20percentpractical–.(4:1)
- The project work done by each student as an individual, which is related totheprogrammecontributeseachstudenttodevelopscientificandresearchoutlookand thus towards the attainmentof PSOs.

(Justify the balance between theory and practical for the attainment of PSOs. Justify how the various project works (a sample of 20% best and average projects from total projects) carried as part of the programme curriculum contribute towards the attainment of the PSOs.)

6.3 Assessment of the Attainment of Program Specific Outcomes

6.3.1 Describe assessment tools and processes used for assessing the attainment of each PSO

- Specific exam questions, internally developed assessment exams, online quizzes,oral exams and via voce, focus groupsetc.
- An Examination committee functions at the college level with a faculty coordinator from each department (both for PG and UG) to plan, organize and implement the In Semester Examination twice in a Semester. Date of setting question papers, date of examinations and date of return of answer scripts to the students are decided in advance and conveyed to the departments and all the procedures are monitored by the College internal Exam Coordinator. End semester examinations (theory and practical) are the direct assessment method to assess whether all the course outcomes are attained.

6. PG

- Specific exam questions,MCQs, assignments and major seminars, internally developed assessment exams, online
- quizzesoral exams and via voce, focus groupsetc.
- An Examination committee functions at the college level with a faculty coordinator from each department (both for PG and UG) to plan, organize and implement the In Semester Examination twice in a Semester. Date of setting question papers, date of examinations and date of return of answer scripts to the students are decided in advance and conveyed to the departments and all the procedures are monitored by the College internal Exam Coordinator.

Indicate results of assessment of each PSOs

a) The expected level of attainment for each of the program outcomes;

b) Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the programme outcomes are attained; and

c) How the results are documented and maintained.

After publishing the results, hard copy of the results will get from COE; those copies are filed and kept in the department for future purpose.

6.4 Use of Assessment results towards improvement of programme

Oral and written feedback is obtained from students for each subject and about the programme inorder to asses the quality of curriculum.Based on the assess,ent of feedback takenjh proper corrective measures are done.

(Articulate, with rationale, how the results of the evaluation of the PSOs have been used to review/redefine the PSOs)

7. Program Curriculum

7.1 Curriculum

7.1.1 Describe the Structure of the Curriculum

UG-Programme

GPO No.	Graduate Programme Outcomes
1	**Critical Thinking**: Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them
2	**Effective Communication:** Demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts
3	**Social Interaction:** Foster social skills and peer interaction enabling them to make all people feel valued and respect their differences by being responsible citizens for creating a socially inclusive society
4	**Ethical Standards:** Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions
5	**Environmental Consciousness:** Discern the issues of environmental contexts and engages in promoting values and attitudes that claim coexistence and sustainable living with reduced, minimal, or no harm upon ecosystems

6	**Lifelong Learning:** Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment

7.11 PG

GPO No.	Graduate Programme Outcomes
GPO.1	**Critical Thinking**: Ability to engage in independent and reflective thinking in order to understand logic connections between ideas.
GPO.2	**Effective Communication:** Development of communication skills for effectively transmitting and receiving information that focuses on acquiring knowledge, problem solving, improving on arguments and theories thereby paving the way for better employability and entrepreneurship.
GPO.3	**Social Consciousness:** Acquire awareness towards gender, environment, sustainability, human values and professional ethics and understand the difference between acting, responding and reacting to various social issues.
GPO.4	**Multidisciplinary Approach:** Combining various academic disciplines and professional specializations to cross borders and redefine problems in order to explore solutions based on the new understanding of complexsituations.
GPO.5	**Subject Knowledge:** Acquiring knowledge at a higher level that would help develop the necessary skills, fuel the desire to learn and contribute to the field of expertise thereby providing valuable insights into learning and professional networking with the aim of catering to the local, national and global developmentalneeds.
GPO.6	**Lifelong Learning**: Understanding the necessity of being a lifelong learner for personal enrichment, professional advancement and effective participation in social and political life in a rapidly changing world.

PSO No.	PROGRAMME SPECIFIC OUTCOMES (PSO)	CO No.
1	Understand the basic concepts of Human Physiology, biochemistry, microbiology, environment and Human rights.	1,6
2	Plan and prepare diet for healthy life style using the principles of Food Science and Nutrition.	1,6
3	Understand the principles and patterns of growth and development of humans from conception to old age and the role of family in development.	1,3
4	Acquire scientific skills in the management of resources and develop basic skills for career options in the fields of dietetics, interior designing, textiles and fashion designing and preschool education.	1,4
	Appreciate the role of Family and Community Science (Home Science) extension in community development and to conduct effective extension education programmes through different media.	2,3,4,6
6	Apply the acquired conceptual knowledge of food quality assurance and sustainable waste management for holistic living	4,5
7	Use concepts, tools and techniques related to Chemistry and Zoology and its application in Family and Community Science (HomeScience)	1,6
8	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and internet productivity with people from diversebackgrounds.	1,3,4

IO No.	Intended Programme Specific Outcomes Upon completion of MSc.Dietetics and Food Service Management Programme, the postgraduates will be able to:
PSO-1	Understand the basic concepts of Food Science, Nutrition, Dietetics, Biochemistry, Food Service management, Microbiology and Entrepreneurship
PSO-2	Outline the physiology and anatomy of human organ systems .
PSO-3	Gain an insight into theoretical and practical aspects of Food Science

PSO-4	Apply the theoretical and practical knowledge in nutrition and dietetics in various physiological , therapeutic and special conditions.
PSO-5	Communicate effectively in the context of nutrition, both individually and as part of a team for an organisation and community.
PSO-6	Recall the metabolic pathways & Critically evaluate the biochemical parameters, pathophysiology and drugs required in various disorders affecting the organ system.
PSO-7	Learn the microbiological and rheological spects of various food commodities and its applications in food industry
PSO- 8	Examine current sports nutrition literature and be able to generate practical advice for athelets.
PSO-9	Conduct subject related dissertation using appropriate research methods, ethical procedures and data analysis.
PSO-10	Create abilities for being a successful entrepreneur and to bring awareness regarding the supporting institutions and organisations.
PSO-11	Demonstrate Professional attributes required to manage the facet of Hospitality Industry, Hospital, Food Industry and Community welfare Organisations

(List the course outcomes of the courses in programme curriculum and programme specific outcomes of the programme under accreditation)

7.1.2 Justify how the program curriculum satisfies the program specific outcomes

7.2 State components of Curriculum and their relevance to PSOs and Pos

UG

PSO No.	**Details**
1	Core subjects of Semester II deals with Human Physiology and Microbiology. Environment Studies for Community Living& Human Rights is a subject in Semester V
2	The Core course Semester VI and Open Course in Semester Vdeals with principles of Food Science & Nutrition
3	Life Cycle Stages are dealt with in the core subject of Semester III

4	The core subjects in the semesters V & VI develop basic skills for various careers.
5	Extension & Communication is a core subject in Semester VI
6	Food safety is an elective subject in Semester VI acquire conceptual knowledge food quality assurance
7	The curriculum includes Chemistry & Zoology as subsidiarysubjects in Year I & II
8	The Curriculum focuses on developing effective communication Skills for conducting extension programmes.

Sl No.	**Semester**	**Core Course**	**Related PSO No.**
1	I	Methodology of Home Science & Food Science (Theory & Practical)	2
2	II	Human Physiology & Microbiology (Theory & Practical)	1
3	III	Human Development (Theory & Practical)	3
4	IV	Family Dynamics (Theory & Practical)	3
5	V	Interior Decoration (Theory & Practical)	4
6	V	Human Nutrition & Biochemistry (Theory & Practical)	2
7	V	Textile Science (Theory & Practical)	4
8	V	Environmental Studies for Community Living & Human Rights	1
9	V	Nutrition for Wellness	2
10	VI	Family Resource Management (Theory & Practical)	4
11	VI	Clinical Nutrition & Dietetics (Theory & Practical)	2
12	VI	Fashion Designing & Apparel Production (Theory & Practical)	4
13	VI	Extension & Communication (Theory & Practical)	5,6,8
14	VI	Food Safety	6

CourseSyllabus:

http://cmscollege.ac.in/wp-content/uploads/2018/05/UG-Home-Science-2018.pdf

PG 7.2

PSO No.	Details
PSO-1	Understand the basic concepts of Food Science, Nutrition, Dietetics, Biochemistry, Food Service management, Microbiology andEntrepreneurship in semester 1I,II and IV
PSO-2	The core subject physiology and anatomy of human organ systems.are learned in semester I
PSO-3	Gain an insight into theoretical and practical aspects of Food Science in semester II
PSO-4	Theoretical and practical knowledge in nutrition and dietetics in various physiological, therapeutic and specialconditions semester II and IV
PSO-5	Communicate effectively in the context of nutrition, both individually and as part of a team for an organisation and community semester II and IV
PSO-6	The metabolic pathways & Critically evaluate the biochemical parameters, pathophysiology and drugs required in various disorders affecting the organ system were discussed in semester II
PSO-7	Learn the microbiological and rheological aspects ofvarious food commodities and its applications in food industry in semester IV
PSO- 8	Examine current sports nutrition literature and be able to generate practical advice for athletes semester IV
PSO-9	Conduct subject related dissertation using appropriate research methods, ethical procedures and data analysis in semester II
PSO-10	Create abilities for being a successful entrepreneur and to bring awareness regarding the supporting institutions and Organisations in semester II and IV
PSO-11	Demonstrate Professional attributes required to manage the facet of Hospitality Industry, Hospital, Food Industry and Community welfare Organisations semester II and IV

Sl No	SEMESTER	Courses	RelevantPSONo.s
1	**I**	Nutrition and Diet in Health	**1,4**
2		Applied Human Physiology	**2**
3		Food Facilities Layout and Equipment	**11**
4		Advanced Food Science	**1,3,7,11**
5		Advanced Food Science Practical	**1,3,7,10,11**
6	**II**	Dietetics	**4,5,11**
7		Biochemical Changes in Diseases	**1,6**
8		Nutrition in Special Conditions	**1,4,11**
9		Research Methods & Statistics	**1,9,10**
10		Dietetics Practical and Internship	**4**
11	**III**	Food Service Management	**1,10,11**
12		Quantity Food Preparation & Food Service Techniques	**11**
13		Hospitality Administration	**1,3,5**
14		Scientific Writing and Project Formulation	**1,9,10**
15		Food Service Management Practical and Field Experience	**1,10,11**
16		Public Health Nutrition	**1,5,11**
17		Food Microbiology and Sanitation	**1,7,11**

18	**IV**	Nutrition in Sports and Fitness	**1,8,11**
19		Entrepreneurship Management	**10,11**
20		Public Health Nutrition Practical and Field Work	**5,11**

http://cmscollege.ac.in/wp-content/uploads/2019/06/M.Sc_.-Dietetics-and-Food-Service-Management.pdf

(Program curriculum grouping based on different components).

7.3 State Core subjects and their relevance to Program outcomes

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Sl No.	**Semester**	**Core Course**	**Related PSO No.**
1	I	Methodology of Home Science & Food Science (Theory & Practical)	2
2	II	Human Physiology & Microbiology (Theory & Practical)	1
3	III	Human Development (Theory & Practical)	3
4	IV	Family Dynamics (Theory & Practical)	3
5	V	Interior Decoration (Theory & Practical)	4
6	V	Human Nutrition & Biochemistry (Theory & Practical)	2
7	V	Textile Science (Theory & Practical)	4
8	V	Environmental Studies for Community Living & Human Rights	1
9	V	Nutrition for Wellness	2
10	VI	Family Resource Management (Theory & Practical)	4
11	VI	Clinical Nutrition & Dietetics (Theory & Practical)	2
12	VI	Fashion Designing & Apparel Production (Theory & Practical)	4
13	VI	Extension & Communication (Theory & Practical)	5,6,8
14	VI	Food Safety	6

CourseSyllabus:

http://cmscollege.ac.in/wp-content/uploads/2018/05/UG-Home-Science-2018.pdf

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Sl No	SEMESTER	Courses	RelevantPSONo.s
1	**I**	Nutrition and Diet in Health	**1,4**
2		Applied Human Physiology	**2**
3		Food Facilities Layout and Equipment	**11**
4		Advanced Food Science	**1,3,7,11**
5		Advanced Food Science Practical	**1,3,7,10,11**
6	**II**	Dietetics	**4,5,11**
7		Biochemical Changes in Diseases	**1,6**
8		Nutrition in Special Conditions	**1,4,11**
9		Research Methods & Statistics	**1,9,10**
10		Dietetics Practical and Internship	**4**
11	**III**	Food Service Management	**1,10,11**
12		Quantity Food Preparation & Food Service Techniques	**11**
13		Hospitality Administration	**1,3,5**
14		Scientific Writing and Project Formulation	**1,9,10**
15		Food Service Management Practical and Field Experience	**1,10,11**
16		Public Health Nutrition	**1,5,11**
17		Food Microbiology and Sanitation	**1,7,11**

18	**IV**	Nutrition in Sports and Fitness	**1,8,11**
19		Entrepreneurship Management	**10,11**
20		Public Health Nutrition Practical and Field Work	**5,11**

http://cmscollege.ac.in/wp-content/uploads/2019/06/M.Sc_.-Dietetics-and-Food-Service-Management.pdf

7.4 Course Syllabus

(Include, in appendix, a syllabus for each course used. Syllabi format should be consistent and shouldn't exceed two pages.)

The syllabi format may include

- Department, course number, and title of course

UG

Sl. No	**Coursetype**	**No.ofcourses**
1	Common course I-English	6
2	Common course II– Additional language	4
3	Core	12
4	Core Practical	12
5	Complementary I	4
6	Complementary IPractical	4
7	Complementary II	4
8	Complementary IIPractical	4
9	Choice based Open course	1
10	Choice basedelective	1
11	Project work	1
Total	**53**	

- Designation as a required or elective course
- Pre-requisites
- Contact hours and type of course (lecture, tutorial, seminar, project etc.)
- Course Assessment methods (both continuous and semester end assessment)
- Course outcomes
- Text books, and/or reference material

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Sl.No	Course Type	No.of Courses	Total Credits
1	Core Course	12	48
2	Core Practical	3	6
3	Elective Courses	4	16
4	Elective Practical	1	3
5	Viva Voice	1	3
6	Dissertation	1	4
	Total	**22**	**80**
Sl.No	**Course Type**	**No.of Courses**	**Total Credits**
1	Core Course	12	48
2	Core Practical	3	6
3	Elective Courses	4	16
4	Elective Practical	1	3
5	Viva Voice	1	3
6	Dissertation	1	4
	Total	**22**	**80**

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7.5 Illustrate the measures and processes used to identify the curricular gaps to the attainment of the COs/PSOswith global relevance for developmental needs.

Organizing curriculum that reflects the experience of the students

- Meetings with stakeholders and other professionals in the related career field are conducted for consultation regarding amendments in thecurriculum.
- Feedback of alumni regarding the practicality of thecurriculum.
- Assessment on the basis of contemporary relevance and opinion ofrecruiters
- Assessment of student performance in varioussubjects.
- The decisions are finalized in the Board of Studies Meeting held with the member

7.5.1 Syllabi revision –No: of programs added/dropped year wise.

Post Graduate Course

Year of Introduction of the programme	If revision has been carried out in the syllabus during last 5 years	Year of revision	Title and code of the course added	Title and code of the course dropped	Percentage of Syllabus content added or replaced	Link of the relevant document
		2019			10	

(Link of relevant document, Academic Council meeting minutes)

Year of Introduction of the programme	If revision has been carried out in the syllabus during last 5 years	Year of revision	Title and code of the course added	Title and code of the course dropped	Percentage of Syllabus content added or replaced	Link of the relevant document
		2019	NIL	NIL	10	NA

7.6 Vertical mobility of programmes

Internal assessments are conducted by means of Attendance, Seminars/ Assignments, internal exams. Internal Exams are conducted in every semester. The final theory exams and practical exams are held at the end of each semester. Based on the results students are promoted

(Explain how and when mobility windows are provided during the course of a programme, how the students benefited the vertical mobility of programmes, what are the challenges and limitations etc.)

7.7 Indicate the content beyond syllabus imparted for the attainment of the COs/PSOs

Indicate the content beyond syllabus imparted for the attainment of theCOs/PSOs

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Sl no.	**PSO No.**	**Details**
1.	3,5	Visits to old age homes, school for special / differently abled children, Anganwadis to gain an insight on community living.
2.	8,4	Organization of exhibitions, awareness programmes, rallies, other programmes to impart education on socially relevant issues.
3.	2,4	Preparation of Healthy and Nutritious food products for sale in various college events.
4.	6	Training Sessions on Food Quality parameters- HACCP , Agmarketc.
5.	1,5,8	Seminars , webinars and conferences are conducted from time to timeby renowned resource persons such as Doctors, Dieticians,Medical

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Sl no.	PSO No.	Details
1.	5	Visits toAnganwadis and inner regions of kottayamdistto gain an insight on community living.

2.	4,5,11	Organization of exhibitions, awareness programmes, rallies, other programmes to impart education on socially relevant issues.
3.	1,3	Preparation of Healthy and Nutritious food products for sale in various college events.
4.	1,2,3,4	Training Sessions on diet councelling, diet calculations, food biochemistry analysis.
5.	2,8,9,,10,11	Seminars , webinars and conferences are conducted from time to timeby renowned resource persons such as Doctors, Dieticians,Medical
		Experts, Psychologists, experts from related organisations, etc. Group and association activities, demonstrations, workshopsetc.
6.	5,8	Commemoration of various International Days (such s AIDS Day, World Breastfeeding Week, National Nutrition Week etc.) with activities such as poster designing competitions, awareness rally, awareness classes
7		certificate course programmes and value added courses

(Details of content beyond syllabus imparted for the attainment of the COs/PSOs. This information may be provided course wise or modular wise)

7.8 Percentage of courses having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations for the last 5 years

Note: Calculate the percentage for courses addressing each issue separately.

7.8.1 **UG programme**[$]

$$\text{Percentage} = \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$$

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations
B.Sc Family and Community Science	Issues that Matter	EN18125 03	
	Human Development	HS18131	, Human values &community orientations

		03	
	Human Development(Practical)	HS18136 03	**, Human values &community orientations**
	Family Dynamics	HS18146 04	Current issue affecting family and child development Identify the critical family situations
	Family Dynamics(Practical)	HS18146 04	Visit to old age home – develop a sense of responsibility towards destitute and elderly.
	Environment Studies for Community Living and Human Rights (Practical)	HS18156 08	**Gender, Environment & sustainability, Human values and community orientations** Understand the need for Conserving the environment and become responsible citizenS
	Extension Education & Communication	HS18161 12	community orientation 'Effectivelybringaboutextensioneducationamongthemembers ofallcommunities
	Extension Education & Communication (practical)	HS18163 06	c ommunity orientation

[$] If there are more than one UG programme in a department, provide the data and the percentage for them separately.

7.8.2 PG Programme

Formula:

Percentage $= \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$

NameoftheProgram	**NameoftheCourse**	**CourseCode**	**ActivitieswithdirectfocusonGender, Environment &sustainability, Human values& professional ethics andcommunity orientations**
MSc. Dietetics &Food	PublicHealthNutrition	HSDF4ET01	Study of organizationsdealingwithcommunity health.
	NutritionforSports&Nutrition	HSDF4ET03	Module1Motivationfor Healthlifestyleinwomen

ServiceManagement	EntrepreneurshipManagement	HSDF4ET04	Module2:Women& Entrepreneurship
	Public Health Nutrition(Practical)	HSDF4EP05	Study of various institutionsofferingsupport forwomen

If there are more than one PG programme in a department, provide the data and the percentage for them separately.

7.9 New courses introduced:Certificate/Diploma, Twinning/Dual Degree Programme, Double Main/Triple Main, Open Courses, etc.

Name of the course	Year of Introduction	Aided/ Self-financing	Relevance to PSO and POs
Nutrition for wellness	2018	Aided	2,4
1. DBT Star college Scheme sponsored credit-based course on Creative Arts and Environment Management.(March 2021) **Beneficiaries – Third BSc.Students of Family &Community Science**	2020		1,4
2. DBT Star College Scheme sponsored credit-based course on Safe Food Production for Health and Immunity. .(March 2021) **Beneficiaries – Third BSc.Students**	2020		6

of Family &Community Science			
3. DBT Star college Scheme sponsored credit-based course on Construction and Embellishment of basic Kids Garments.(March 2021) **Beneficiaries – Third BSc.Students of Family &Community Science**	2020		1,4
4. Value – added course on Bakery and Confectionary (2019-2020) **Beneficieries-BSc.degree students** **(1st,2nd and 3rd year)**	2019		1,4

(Documents of course approval or tie up if any,Minutes of AC/BOS)

7.10 Number of programmes withCBCS/elective course system implemented year wise

Name of the programme	Title and code of the elective course	Number of hours and credit of the course	Relevance to POs and PSOs.

B.Sc Family and Community Science	Food Safety HS1816306	25 hrs 21 credits	1,6

(Minutes of the BOS)

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Name of the programme	**Title and code of the elective course**	**Number of hours and credit of the course**	**Relevance to POs and PSOs.**
B.Sc Family and Community Science	Food Safety HS1816306	25 hrs 21 credits	1,6
M.ScDIETETICS AND FOOD SERVICE MANAGEMENT	HS1924301 **PUBLIC HEALTH NUTRITION**	90	1,5,11
	HS1924302 **FOOD MICROBIOLOGY AND SANITATION**	90	1,7,11
	HS1924303**NUTRITION FOR SPORTS AND FITNESS**	90	1,8,11
	HS1924304 **ENTREPRENEURSHIP DEVELOPMENT**	72	10,11

7.11 Number of value-added courses (with 30 or more contact hours) imparting transferable and life skills offered & percentage of students enrolled in those courses during the previous academic year

Formula:

Percentage of students enrolled in value added courses = $\frac{\text{Number of students enrolled in the courses in the last 3 years}}{\text{Total number of courses in all programmes}} \times 100$

Year -				
Name of the value added courses (with 30 or more contact hours)offered during last 5 years	**Course Code**	**No. of times offered during the same year**	**Number of students enrolled in the year**	**Number of Students completing the course in the year**
Bakery and confectionary		**3**	**70**	**70**

7.12 Employability/ entrepreneurship / skill development

7.12.1 Percentage of courses in UG programme having focus on employability / entrepreneurship / skill development for the last 3 years¶

Percentage =Number of courses with focus on employability / entrepreneurship / skill development / Total number of courses in the UG programme $\times 100$

Name of the Program	**Name of the Course**	**Year of introduction**	**Year of discontinuation**	**Activities with direct bearing on Employability/ Entrepreneurship/ Skill development**
BSc. Family & Communi	Family Resource Management (Theory & Practical)	2017	-	Proper Management of Time, Money and budget preparation etc. in the course

ty Science	Interior Decoration (Theory & Practical)	2017	-	Acquire skills in preparation of crafts and designing of interiors
	Fashion Designing & Apparel Production (Theory & Practical)	2017	-	Equip students to create unique designs in fashion industry and gain self employment
	Clinical Nutrition & Dietetics (Theory & Practical)	2017	-	Employment as dietitians/ diet assistants in hospitals

¶ If there are more than one UG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

7.12.2 Percentage of courses in PG programme having focus on employability / entrepreneurship / skill development for the last 3 years¶

Formula:

$$\text{Percentage} = \frac{\text{Number of courses with focus on employability / entrepreneurship / skill development}}{\text{Total number of courses in the UG programme}} \times 100$$

Name of the Program	Name of the Course	Year of introduction	Year of discontinuation	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	
MSc. Dietetics& FoodService Management	Entrepreneurship Management	2012	-		Skilldevelopmentingainingemployment in variousfields
	NutritionforSports& Fitness		-		ExperienceasNutritionistsinsports&fitnessindustry
	FoodMicrobiology& Sanitation	2012	-		Gainaninsightonfoodsafetystandards and attain skills to work in industries asfoodqualitycontrollers

	Dietetics(Theory& Practical)		-		InternshipinDieteticsgivesahandson trainingasDietCounselors/Nutritionist s
	FoodService Management(Theory &Practical)	2012	-		InternshipinFoodServiceManagemen t givesa handsontraininginhospitalityand foodservice.

¶ If there are more than one PG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

7.13 Industry interaction/internship

7.13.1 Percentage of UG students undertaking field projects/internships in other institutions

Formula:

$$\frac{\text{Number of UG students undertaking field projects or internships}}{\text{Total number of UG students}} \times 100$$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out

7.13.2 Percentage of PG students undertaking field projects/internships in other institutions

Formula:

$$\frac{\text{Number of PG students undertaking field projects or internships}}{\text{Total number of PG students}} \times 100$$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out
2,3,4	**Anjali soman**	6	6	Zuri hotel ,kumarakom
	Akshaya v			Anganwadi,puthiyatrikovil,k ottayam

	Lakshmi s nair			Believer's hospital Thiruvalla
	Nova james			MIMS hospital calicut
	Susan			Thiruvaarppugramapuncha yathu ,kottayam
	Renjini			
	Anumolanthrayos			Aster med city,cochi
	Arunima k anil			Rajagiri hospital cochi
	Maneesha v r	5	5	Zurihotel,kumarakom
	Merit raju			Kariyilgramapunchayath,kottayam
	Sharanya john			KVK kottayam
	AmiluSalim Aparna V R Asifa M S ChandhiniBiju Elizabeth Justin Jincy Joy KeerthySubrhamanyan Krishna T K Leah AnnaAbraham LincyLiyochan Liza Benny Merin Roy M Merlin Mary Babu			Believer's hospital Thiruvalla Institute of health intelligence and research Neloor,AP
	Minnu Alex Revathy G M Sreelakshmi P Thampy Sruthy Roy Sruthy S VidyaSahu	19	19	Aymanam gramapunchayath

8 Result andStudents Performance

8.1 Success Rate (Result)

Formula:

$$\text{Pass percentage} = \frac{\text{Total number of students who passed the course examination in a year}}{\text{Total number of students appeared for the course examination in a year}} \times 100$$

UG Main Courses

Year	Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade						
						A+	A	B	C	D	E	F
2018 - 2019	semester VI	**HS16118 FAMILY RESOURCE MANAGMENT**	30	27	90	3	7	6	4	7	--	3
	semester VI	**HS16119 INTERIOR DECORATION AND FAMILY RESOURCE MANAGEMENT (P)**	30	30	100	1	13	9	6	1	--	--
	semester VI	**HS16120 CLINICAL NUTRITION AND DIETETICS**	30	30	100		9	5	2	5	7	2
	semester VI	**HS16121 HUMAN NUTRITION AND BIOCHEMISTRY AND CLINICAL NUTRITION AND DIETETICS (P)** Grade	30	30	100	4	6	9	6	4	1	--
	semester VI	**HS16122 FASHION DESIGNING AND APPAREL PRODUCTION**	30	28		3	6	5	4	6	4	2
	semester VI	**HS16123 TEXTILE SCIENCE AND FASHION DESIGNING AND APPAREL PRODUCTION**	30	30		1	10	8	9	2	--	--

		(P) Grade										
	semester VI	**HS16124 MASS COMMUNICATION AND JOURNALISM**	30	29			7	6	8	5	3	1
	semester VI	**HS16125 DYNAMICS OF EXTENSION AND MASS COMMUNICATION AND JOURNALISM**	30	30	100	3	7	9	9	1	1	--
	semester VI	**FOOD QUALITY ASSURANCE HS16326**	30	25		2	3	8	1	6	5	5
	semester VI	**project**	30	30	100	4	17	9				
2019 - 2020												

Year	**Semester**	**Course title and code**	**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**	**Number of students with grade**							
						A+	A	B+	B	C	D	E	F

		HS1716109 FAMILY RESOURCE MANAGEMENT	24	21	--	1	1	5	5	8	1		3
		HS1716110 CLINICAL NUTRITION AND DIETETICS	24	17				1	7	4	5		7
		HS1716111 FASHION DESIGNING AND APPAREL PRODUCTION	24	21			1	3	8		3	4	5
		HS1716112 EXTENSION EDUCATION AND DEVELOPMENTAL COMMUNICATION	24	21				5	7		2		5
		HS1716301 FOOD SAFETY	24	18				1	5	9	3		6
		HS1716603 INTERIOR DECORATION AND FAMILY RESOURCE MANAGEMENT(P)	24	23		2	5	7	7	2			1

		HS1716604 BIOCHEMISTRY, CLINICAL NUTRITION AND DIETETICS (P)	24	23		1	4	5	7	6			1
		HS1716605 TEXTILE SCIENCE AND FASHION DESIGNING AND APPAREL PRODUCTION (P)	24	23		2		12	5	4			1
		HS1716606 ENVIRONMENTAL STUDIES AND EXTENSION EDUCATION (P)	24	23			2	5	8	7	1		1
		HS1716801 PROJECT WORK	24	23				10	13				1
2020 - 2021													

UG Subsidiary Courses

YEAR	Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade						
						A+	A	B	C	D	E	F
2016 Admissions (2018-2019)	SEMESTER IV	**CH14214 ADVANCED BIO ORGANIC CHEMISTRY**	30	22	73			5	3	3	11	8
		CH14215 ORGANIC CHEMISTRY	30	30	100	22	5	3				

		PRACTICALS										
		ZY14215 APPLIED ZOOLOGY	30	29	96	2	11	4	6	3	3	1
		ZY14216 HUMAN PHYSIOLOGY AND IMMUNOLOGY AND APPLIED ZOOLOGY (P)	30	30	100	7	5	9	7	2		
2017 Admissions 2019-2020	SEMESTER IV	**CH1714204 ADVANCED BIO ORGANIC CHEMISTRY**	25	19			1	2	4	7	5	6
		CH1714702 ORGANIC CHEMISTRY (P)	25	24		S	A+	A	B+	B	C	D	E	F
						6	7	6	3	1		1		1
		ZY1714204 APPLIED ZOOLOGY	25	17				1		6	6	4		8
		ZY1714702 PHYSIOLOGY AND IMMUNOLOGY AND APPLIED ZOOLOGY (P)	25	24			2	10	7	2	3			1
2018 Admissions	SEMESTER IV	**CH1814204 ADVANCED BIO ORGANIC CHEMISTRY**	22	21				3	2	6	4	6		1
		CH1814702 ORGANIC CHEMISTRY (P)	22	22	100	9	7	4	1	1				

		ZY1814702 PHYSIOLOGY AND IMMUNOLOGY AND APPLIED ZOOLOGY (P)	22	22		4	15	2	1					

UG Open Courses

YEAR	Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with Grade						
						A	B+	B	C	D	E	F
2017 Admissions	SEMESTER V	**BY1715401 AGRI-BASED MICROENTERPRISES**	4	4	100		1		1	1		

		CH1715401 FORENSIC SCIENCE	7	7	100		3	1	3			
		CM1715401 CAPITAL MARKET AND INVESTMENT MANAGEMENT	2	1						1`		2
		HY1715401 SOCIAL IMPLICATIONS OF MODERN REVOLUTIONS	1	1	100					1		
		ML1715401 PATHRAPRAVARTHANAM Grade	6	6	100	1	1	2	2			
		ZY1715401 VOCATIONAL ZOOLOGY (APICULTURE,VERMICULTURE AND ORNAMENTAL FISH CULTURE)	3	3	100	1			1	1		
2018 Admissions	semester v	**BY1815401 AGRI-BASED MICROENTERPRISES**	11	11	100		2	2	3	2	3	
		CH1815401 FORENSIC SCIENCE	8	8	100	2	4	2				
		ML1815401 PATHRAPRAVARTHANAM	1	1	100			1				
		PE1815401 PHYSICAL HEALTH AND LIFE SKILLS EDUCATION	1	1	100	1						
		ZY1815401 VOCATIONAL ZOOLOGY (APICULTURE,VERMICULTURE AND ORNAMENTAL FISH CULTURE)	1	1	100			1				

UG Common Courses

YEAR	Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
						A+	A	B+	B	C	D	E	F
2016 Admissions	semester IV	**EN14515 EVOLUTION OF THE PHILOSOPHY OF SCIENCE: LITERARY PERSPECTIVES**	30	24			2		2	5	9	6	6
2017 Admissions	semester IV	**EN1714507 ILLUMINATIONS**	25	20				2	4	8			
2018 Admissions	Semester IV	**EN1814507 ILLUMINATIONS**	22	21		1	2	6	4	6	2		1
2019 Admissions	SEMESTER I	**EN1811501 Fine-tune Your English** Grade	25	21			3	6	5	6	1		4
2019 Admissions	SEM I	**Pearls from the Deep**	25	16				4	6	5	1		9
2019 Admissions	SEM II	**EN1812503 Issues that Matter** Grade	25	18			1	3	5	7	1		8
2019 Admissions	semester III	**EN1813505 Literature and/ as Identity** Grade	23	15		3	2	1	4	3	2		8

UG Additional Language Courses

YEAR	Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examinati	Pass percentage	Number of students with grade								
						s	A+	A	B+	B	C	D	E	F

				on										
2016 Admissions	SEM IV	**HN14506 CULTURE AND CIVILIZATION OF INDIA**	12	12	100			1		4	4	3		
		ML14522 GADHYAM, RACHANAPARICHAYAM	18	18	100					2	8	5	3	
2017 Admissions	SEM IV	**HN1714506 DRAMA AND LONG POEM**	5	5					2	3				
		ML1714508 MALAYALA GADHYARACHANAKAL	20	20	100			5	4	3	4	2		2
2018	SEM IV	**HN1814506 DRAMA AND LONG POEM**	2	2	100			1	1					
		ML1814508 MALAYALA GADHYARACHANAKAL	18	16	88		1	2	5	1	5	2		2
		SC1814506 POETRY, GRAMMAR AND SYRIAC HERITAGE IN INDIA	2	2	100	1	1							
2019	SEM III	**HN1813505 Poetry Grammar and Translation** Grade	5	3	60				1	1	1			2
		ML1913507 DRISHYA KALA SAHITHYAM	17	16				1	2	3	2	6		1
		SC1813505 Prose, Grammar & Literature	1	1										1

PG Courses

Semester Examinations - Grade Statement - APR-2018

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F
	HS24116 PUBLIC HEALTH NUTRITION	9	9	100	3	4	1		1	
	S24117 FOOD MICROBIOLOGY AND SANITATION	9	9	100	2	6			1	
	HS24118 NUTRITION IN SPORTS AND FITNESS	9	9	100	1	6	1		1	
	HS24119 ENTREPRENEURSHIP MANAGEMENT	9	9	100	4	3	1		1	
	HS24120 PUBLIC HEALTH NUTRITION PRACTICAL AND FIELD WORK	9	9	100	7	2				
	HS24121 Dissertation	9	9	100	6	2	1			
	HS24122 VIVA-VOCE	9	9	100		7	1		1	

Semester Examinations - Grade Statement –APRIL 2019

Semester Examinations - Grade Statement –APRIL 2019

Semester	Course title and code	Number of students	Number of students	Pass percentage	Number of students with grade

		appeared for the course examination	passed the course examination		A	B	C	D	E	F
	HS24116 PUBLIC HEALTH NUTRITION	6	6	100	3	3				
	S24117 FOOD MICROBIOLOGY AND SANITATION	6	6	100	1	5				
	HS24118 NUTRITION IN SPORTS AND FITNESS	6	6	100	1	5				
	HS24119 ENTREPRENEURSHIP MANAGEMENT	6	6	100	1	4	1			
	HS24120 PUBLIC HEALTH NUTRITION PRACTICAL AND FIELD WORK	6	6	100	6					
	HS24121 Dissertation	6	6	100	3	3				
	HS24122 VIVA-VOCE	6	6	100	2	3	1			

Semester Examinations - Grade Statement – MARCH 2020

Semester	Course title and code	Number of students	Number of students	Pass percentage	Number of students with grade

		appeared for the course examination	passed the course examination		A	B	C	D	E	F
	HS24116 PUBLIC HEALTH NUTRITION	5	5	100	1	4				
	S24117 FOOD MICROBIOLOGY AND SANITATION	5	5	100		4	1			
	HS24118 NUTRITION IN SPORTS AND FITNESS	5	5	100		4	1			
	HS24119 ENTREPRENEURSHIP MANAGEMENT	5	5	100		5				
	HS24120 PUBLIC HEALTH NUTRITION PRACTICAL AND FIELD WORK	5	5	100	4	1				
	HS24121 Dissertation	5	5	100	1	4				
	HS24122 VIVA-VOCE	5	5	100	1	4				

8.2 Academic Performance

8.2.1 Percentage of students qualifying state/ national/ international level examinations during the last 3 years (eg: NET/SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations/ other examination)

Formula:

Percentage =

$$\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students who have appeared for the exam}} \times 100$$

Academic year:

Registration number/roll number for the exam	Number of students selected/ qualifying								
	NET	SLET	GATE	GMAT	CAT	GRE	TOFEL	Civil Services	State government examinations

8.3 Placement and Higher Studies

8.3.1 Percentage of placement of outgoing students from UG programme during the last 3 years[$$]

Formula:

Percentage =

$$\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$$

Number of students placed	Name of the employer with contact details	Package received

[$$] If the department offers more than one UG programme, provide the data and the percentage for each programme

8.3.2 Percentage of student progression from UG programme to higher education, i.e. UG to PG (previous graduating batch)[##]

Formula: $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

.No	Class No	Name	Name of institution joined	Name of Programme admitted to	
		KEERTHY	*CMS COLLEGE KOTTAYAM*	*MSC.DIETETICS & FOOD SERVICE MANAGEMENT*	*2019*
		MERIN	*CMS COLLEGE KOTTAYAM*	*MSC.DIETETICS & FOOD SERVICE MANAGEMENT*	*2019*
		MERLIN	*CMS COLLEGE KOTTAYAM*	*MSC.DIETETICS & FOOD SERVICE MANAGEMENT*	*2019*
		ASIFA	*CMS COLLEGE KOTTAYAM*	*MSC.DIETETICS & FOOD SERVICE MANAGEMENT*	*2019*
		LINCY	*CMS COLLEGE KOTTAYAM*	*MSC.DIETETICS & FOOD 6SERVICE MANAGEMENT*	*2019*
		SREELAKSHMI	*CMS COLLEGE KOTTAYAM*	*MSC.DIETETICS & FOOD SERVICE MANAGEMENT*	*2019*
		APARNA	*CMS COLLEGE KOTTAYAM*	*MSC.DIETETICS & FOOD SERVICE MANAGEMENT*	*2019*
		SRUTHY S	*CMS COLLEGE KOTTAYAM*	*MSC.DIETETICS & FOOD SERVICE MANAGEMENT*	*2019*
		PRIYANKA	*ST THERESAS COLLEGE ERNAKULAM*	*MSC., FOOD SCIENCE AND NUTRTION*	*2019*
		SNEHA	*RVS COLLEGE COIMBATORE*	*MSC., FOOD SCIENCE AND NUTRTION*	*2019*
		LAYA	*STMARYS COLLEGE THIRUVALLA*	*MSC., FOOD TECHNOLIGY*	*2019*
		ARCHA	*GOVT WOMENS COLLEGE TVM*	*MSC., FOOD SND NUTRITION*	*2019*
		Avani Prakash	*MG University College of Teacher Education Nedumkandam*	*B.Ed(Natural Science)*	
		Dona Ann Sabu	*Morning star college Angamali*		
		Christina V Saji	*Morning star college Angamali*	*M.Sc Home Science*	
		Archa suresh	*ALSIAS Academy*	*M.Sc Home Science*	

		Christeena joseph	*Kavitha ITA, Kottayam*	*Civil service Coaching*	
		Sanaja B S	*VLCC Institute ,Kochi*	*Tally*	
		Arsha Saji		*Diploma in Dietetics , Health& Nutrition*	
		Athulya p Dinesh		*M.Sc Nutrition AND Dietetics*	
		Ashly Raju	*Malik Deenar College ,Kasargod*	*Paramedical Course*	
		Anusha Johnson	*Diploma in Dialysis Technology*	*D.pharm*	

Name of program graduated from	**Number of students enrolling into higher education**	**Name of institution joined**	**Name of program admitted to**
B.Sc Family and Family Science	**Anjali**	**Alphonsa College Pala**	**M.Sc Clinical Nutrition and Dietetics**
”	BhagyaLekshmi Vinod	CMS College Kottayam	M.Sc Dietetics and Food service Management
”	Ashitha P S	CMS College Kottayam	M.Sc Dietetics and Food service Management
”	Anugraha Mariam Rajan	CMS College Kottayam	M.Sc Dietetics and Food service Management
”	Anjana Rajan	CMS College Kottayam	M.Sc Dietetics and Food service Management
”	Ashwitha Susan Eliyas	St. Theresa’s College	MSc. Food Science and Nutrition
”	Anisha Benny	Alphonsa College Pala	MSc. Clinical Nutrtion and Dietetics
”	Lizbeth Sebastain	Food Craft Institute ,Kalamassery	Canning and Food Preservation(1 year Diploma)
”	Abhirami. R .Kumar		
”	Namitha Mariam Motty		

[##]If the department offers more than one UG programme, provide the data and the percentage for each programme

8.3.3Percentage of placement of outgoing students from PG programme during the last 3 years[$$]

Formula:

Percentage $=\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100=30$

Number of students placed	Name of the employer with contact details	Package received
Akshaya p. v	Healthyfyme ,blore	25000/m
Nova james	Medical trust hospital, cochin	24000/m
Susan	St peters school ,kolencherry	18000
Anumolanthrayose	MGM Muthoot hospital, kozhencherry	8000
Merit raju	Caritas hospital,Kottayam	8000
Arunimaanil	SH medical center hospital Kottayam	3000
Maneesha	Aster medcity cochin	5000
Sharanya	SH medical center hospital ,Kottayam	3000
Leah ann	Jobfitness nutrition and diet consultation,cochin	15000

[$$] If the department offers more than one PG programme, provide the data and the percentage for each programme

8.3.4 Percentage of student progression from PG programme to higher education , i.e. PG to M.Phil./PhD (previous graduating batch)[##]

Formula:$\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Name of program graduated from	Number of students enrolling into higher education	Name of institution joined	Name of program admitted to

[##]If the department offers more than one PG programme, provide the data and the percentage for each

programme

8.4 Extra-curricular Activities

(Instruction: Student support system concerned may provide data for the past five years)

8.4.4 Number of students participated in sports at intercollegiate / University / state/ national / international level during the last 3 years

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number
MG UNIVERSITY INTER ZONE WOMEN WRESTLING CHAMPIONSHIP- GOLD MEDAL	SRUTHY S	REGIONAL	
MG UNIVERSITY INTER ZONE WEIGHT LIFTING	ASHWITHA SUSAN ELIAS	REGIONAL	

8.4.2 Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number

8.4.3 Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 3 years

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number

Name of the student	Name of the awarding institute	Name of the event	Name of the award	Position acquired (first/second

				third)
JINCY JOY	ST TERESAS COLLEGE EKM	NUTRITIONS RECIPE COMPETETION	"NAVAREKTHNA RECIPES"	FIRST
SHARANYA JOHN	ASSUMPTION COLLEGE CHANGANASHERRY	QUIZ COMPETITION	NUTRITIA 2019	THIRD
SHARANYA JOHN	PUSHPAGIRI INSTITUTE OF MEDICAL SCIENCE	QUIZ COMPETITION	WORLD HEAR DAY 2018	THIRD

8.4.4Number of awards/medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

Name of the event	**Name of the student**	**Name of the award/ medal**	**Regional/State/ National/ International**	**AADHAR / Student ID number**
Western music	**Aswitha Susan Elias**	**Second**	**intercollegiate**	

8.4.5 Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years

Formula:

Percentage × 100

Name of the activity	**Name of the student**	**Organizing unit/ agency/ collaborating agency**	**Number of students participated in such activities**	**Total number of students**
Exhibition and awareness programme on Nutritious food		**Department of family and community science**	**70**	
Commemoration of Day Against drug abuse- by posters		**Department of family and community science**	**10**	
Awareness programme ,rally and health checkup as a part of National Nutrition week		**Department of family and community science**	**70**	

Snack fest to popularise Traditional kerala snacks		**Department of family and community science**	**71**	
Annual event programme based on theme anaemia by bsc. Students		**Department of family and community science**	**71**	
Extension programme done by BSc. Students on the theme: "Be Anaemia free		**Department of family and community science**	**72**	
Extension programme done by BSc. Students on the theme: "Be Anaemia free		**Department of family and community science**	**72**	

PG

Name of the activity	**Name of the student**	**Organizing unit/ agency/ collaborating agency**	**Number of students participated in such activities**	**Total number of students**

Nutritional survey & education in Annankunnu, Kottayam	**II PG students**	**ICDS**	**6**	**6**
Awareness on worldfood day and diabeticday by ppt presentation& by pasting postersbasedon themeto the collegecommunity				
Awareness onbreastfeeding week byconductingrecipe development on"lactose food production"	**1 PG Students**	**Home science department**	**5**	**5**
Nutritional survey & education in Kariyilcommunity, Ayamanam Panchayathu.	**II PG students**	**ICDS**	**5**	**5**
Awareness of low cost recipes among anganwadi mothers	**II PG students**	**Gov of india, ministry of information and broadcasting field outreach bureau ,Kottayam**	**6**	**6**
Awareness on world heart day by releasing e magazine "MIND YOUR HEART",heart health and nutrition	**IPG students**	**CMS COLLEGE**	**19**	**19**
Nutritional survey &education amongthozhilorappu females ,aymanampinchayath,kottayam	**2pg students**	**Public health nutrition**	**19**	**19**
Nutritional survey &education in annankunnu ,kottayam	**2 PG students**	**ICDS**	**6**	**6**
"Nutrition for preschoolers" programme in puthiyatrikovil ,kottayam	**2 PG students**	**Field outreach bureau**	**6**	**6**

8.4.6 Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3 years

Formula:

Percentage = $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$

Name of the activity	Name of the student	Number of students participated in such activities	Total number of students
NCC	Amrutha shabu		
	Avani prakash		
	Aishwarya O V		
	Nayana Appu		
	Amalendhu K B		
	Carolina Elsa Sabu		
NSS	Angel Ann Shaji		
	Jiya George		
	Harikrishnan H		
	Surya p J		

Provide table wise and year wise data separately for NSS/NCC/Clubs/College Union etc.

8.4.7 Professional societies/ chapters and organizing academic events

Name of the student	Name of society/chapter	Academic event organized

8.4.8 Organization of paper contests, design contests, etc., and achievements

Name of the student	Name of contest	Type of the contest	Achievements
	Talent hunt competetion	Department level	
	Poster design contest 9digital and non didgital	Intercollegiate	
	Inter departmental competitions on exhibiting art,skill and talents of students- wealth from waste,No	**Inter departmental**	

	cook recipe, one dish meal,salad arrangement,vegetable carving ,vegetable printing, poster making flower arrangement,bouquet making,		
	Breast feeding week - conducted a recipe development activity on the theme Lactogogus food preparation by PG first year students.	**Department level**	
	National Reading Day – Reading Competition	**Department level**	
	Flower arrangement competition	**Inter Department level**	
	Competition on surface embellishment on fabrics	**Inter Department level**	
	World environment day-quiz competition Photography contest Trash to treasure contest	**Intercollegiate level**	
	Breast feeding week- - lactogogues recipe competition Handmade poster competition	**Intercollegiate level**	
	Quiz completion on "world mental healh day"	**Intercollegiate level**	
	World safety day- slogan writing contest	**Intercollegiate level**	

8.4.9 Publication of technical magazines, newsletters, journals, etc.

Name of the student	**Technical magazine**				**Newsletter**				**Journal**			
	Name	**Title**	**Volume**	**Page No.**	**Name**	**Title**	**Volume**	**Page No.**	**Name**	**Title**	**Volume**	**Page No.**

	MAGAZINE	**MERIDIAN**	**10**									
	MAGAZINE	**CYNOSURE**	**1**									
	MAGAZINE **MAGAZINE**	**MIND YOUR HEART** **MERIDIAN**	 **1**									

8.4.10 Entrepreneurship initiatives, product designs and innovations
(Describe the initiatives taken)

8.4.11 Publications and awards in inter – institute events by students of the programme of study

Name of the student	**Name of the awarding institute**	**Name of the event**	**Name of the award**	**Position acquired (first/second third)**
JINCY JOY	ST TERESAS COLLEGE EKM	NUTRITIONS RECIPE COMPETETION	"NAVAREKTHNA RECIPES"	FIRST
SHARANYA JOHN	ASSUMPTION COLLEGE CHANGANASHERRY	QUIZ COMPETITION	NUTRITIA 2019	THIRD
SHARANYA JOHN	PUSHPAGIRI INSTITUTE OF MEDICAL SCIENCE	QUIZ COMPETITION	WORLD HEAR DAY 2018	THIRD

9 Faculty Contributions

9.3 Student Teacher Ratio (STR) UG- 25:1 PG- 19:1

9.4 Faculty Cadre Ratio

9.5 Faculty Qualifications

9.5.4 Percentage of full time teachers registered for Ph.D. (Value points will be given only for the first 3 years of registration)

Formula:

Percentage = $\frac{\text{Number of full time teachers in the department registered for Ph. D.}}{\text{Total number of full time teachers}} \times 100$

Name of full time teacher registered for PhD	Date of registration	Number of full time teachers registered for PhD	Total number of full time teachers
NIL			

9.5.5 Number of teachers awarded national/international fellowship for advancedstudies/research during the last 3 years

Year	Name of the teacher awarded national / international fellowship	Name of the award	Awarding Agency
	NIL		

9.5.6 Percentage of teachers recognized as research guides-50% (UG)

Formula: $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers in the department}} \times 100$

Name of teachers recognized as research guides	Year of recognition	Recognizing University	Total number of teachers
DR. ANOOJA K THOMAS		**MG UNIVERSITY**	**3**
PG NIL			

9.6 Faculty competencies in correlation to Programme Specific Criteria

All the faculties are qualified to teach for BSC., and MSC., programmes. (phd – 2, NET-4)

9.7 Academic Calendar and Teaching plans

(Upload details of five years)

INDIVIDUALPLAN OF WORK (BSC.)-SEMESTER- V-2018-19
NAME OF TEACHER: DR.MIRIAM MANI
PAPER-7-HS5BO7U-TEXTILE SCIENCE

MONTH/working days	**TOPICS TO BE COVERED**	REMARKS
JUNE (21 DAYS)	**MODULE-1-STUDY OF FIBERS (4-13) -8HRS** **MODULE-2-FABRIC STRUCTURE (14-29)-12HRS** PRACTICALS-COLLECTION OF FIBERS, TESTING FIBERS, WEAVES SAMPLES ASSIGNMENTS TO BE GIVEN., CLASS TEST	
JULY(22DAYS)	**MODULE-3-DYEING &PRINTING (1-10) 8HRS.** **MODULE-4-FABRIC FINISHES (11-20)8HRS.** **PRACTICALS-WEAVES COLLECTION, MAKING, THREADCOUNT –MED, LOW, HIGH COUNT SAMPLES** **SAMPLES FOR BLOCK, BATIK& TIE&DYE (21-25)**	
AUGUST (22 DAYS)	**MODULE-6-MODERN TEXTILES.** **PRACTICALS**-COMPLETING RECORD) **REVISION** **COMPLETING ASSIGNMENTS, SEMINARS (PREPARATION)**	
SEPTEMBER(14DAYS)	**FIRST INTERNAL EXAM BEGINS(4DAYS)** SUBMISSION OF ASIGNMENTS AND CONDUCTING SEMINARS, FINAL SUBMISSION OF RECORDS **REVISION** THIRD WEEK-PUBLISHING INTERNAL MARKS.	
OCTOBER(11DAYS)	FIRST WEEK-STUDY LEAVE SECOND WEEK-INTERNALS TO UNIVERSITY SECOND WEEK-UNIVERSITY EXAM	

INDIVIDUALPLAN OF WORK (BSC.)-SEMESTER- V-2018-19
NAME OF TEACHER: DR.MIRIAM MANI
PAPER-8-HS5BO8U-DYNAMICS OF EXTENSION

MONTH/working days	**TOPICS TO BE COVERED**	REMARKS
JUNE (21 DAYS)	**MODULE-1-EXTENSION-8HRS,** **Practical-Interviewing extension worker to find out his role.** **MODULE-2-COMMUNITY DEVELOPMENT-15HRS** PRACTICALS-survey to find out the role of any one community organization in community development. ASSIGNMENTS TO BE GIVEN., CLASS TEST	
JULY(22DAYS)	**MODULE-5AUDIO VISUAL AIDS-8HRS** **MODULE-3-LEADERSHIP-7HRS** **MODULE-4-LEARNING AND TEACHING IN EXTENSION-12HRS** **PRACTICALS-Collection & evaluation of audio-visual aids** **Preparation & use of visual aids (leaflets, pamphlets, charts &posters.)**	
AUGUST (22 DAYS)	**MODULE-6-PROGRAMME PLANNING IN EXTENSION-4HRS** **PRACTICALS**-Planning, implementing & evaluating an extension programme related to Home Science. -plan COMPLETING RECORD) **REVISION** **COMPLETING ASSIGNMENTS, SEMINARS (PREPARATION)**	
SEPTEMBER(14DAYS)	**FIRST INTERNAL EXAM BEGINS(4DAYS)** SUBMISSION OF ASIGNMENTS AND CONDUCTING SEMINARS, FINAL SUBMISSION OF RECORDS Conducting the extension programme. **REVISION** THIRD WEEK-PUBLISHING INTERNAL MARKS.	
OCTOBER(11DAYS)	FIRST WEEK-STUDY LEAVE SECOND WEEK-INTERNALS TO UNIVERSITY SECOND WEEK-UNIVERSITY EXAM	

INDIVIDUALPLAN OF WORK (BSC.)-SEMESTER- V-2018-19
NAME OF TEACHER: DR.MIRIAM MANI
PAPER-3-HS5BO3U-HUMAN DEVELOPMENT

MONTH/working days	TOPICS TO BE COVERED	REMARKS
JUNE (21 DAYS)	**MODULE-1-Module 1: Introduction to Human development (8 Hrs.)** **MODULE-2-Module 4: Development during Adolescence. (8 Hrs.)-part only** PRACTICALS- ASSIGNMENTS TO BE GIVEN., CLASS TEST	
JULY(22DAYS)	**MODULE 5:** **Discipline & guidance for children, (8 Hrs)** • Play – importance, types, selection of toys, indigenous toys. Sem 3 in sem exam	
AUGUST (22 DAYS)	• **Habit formation- definition, principles**	
SEPTEMBER(14DAYS)	**FIRST INTERNAL EXAM BEGINS(4DAYS)** SUBMISSION OF ASIGNMENTS AND CONDUCTING SEMINARS, FINAL SUBMISSION OF RECORDS **REVISION** THIRD WEEK-PUBLISHING INTERNAL MARKS.	
OCTOBER(11DAYS)	FIRST WEEK-STUDY LEAVE SECOND WEEK-INTERNALS TO UNIVERSITY SECOND WEEK-UNIVERSITY EXAM	

PLAN OF WORK 2020-21

SEMESTER 6

EXTENSION EDUCATION AND COMMUNICATION

December –Module 5-AUDIO Visual Aids

January-module 4 Communication & methods of approaching people. & 1 -Extension

February –Module 2 Community Development& 3. Programme planning in extension.

Practical –To be completed by February 15th

Fashion Designing & Apparel Production

December –Module 1 -Fashion

January-module 2& 3-

February –Module 4& 5

Practical- To be completed by February 5th

Embroidery
Garment Construction-
Frock
Salwar

9.8 Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years

Formula: $\frac{\text{Total number of Ph.D.degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$

Name of the PhD scholar	Name of the guide/s	Title of the thesis	Year of registration of the	Year of award of PhD

			scholar	
NIL				

9.9 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, E-content management etc.**

Formula: $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$

	Name of teacher using ICT	**Type of ICT facilities used**	**Number of teachers using ICT**	**Total number of teachers**
UG	DR.MIRIAM MANI	POWER POINT,	6	6
UG	DR. ANOOJA K THOMAS	POWER POINT		
UG	FAZEELA MUHAMMED RASHEED	POWER POINT		
UG	VEENA S PANICKER	POWER POINT		
		POWER POINT		
PG	SREELAKSHMI S	POWER POINT		
PG	RENU K ABRAHAM	POWER POINT		
PG	KAVITHA VIJAYAN	POWER POINT		

** Validation based on student feedback and link for webpage describing LMS/ Academic Management System.

9.10 Faculty as participants/resource persons in faculty professional development/training Activities/seminars/workshops/symposia/conferences (national & international)

Year	Duration (From – to)	Name of the teacher	Role of the teacher (participation/ resource person)	Type of programme (faculty development/ training/ seminar/ workshop/ symposia/ conference)	Name of the programme	National/ international
		Dr. Miriam Mani	participation	Workshop cum training	Faculty development programme for E-content development	**national**
		Smt. Sreelakshmi S	participation	Workshop cum training	Faculty development programme for E-content development	**national**
		Fazeela Muhammed	participation	seminar	1. Seminar on Bariatric surgery and diet plans 2. Seminar on dietary practices and carb counting	**national**
		Kavitha Vijayan	participation	seminar	3. Seminar on Bariatric surgery and diet plans 4. Seminar on dietary practices and carb counting	**national**
		Renu K Abraham	participation	seminar	• Seminar on dietary	national

					practices and carb counting • Pragmatic sustenance and upcycling	State level

S.No.	Details of the speaker	Title	Place	Date	Local/ State/National/International
	Dr.Miriam Mani (Head of the department)				
1	Afsana M Noushad, Dietitian & Diabetes Educator	Dietetic Perspective of Diabetic Neuropathy & Nephropathy	Google meet	13/06/2020	Local
2	Reetha mol Sebastian, RD Dietician, Ontario, Canada	Role of Dietitian in Dysphagia management.	Google meet	17/06/2020	International
3	Reshma Ranjith, Registered dietician, St. Thomas hospital	Paediatric Critical Care Nutrition	Google meet	07/07/2020	Local
4	Dr. Punnose Sam,BHMS,PGDHA,ISC,IHK, GHF, Australia	Wholistic Health Care-A Homeopathic perspective	Google meet	27/08/2020	International
5	Shebni Hameed, Bariatric dietician, Emirates hospital, Abhudabi.	Impact of Food Adulteration on Heath &need for planation drive.	Google meet	11/09/2020	International
6	Lakshmi Menon, Social worker & entrepreneur	Social Entrepreneurship Work Shop	Google meet	18/09/2020	Local
7	Dr. Varghese C Joshua, Principal, CMS College	NEP 2020	You tube streaming	09/9/2020	National
7	Dr. Suma Divakar HOD, department of Family and community science	Traditional Foods & Immunity	Google meetGoogle meet	12/10/2020	Local
8	Dr. KS Vishnu Namboothiri, BAMS, MD, PGDYT, Medical officer in Govt.	Immune boosting foods-Ayurvedic perspective	Google meet	16/10/2020	Local

	Ayurveda college Alapuzha				
9	Dr. Bhagya D,asst. Professor, department of home science, St. Joseph College, Alapuzha	Tuning into research	Google meet	31/12/2020	Local
10	Indulekha G, ICDS Supervisor, Govt of Kerala	Integrated Child Development Scheme-The current Scenario	Google meet	23/01/2021	Local
11	Dr. Sajikumar V, senior psychologist, Founer& COE of Pranavam Mind and research centre, Kothamangalam	Protection from cyber abuse –A human Right	Google meet	25/01/2021	Local
12	Dr. Neethu Sharma, Krishi vinjan Kendra, Himachal pradesh	Food culture of Himachal Pradesh	Google meet	27/01/2021	National
13	Sally Varma, humane society International	Where does our food come from	Google meet	11/02/2021	Local
		Magic in minutes-live demonstration	Google meet	13/03/2021	Local
14		A five –day Faculty Development Programme on NAAC Assessment 7 Accreditation Process in th Revised Accreditation Frame Work	TEAMS	7/06/2021	Local

Sl.No.	Details of the speaker	Title	Place	Date	Local/ State/National/International
	NAME OF THE TEACHER – SREELAKSHMI S				
1.	Afsana M Noushad, Dietitian & Diabetes Educator	Dietetic Perspective of Diabetic Neuropathy & Nephropathy	Google meet	13/06/2020	Local
2.	Reetha mol Sebastian, RD Dietician, Ontario, Canada	Role of Dietitian in Dysphagia management.	Google meet	17/06/2020	International
3.	Reshma Ranjith, Registered dietician, St. Thomas hospital	Paediatric Critical Care Nutrition	Google meet	07/07/2020	Local
4.	Clinical Nutrition and Excellence Academy,	Understanding fiber and its clinical uses	Google meet	10/07/2020	Local

	IAPEN (Mumbai Chapter) and Hexagon Nutrition				
5.	GEM Obesity and Diabetes Study Centre, Coimbatore	Obsicon 5- Holistic approach towards obesity	Google meet	12/07/2020	National
6.	National Institute of Public Cooperation and Child Development, New Delhi	Orientation training for Post Graduate Students of Public Health and Nutrition for online module on Infant and Young Child feeding	Google meet	21/08/2020	National
7.	Dr. Punnose Sam,BHMS,PGDHA, ISC,IHK, GHF, Australia	Holistic Health Care-A Homeopathic perspective	Google meet	27/08/2020	International
8.	Shebni Hameed, Bariatric dietician, Emirates hospital, Abhudabi.	Impact of Food Adulteration on Heath &need for planation drive.	Google meet	11/09/2020	International
9.	Lakshmi Menon, Social worker & entrepreneur	Social Entrepreneurship Work Shop	Google meet	18/09/2020	Local
10.	Dr. Varghese C Joshua, Principal, CMS College	NEP 2020	You tube streaming	09/9/2020	National
11.	Dr. Varghese C Joshua, Principal, CMS College	Practicable NEP2020; Educational thoughts (Organised by IQAC)	Google Meet	16/9/2020	
12.	Prof. V. N Rajasekharan Pillai	Oportunities and Challenges for Collegiate education System as part of NEP 2020	Google Meet	23/09/2020	National
13.	Dr. Suma Divakar HOD, Department of Family and community science	Traditional Foods & Immunity	Google meet	12/10/2020	Local
14.	Dr. KS Vishnu Namboothiri, BAMS, MD, PGDYT, Medical officer in Govt. Ayurveda college Alapuzha	Immune boosting foods-Ayurvedic perspective	Google meet	16/10/2020	Local
15.	Prof. Mahamani	How to write an impactful research paper	YouTube live Streaming	13/12/2020	National
16.	Research Committiee St.Joseph's College for	Why do we research?	Google Meet	22/12/2020	Local

	Women,Alappuzha				
17.	Dr. Bhagya D,Asst. Professor, Department of Home science, St. Joseph College, Alapuzha	Tuning into research	Google meet	31/12/2020	Local
18.	Indulekha G, ICDS Supervisor, Govt of Kerala	Integrated Child Development Scheme-The current Scenario	Google meet	23/01/2021	Local
19.	Dr. Neethu Sharma, Krishi vinjan Kendra, Himachal pradesh	Food culture of Himachal Pradesh	Google meet	27/01/2021	National
20.	Sally Varma, humane society International	Where does our food come from	Google meet	11/02/2021	Local
21.	Home Science Association of India (Kerala chapter)	Paradigm Shift in Home Science Education	Google Meet	18/02/2021 – 20/02/2021	National
22.		Magic in minutes-live demonstration	Google meet	13/03/2021	Local
23.		A five –day Faculty Development Programme on NAAC Assessment 7 Accreditation Process in th Revised Accreditation Frame Work	TEAMS	7/06/2021	Local

Resource person	Title	Place	Date	Level
KAVITHA VIJAYAN – DEPARTMENT OF FAMILY AND COMMUNITY SCIENCE				
Afsana M Noushad, Dietitian & Diabetes Educator	Dietetic Perspective of Diabetic Neuropathy & Nephropathy	GOOGLE MEET	13/06/2020	Local
Reetha mol Sebastian, RD Dietician, Ontario, Canada	Role of Dietitian in Dysphagia management.	Google meet	17/06/2020	International
Sonali sawant Founder and ceo of Nutriboom , Oxford, UK	TRENDS IN FOOD SCIENCE AND NUTRITION	Google meet	18/7/2020	International
Dr. Punnose Sam,BHMS,PGDHA,ISC,IHK, GHF, Australia	Wholistic Health Care-A Homeopathic perspective	Google meet	27/08/2020	International
Shebni Hameed, bariatric dietician, Emirates hospital, Abhudabi.	Impact of Food Adulteration on Heath &need for planation drive.	Google meet	11/09/2020	International
Lakshmi Menon, Social worker & entrepreneur	Social Entrepreneurship Work Shop	Google meet	18/09/2020	Local
Dr. KS Vishnu Namboothiri, BAMS, MD, PGDYT, Medical officer in Govt. Ayurveda college Alapuzha	Immune boosting foods-Ayurvedic perspective	Google meet	16/10/2020	Local
Dr. Avula Laxmaih Head , public health department NIN	Nutrition status and response strategies in India	You tube streaming	01/12/2020	National
Dr. Bhagya D,asst. Professor, department of home science, St. Joseph College, Alapuzha	Tuning into research	Google meet	31/12/2020	Local
Indulekha G, ICDS Supervisor, Govt of Kerala	Integrated Child Development Scheme-The current Scenario	Google meet	23/01/2021	Local
Dr. Sajikumar V, senior psychologist, Founer& COE of Pranavam Mind and research centre, Kothamangalam	Protection from cyber abuse –A human Right	Google meet	25/01/2021	Local
Dr. Neethu Sharma, Krishi vinjan Kendra, Himachal pradesh	Food culture of Himachal Pradesh	Google meet	27/01/2021	Local
Dr. Poornima Menon, international Food policy research Institutepaint	Computational Gastronomy: A data science approach to food	Google meet	1/04/2021	National
Dr. Varghese C Joshua,	NEP 2020	You tube	09/9/2020	National

Principal, CMS College		streamimg		
	A five –day Faculty Development Programme on NAAC Assessment 7 Accreditation Process in th Revised Accreditation Frame Work	TEAMS	7/06/2021	Local

NAME OF THE TEACHER – FAZEELA MUHAMMED RASHEED

S.No.	Details of the speaker / organizer	Title	Place	Date	Local/ State/National/International
	NAME OF THE TEACHER – FAZEELA MUHAMMED RASHEED				
1.	Afsana M Noushad, Dietitian& Diabetes Educator	Dietetic Perspective of Diabetic Neuropathy & Nephropathy	Google meet	13/06/2020	Local
2.	Reethamol Sebastian, RD Dietician, Ontario, Canada	Role of Dietitian in Dysphagia management.	Google meet	17/06/2020	International
3.	ReshmaRanjith, Registered dietician, St. Thomas hospital	Paediatric Critical Care Nutrition	Google meet	07/07/2020	Local
4.	Department of Food Service Management and Dietetics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamilnadu	"Metabolomics :A novel research tool to examine mechanism underlying diet disease association"	Google Meet	09/07/2020	International
5.	IAPEN/ Hexagon Nutrition	Understanding Fibre and its Clinical importance	Webex	10/07/2020	National
6.	Department of Home Science and Psychology, Sophia Girls' College	Food and Well Being Challenges of the 21st Century	Google Meet	17th - 18th July, 2020	International

	(Autonomous), Ajmer (Rajasthan)				
7.	Indian Dietetic Association	Critical Care Nutrition	Webex	24/07/2020	National
8.	The Department Of Food & Nutrition & Research Centre In Association With Altrusa International of Bangalore, India, Inc.	ADDRESSING THE CHALLENGES OF HEALTH & NUTRITION DURING COVID-19, A HOLISTIC APPROACH"	Google Meet	27th & 28th July 2020,	National
9.	Department of Home Science and IQAC, Nirmalagiri College	Home Science as a Profession	Google meet	26/08/2020	National
10.	Dr. Varghese C Joshua, Principal, CMS College	NEP 2020	You tube streaming	09/9/2020	National
11.	Dr. Suma Divakar HOD, Department of Family and community science	Traditional Foods & Immunity	Google meetGoogle meet	12/10/2020	Local
12.	Dr. KS Vishnu Namboothiri, BAMS, MD, PGDYT, Medical officer in Govt. Ayurveda college Alapuzha	Immune boosting foods-Ayurvedic perspective	Google meet	16/10/2020	Local
13.	District Institute of Education and Training, Uthamacholapuram, Salem, Tamil Nadu	Interactive Tools for Classroom Transaction'	Google Meet	07.12.2020	National
14.	Indulekha G, ICDS Supervisor, Govt of Kerala	Integrated Child Development Scheme-The current Scenario	Google meet	23/01/2021	Local
15.	Dr. Sajikumar V, senior psychologist, Founer& COE of Pranavam Mind and research centre, Kothamangalam	Protection from cyber abuse –A human Right	Google meet	25/01/2021	Local
16.	Dr. Neethu Sharma, Krishivinjan Kendra, Himachal pradesh	Food culture of Himachal Pradesh	Google meet	27/01/2021	National
17.	Sally Varma, humane society International	Where does our food come from	Google meet	11/02/2021	Local
18.	Home Science	Paradigm shift in	Google Meet	18th to 20th	National

	Association of India	Home Science Education		February 2021	

Resource person	Title	Place	Date	Level
RENU K ABRAHAM – DEPARTMENT OF FAMILY AND COMMUNITY SCIENCE				
Babita G Hazarika Chief Dietician @Apollo Gleneagles Hospitals, Kolkata	Nutritional Support in Critically Ill Diabetic Patients.	Webinar	May 29, 2020,	International
Department of Food Science and Nutrition, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.	"COVID-19 & FOOD AND NUTRITION SECURITY: SCENARIO IN SOUTH AND SOUTH EAST ASIA"	Webinar	27th June 2020	International
IIIT Kottayam	Webinar on How to Publish a High Impact Publication	Webinar	Jul 15, 2020	National
Hexagon Nutrition-webinar series 1	Introduction to Medical Nutrition Therapy, Guidelines & Way Forward	Webinar	Jul 18, 2020	National
Hexagon Nutrition-webinar series 2	Proteins: The fundamental part of Medical Nutrition Therapy	Webinar	Aug 18, 2020	National
Hexagon Nutrition-webinar series 3	Significance of Peptide & MCT in Medical Nutrition Therapy	Webinar	Sep 18, 2020	National
Hexagon Nutrition-webinar series 4	Soluble Fiber in Medical Nutrition Therapy: From Illness to Wellness	Webinar	Oct 18, 2020	National
Hexagon Nutrition-webinar series 5	Immunonutrients in Medical Nutrition Therapy: From prevention to treatment	Webinar	Nov 18,2020	National
Department of Family & Community Science, CMS College Kottayam.	Holistic Healthcare: a Homeopathic Perspective	Webinar	27th August 2020	International
Nutrizione 2020	Impact of Food Adulteration on Health and the need for Plantation Drive" as part of	Webinar	Sep 10, 2020,	International

	Nutrizione 2020			
DR. MURALEE THUMMARUKUDY Operations manager, Crisis Management Branch United Nations Environment Programme.	COVID 19: The Crisis of our Times; Past, Present and Future	Webinar	7th September 2020.	International
Dr Devendra Singh Senior Consultant, Gastroenterology @Apollo Hospitals, Bilaspur Champa Mazumdar Chief Clinical Dietician @Apollo Hospitals Bilaspur	Nutrition in Pancreatitis".	Webinar	Sep 11, 2020	International
Iqac cms college	Practicable NEP-2020: Educational Thoughts" Inbox	Webinar	Sep 16, 2020	State
Wolrd Food Day organised by FOB,Government of India,Kottayam"	Webinar on Immono boosting foods	Webinar	Oct 16, 2020	National
Department of Family & Community Science, CMS College Kottayam.	Webinar on “Tuning into Research".	Webinar		State
Department of Family & Community Science, CMS College Kottayam.	Integrated child development scheme- a current scenario	Webinar	Jan 23, 2021	Local
HSI/INDIA & Department of Family & Community Science, CMS College Kottayam.	Webinar on” where does our food come from “	Webinar	Feb 22,2021	National
CMS College Kottayam.	National Education Policy 2020: Opportunities and Challenges for the Collegiate Education System "	Webinar	Sep 23, 2020	Local
Trivandrum International School Early Years	WEBINAR ON EARLY CHILDHOOD PARENTING	Webinar	Jan 12,2021	International

S.No.	Details of the speaker	Title	Place	Date	Local/ State/National/International
	NAME OF THE TEACHER - VEENA S PANICKER				
1	Afsana M Noushad, Dietitian & Diabetes Educator	Dietetic Perspective of Diabetic Neuropathy & Nephropathy	Google meet	13/06/2020	Local
2	Reetha mol Sebastian, RD Dietician, Ontario, Canada	Role of Dietitian in Dysphagia management.	Google meet	17/06/2020	International
3	Reshma Ranjith, Registered dietician, St. Thomas hospital	Paediatric Critical Care Nutrition	Google meet	07/07/2020	Local
4	Dr. Punnose Sam,BHMS,PGDHA,ISC,IHK, GHF, Australia	Wholistic Health Care-A Homeopathic perspective	Google meet	27/08/2020	International
6	Lakshmi Menon, Social worker & entrepreneur	Social Entrepreneurship Work Shop	Google meet	18/09/2020	Local
7	Dr. Varghese C Joshua, Principal, CMS College	NEP 2020	You tube streaming	09/9/2020	National
7	Dr. Suma Divakar HOD, Department of Family and community science	Traditional Foods & Immunity	Google meetGoogle meet	12/10/2020	Local
8	Dr. KS Vishnu Namboothiri, BAMS, MD, PGDYT, Medical officer in Govt. Ayurveda college Alapuzha	Immune boosting foods-Ayurvedic perspective	Google meet	16/10/2020	Local
9	Dr. Ajith james Joseph	Human Rights – new perspectives	Google meet	30-11-2020	Local
9	Dr. Bhagya D,Asst. Professor, Department of Home science, St. Joseph College, Alapuzha	Tuning into research	Google meet	31/12/2020	Local
10	Indulekha G, ICDS Supervisor, Govt of Kerala	Integrated Child Development Scheme-The	Google meet	23/01/2021	Local

		current Scenario			
11	Dr. Sajikumar V, senior psychologist, Founer& COE of Pranavam Mind and research centre, Kothamangalam	Protection from cyber abuse –A human Right	Google meet	25/01/2021	Local
12	Dr. Neethu Sharma, Krishi vinjan Kendra, Himachal pradesh	Food culture of Himachal Pradesh	Google meet	27/01/2021	National
13	Sally Varma, humane society International	Where does our food come from	Google meet	11/02/2021	Local
		Magic in minutes-live demonstration	Google meet	13/03/2021	Local
14		A five –day Faculty Development Programme on NAAC Assessment 7 Accreditation Process in the Revised Accreditation Frame Work	TEAMS	7/06/2021	Local
15					

9.11

Faculty Retention

There are two permanant teachers (one faculty retired in the year 2020 march)and one govt guest for the UG programme

There are three Assistant professors (self financing) for the PG programme.

9.12 Faculty Research Publications (FRP)

9.12.4 Number of research papers per teacher in the Journals notified on UGC website during the last 3 years

Formula: $\frac{\text{Total number of publications in UGC notified journals in the last 3 years}}{\text{Total number of teachers who published in UGC notified journals in the last 3 years}} = 100\%$

Title of paper	**Name of the teacher**	**Name of journal**	**ISBN/ISSN number**	**Impact factor if any**	**Affiliating institute at the time of publication**
Evaluation of the Effectiveness of Acid-Neutralizing Property of Traditional Antacids	**Fazeela Muhammed Rasheed**	Banaras Hindu University, Varanasi, India.	**ISSN -0447-9483**		

commonly used in India					
Formulation of Composite Squash from Selected Herbs and its Evaluation in Terms of Physicochemical, Nutritional and Sensory Qualities	**Sreelakshmi S**	Banaras Hindu University, Varanasi, India.	**ISSN -0447-9483**		

Journal with the highest impact factor in your stream and its impact factor (multidisciplinary journals are not to be counted):…..

9.12.5 Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years

Formula:

$$\frac{\text{Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years}}{\text{Total number of teachers who published in the last 3 years}}$$

Title of the book/chapters published	**Title of the paper**	**Title of the proceedings of the conference**	**Name of the conference**	**National / international**	**ISBN/ISSN number of the proceeding**	**Name of the publisher**	**Affiliating institute at the time of publication**
Extension education and communication practical manual					**ISBN 978 81 7255 144 5**	Suryagadha Publishers	Cms college kottayam
Interior decoration practical manual					**ISBN 978 81 7255 145 2**	Suryagadha Publishers	Cms college kottayam
Food science and nutritional biochemistry practical manual					**ISBN 978 81 7255 146 9**	Suryagadha Publishers	Cms college kottayam

9.12.6 BiblioMetrics of the publications during the last 3 years based on average citation index and H-index in Scopus/ Web of Science or PubMed/ Indian Citation Index/Google scholar

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Average H-index of the faculties	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations

9.13 Faculty Intellectual Property Rights (FIPR)

9.13.4 Number of Patents published/awarded

Name of the teacher	Name of the Patent published/awarded	Patent Number	Year of award	Affiliating institute at the time of publication/award
NIL				

9.14 Funded R & D projects and consultancy works

9.14.4 Major Research projects sponsored by government sourcessuch as UGC, DST, DBT, KSCSTE, etc.

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project
NIL			

9.14.5 Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees)

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project
NIL			

9.14.6 Research projects sponsored by the non-government sourcessuch as industry, corporate houses, international bodies, endowments (Amount in Rupees)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Funds provided	Duration of the project
NIL			

9.14.7 Consultancy

Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (amount in rupees)
NIL			

9.14.8 Revenue generated from corporate training by the department during the previous year

Names of the teacher-consultants	Title of the corporate training program	Agency seeking training with contact details	Revenue generated (amount in rupees)	Number of trainees
NIL				

9.15 Number of awards for innovation won by teachers –**Our Faculty , Fazeela Muhammed Rasheed achieved first prize in oral paper presentation conducted by Home science association of India. (2020)**

Title of the innovation	Name of the Awardee	Year of award	Name of the Awarding Agency with contact details
NIL			

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9.16 Faculty interaction with International Collaborations :

Department used to conduct international webinars with active participation of each faculty of the department.

Name of the faculty	Collaborating agency/ institute/ industry	Name of the agency/ institute/ industry/ organization	Type of collaboration (research/ teaching/ industrial etc.)	Country of the collaborating party	Has any MoU signed?	Validity period of the MoU (from date – to date)

9.17 Membership in Professional bodies

9.17.4 Membership in academic bodies in Universities / other colleges

Name of the teacher	Name of the academic body	University/ other college	Position held
Dr. Miriam Mani	Board of studies	Other college (Assumption college Changanaserry)	Board member
Dr. Anooja Thomas	Board of studies	MG University	Board member

9.18 Reviewer/Editors of International and national journals

Name of the teacher	Name of the Journal, ISSN No., publisher, national/international	Role of the teacher (Reviewer/ Editor)
NIL		

9.19 Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 3 years

Academic body / Administrative body / Committee	**Name of the Academic body / Administrative body / Committee**	**Specific role of the faculty**
Dr.Miriam Mani	Academic Council(2016 onwards)	Member
Dr.Miriam Mani	Board of Studies(PG&UG Combined)-cms College.	Chairperson
Dr.Miriam Mani	Library Committee	Member
Dr.Miriam Mani	Head of the Department	
Dr.Miriam Mani	value added course-BSC.2nd year.	Co-coordinator-
Dr.Miriam Mani	DBT Star Fund	Co-coordinator 2020-21
Dr.Anooja Thomas	Academic Council(2016 onwards)	Member
Dr.Anooja Thomas	Board of Studies(PG&UG Combined) Examination Co-ordinator(UG)	Member
Kavitha Vijayan	IQAC	Department IQAC cordinator
Kavitha Vijayan	Library committee	Member
Renu K Abraham	COVID committee Lock down retreat commite Covid cell SAP committee	Member

Veena S Panicker	Internal exam department cordinator – UG VALUE ADDED COURSE coordinator 3DC (209-2020)	

Academic body / Administrative body / Committee	Name of the Academic body / Administrative body / Committee	Specific role of the faculty	Duration of hours spent in the last 5 years
Association	---Dr. Miriam mani - Home science association of India Indian dietetics association ---Dr. Anooja Thomas-- Home science association of India Indian dietetics association --Renu K Abraham - Nutrition and diabetes , india Nutrtion society, Indian dietetics association	Member	
		Total hours spent	

9.20 Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years

100%

Name of the activity/scheme	Organizing unit/ agency/ collaborating agency	Number of teachers participated in such activities
EXTENSION ACTIVITY	**FIELD OUTREACH PROGRAMME**	**6**
COMMUNITY PROGRAMME	**DEPARTMENT OF FAMILY AND**	**6**

	COMMUNITY SCIENCE	

10 Academic Support Units and Teaching-Learning-Evaluation Process

Academic Support Units for academic and stress related issues – The students are given motivational classes, at least twice in a year and also done as informal contacts with the students especially during mentoring. Regular PTA meetings also serve as a supportive mechanism

10.3.4

10.3.5 **Ratio of mentor to students for academic and stress related issues** – UG-25:1, PG- 19:1

10.3.6 **Department level student grievance addressing system**–

When Grievances are there, it is first handled by the warden and settled. If there is no solution it will discussed with other staff in the presence of Head of the Department and settled.

10.4 Teaching-Learning Process

10.4.4 Tutorial classes to address student questions –

No formal classes. For failed students help is given by revising with question papers and clearing doubts

10.4.5 Mentoring system To help at individual levels - class tutor used to give mentoring to the students once in a month to address their issues.

Individual mentoring for students by class wardens

10.4.6 Feedback analysis and reward/corrective measures taken, if any- NIL

10.4.7 Scope for self-learning- giving assignments, group discussion, and seminar,to students can encourage participatave learning.

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

10.4.8 Generation of self-learning facilities, availability of materials for learning beyond syllabus- giving the ASSIGNMENTS related to the subject, but not in the syllabus, will help the students to achieve more knowledge on subject.

Students are given opportunity to experiment their skills and abilities by undertaking projects etc.

10.4.9 Career Guidance, Training, Placement, and Entrepreneurship Cell

Training classes for career counselling (*yearly once) conducted by centre for career guidance and placements.

Describe the number of capability enhancement and development schemes

8. Guidance for competitive examinations
9. Career Counseling
10. Soft skill development
11. Induction/Remedial programmes
12. Language lab
13. Bridge courses

Personal Counseling- At the Department level teachers especially wardens give personal counseling .Mentoring sessions are also used as a time for personalcounseling.

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details

VALUE ADDED COURSE ON BAKERY AND CONFECTIONERY	2020	70	SHYAMAS SWEET HEART CAKES AND CHOCOLATES- 9544773340
VALUE ADDED COURSE IN CREATIVE ARTS AND ENVIRONMENT MANAGEMENT	2020	22	FEVICRYL HOBBY IDEAS
SAFE FOOD PRODUCTION FOR HEALTH AND IMMUNITY	2020	45	FOSTAC- 9961883393 Mr. James
VALUE ADDED COURSE ON CONSTRUCTION AND EMBELLISHMENT OF BASIC KIDS GARMENTS	2020	22	CHINOOS TAILORS SHYLABABU-9207204732 CHITRA FREELANCE FASHION DESIGNER -940062970

10.4.9.1 Indicate whether the department conducted tests at the beginning of each semester to identify weak/ potential students? YES

10.4.9.2 Indicate how the department took extra measures to identify, address and meet the special requirements of differently abled students. – During these assessing years no differently abled student joined for PG or UG

10.4.9.3 Average percentage of students benefited by guidance for competitive examinations and career counseling offered by the department during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated by Career Counseling / competitive exams activities
NIL		

10.4.9.4 Average percentage of students benefitted by Vocational Education and Training (VET) during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated VET
2019-2020	**VALUE ADDED COURSE ON BAKERY AND CONFECTIONERY**	70
2019-2021	**VALUE ADDED COURSE IN CREATIVE ARTS AND ENVIRONMENT MANAGEMENT**	22
2020-2021	**SAFE FOOD PRODUCTION FOR HEALTH AND IMMUNITY**	45
2020-2021	**VALUE ADDED COURSE ON CONSTRUCTION AND EMBELLISHMENT OF BASIC KIDS GARMENTS**	22

		70

10.4.10 Role of department in Co-curricular and Extra-curricular Activities of students

The Home Science Association comprising of faculty and the student representatives encourage the participation of students in various co curricular activities conducted by the college, inter college competitions etc. and the winners and participants are honored.

10.4.11 Role of department Games and Sports achievements of students

Students involved in sports activities are given all the necessary support and encouragement.

10.4.12 Does the department have a system to check malpractices and plagiarism?

Provide upload the URL having code of ethics	**Whether Departments have been provided access to plagiarism detecting software (Yes/No)**	**Mechanism for detecting plagiarism**
	NIL	NIL

11 Continuous improvements

11.3 Improvement in Success Index of Students

BATCH & PROGRAM		**Pass percentage**
2018- 2019	BSc. Family & Community Science	80
2019-2020	BSc. Family & Community Science	58
220-2021	BSc. Family & Community Science	77

BATCH & PROGRAM	**Pass percentage**

2018-2019	MSc. Dietetics & Food Service Management	100
2019-2020	MSc. Dietetics & Food Service Management	100
2020-2021	MSc. Dietetics & Food Service Management	YET TO

11.4 Improvement in Academic Performance Index of Students-

11.5 Improvement in Student-Teacher Ratio - NIL

11.6 Enhancement of Faculty Qualification Index -NIL

11.7 Improvement in Faculty Research Publications, R&D Work and Consultancy Work

Title of paper	**Name of the teacher**	**Name of journal**	**ISBN/ISSN number**
Evaluation of the Effectiveness of Acid-Neutralizing Property of Traditional Antacids commonly used in India	**Fazeela Muhammed Rasheed**	Banaras Hindu University, Varanasi, India.	**ISSN -0447-9483**
Formulation of Composite Squash from Selected Herbs and its Evaluation in Terms of Physicochemical, Nutritional and Sensory Qualities	**Sreelakshmi S**	Banaras Hindu University, Varanasi, India.	**ISSN -0447-9483**

11.8 Continuing Education

11.9 New Facility Created

- Mannequin
- Stadiometre
- Weighing balance
- Tailoring machine
- Sphygmomanometer
- canopy

11.10 Overall Improvements since last accreditation, if any, otherwise, since the commencement of the programme

Number of students increased in everybatch

12 Events in Department

12.3 Seminars/Conferences/Workshops conducted(National and International)

12.3.4 Number of national seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years

Name of the seminar / workshop / symposium / conference	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants
DISTRICT LEVEL SEMINAR ON PRAGMATIC SUSTANANCE &UPCYCLINGING	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		29TH NOVEMBER 2019	**TEACHERS AND STUDENTS OF THE DEPARTMENT**	**112**
Exhibition and awareness programme on Nutritious food	**Health Department ,Kottayam**		**August 6th and 7th 2018**	**WHOLE COLLEGE**	
Commemoration of Day Against drug abuse	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		**June 26th 2018**	**WHOLE COLLEGE**	
Awareness programme ,rally and health checkup as a part of National Nutrition week	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		**September 14th 2018**	**WHOLE COLLEGE**	
Food fest –RASASI by Msc. Dietetics students	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		**30/11/2018 to 4/12/2018**	**WHOLE COLLEGE**	
– Intercollegiate Nutrifest "NUTRICHRIS"	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		**18/12/2018**		**165**
Snack fest to popularise 22/11/2018Traditional kerala snacks	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		**22/11/2018**		**79**
Annual event	**FAMILY AND COMMUNITY**		**16/1/2019**		**90**

programme based on theme anaemia by bsc. Students	**SCIENCE DEPARTMENT**				
A demonstration programme on computer aided electric embroidery machine by experts from Brothers sewing Machines	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		**17/1/2018**		**58**
Heath and fitness training class from fitness trainers from US.	**In Association with Physical Education Department.**		**February 2019**		**78**
Association Inauguration by Mr.Thomas Zachariah ASAP trainer and founder head @BICS	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		**17/9/2018**		**112**
Conducted an awareness programme on PCOD and diet through lecture class with PowerPoint presentation. (By PG 2nd year students)	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		**1/10/2018**		**69**
Extension programme done by BSc. Students on the theme: "Be Anaemia free, Fit for donation, Fit for	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		**November 21st 2018**		**29**

life". A lecture class with relevant teaching aids , distribution of iron rich food packets and BMI checkup was done					
Celebrated National Nutrition week. A rally was conducted in the college campus, holding placard on Nutrition message, programme named as "Threpsis".	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		**05/09/2019**		**72**
Public health nutrition programme	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT AND FEDERAL BANK**		18th,19th,20th ,25th of February 2020	**DEPARTMENT LEVEL**	**41**
Webinar on dietetic perspectives of diabetic neuropathy & nephropathy (**webinar)**	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		13/06/2020	**DISTRICT LEVEL**	**89**
Role of dietitian in dysphagia (International **webinar)**	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		17/06/2020	**DEPARTMENT LEVEL**	**80**
Impact of food adulteration on health and the need for planation drive (**webinar)**	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		11/09/2020	**DEPARTMENT LEVEL**	**65**
Workshop on "social	**FAMILY AND COMMUNITY SCIENCE**		18/09/2020	**DEPARTMENT LEVEL**	**79**

entrepreneurship" (online)	**DEPARTMENT**				
Holistic health care : a homeopathic perspective (international **webinar)**	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		27/07/2020	**INTERNATONAL**	**82**
Tunning into research (**webinar)**	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		29/10/2020	**DEPARTMENT LEVEL**	**85**
Webinar on " pediatric critical care"	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		07/07/2020	**DEPARTMENT LEVEL**	68
Webinar on" immune boosting foods- ayurvedic perspectives" in association with field out reach bureau	**Field out reach bureau kottayam**		16/10/2020	**DISTRICT LEVEL**	72
Webinar on "traditional foods and immunity"	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		12/10/2020	**DEPARTMENT LEVEL**	75
Webinar on "integrated child development scheme: the current scenario"	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		23-01-2021	**DEPARTMENT LEVEL**	
Webinar in association withfield outreach bureau , as part of "ekh bharath sresht bharath" topic- food culture of himachal pradesh	**Field out reach bureau**		27-01-2021	**NATIONAL LEVEL**	82
Webinar on " protection from cyber abuse, a human right"	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		25-01-2021	**DEPARTMENT LEVEL**	58
Webinar on "where does our food come from??" as part of cancer day	**Humane society**		11-02-2021	**INTERNATIONAL**	70

awareness campaign, in association with human society international	**international**				
Webinar on " food safety issues: determination by application of physics and their management	**Department of physics CMS College**		25-02-2021	**STATE LEVEL**	79
Webinar on " anaemia awareness"	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		17-02-2021	**DEPARTMENT LEVEL**	92
Webinar on " early moment in life matters,myths and taboos on lactation- voice from the field	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		05-08-2021	**DEPARTMENT LEVEL**	72
Webinar on"paradigm shift in homescience"	**FAMILY AND COMMUNITY SCIENCE DEPARTMENT**		20-02-2021	**DEPARTMENT LEVEL**	71
Workshop on production of electronic information for extension education	**DBT FUND**		10-03-2021	**DEPARTMENT LEVEL**	65
Food safety supervisor trainning	**DBT FUND**		11/03/201	**DEPARTMENT LEVEL**	74
Workshop on "ecofriendly utilities"	**DBT FUND**		12-03-2021	**DEPARTMENT LEVEL**	
Workshop on " basic kids garments"	**DBT FUND**		13-03-2021	**DEPARTMENT LEVEL**	
Workshop on" food preservationtechniques"	**DBT FUND**		14-03-2021	**DEPARTMENT LEVEL**	
Workshop on surface embellishment techniques on fabrics"	**DBT FUND**		15-03-2021	**DEPARTMENT LEVEL**	
Online workshop " fevicryl hobby ideas"	**DBT FUND**		16-03-2021	**DEPARTMENT LEVEL**	
Online workshop on"dry flower arrangement"	**DBT FUND**		17-03-2021	**DEPARTMENT LEVEL**	

12.3.5 Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 3 years

Name of the Summer school programme	**Funding agency**	**Amount of fund**	**Date From – To**	**Beneficiary type : Teachers/ students**	**Number of participants**

				(UG/PG)	
NIL					

12.3.6 Number of awards for innovation won by department during the last 3 years

Title of the innovation	**Name of the Awardee**	**Name of the Awarding Agency with contact details**	**Year of Award**	**Category-department// research scholar/student**
NIL				

12.3.7 Academicians visited

Name and designation of the academician	**Name of the Institute/ University of the academician**	**Country to which the academician belong**	**Name of the programme attended by the academician**	**Type of the programme attended by the academician**	**Beneficiaries of the programme**	**Funding agency of the programme**
Dr. Jinu John	**Cms college kottayam**	**India**	**Workshop on food analysis**	**Workshop**	**Students**	**Dbt star fund**

Dr. Smitha	**Cms college kottayam**	**India**	**Workshop on ecofriendly utilities and creative arts**	**Workshop**	**Students**	**Dbt star fund**

12.4 MoU's and Tie-ups

12.4.4 Number of Collaborative activities for research, faculty exchange,student exchange during the last 3 years

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Source of financial support	Duration	Nature of the activity
	NIL					

12.4.5 Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 3 years

Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage	Name of the participant
Dietary internship	Zuri hotel ,kumarakom	**2016**	**One month**	**INTERNSHIP**	Susan , lakshmi, anjali , Akshaya V Ranjini
Dietary internship	Believer's hospital Thiruvalla	2015	**One month**	**INTERNSHIP**	Akshaya V Ranjini
Dietary internship	MIMS hospital calicut	2017	**One month**	**INTERNSHIP**	Akshaya V Ranjini
Dietary internship	Aster med city,cochi	2018	**One month**	**INTERNSHIP**	Anu mol Saranya john Maneesha VR

Dietary internship	Rajagiri hospital cochi	2018	**One month**	**INTERNSHIP**	Merit and Arunima anil
Dietary internship	Institute of health intelligence and research Neloor,AP	2019	**One month**	**INTERNSHIP**	AmiluSalim Aparna V R Asifa M S ChandhiniBiju Elizabeth Justin Jincy Joy KeerthySubrhamanyan Krishna T K Leah AnnaAbraham LincyLiyochan Liza Benny Merin Roy M Merlin Mary Babu Minnu Alex Revathy G M Sreelakshmi P Thampy Sruthy Roy Sruthy S VidyaSahu

12.4.6 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 3 years (only functional MoUs with ongoing activities to be considered)

Organization with which MoU is signed	**Name of the institution/ industry/ corporate house**	**Year of signing MoU**	**Duration**	**List the actual activities under each MoU year wise**	**Number of students/teachers participated under MoUs**
NIL					

13.3. Institutes, Scholarships, Endowments

13.3.1. Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government schemes) during the last 3 years

Formula:

$$\text{Percentage} = \frac{\text{Number of students benefited by by scholarships and freeships}}{\text{Total number of students}} \times 100$$

Name of the scholarship/freeship	Number of students benefited
NIL	

13.4. Fund generated by the department (minor projects, major projects, workshops, symposia, travel grant, scholarship, and if any other)

Type of fund generated	Amount (Rs.)	Name of the Faculty that attracted the fund
FOOD FEST		

13.5. Total number of employability training programmes conducted by the department during the last 3 years and the total number of students attended the programme

Name of the employability training programme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
VALUE ADDED COURSE ON BAKERY AND CONFECTIONERY	2020	70	SHYAMAS SWEET HEART CAKES AND CHOCOLATES- 9544773340
VALUE ADDED COURSE IN CREATIVE ARTS AND ENVIRONMENT MANAGEMENT	2020	22	FEVICRYL HOBBY IDEAS
SAFE FOOD PRODUCTION FOR HEALTH AND IMMUNITY	2020	45	FOSTAC- 9961883393 Mr. James
VALUE ADDED COURSE ON CONSTRUCTION AND EMBELLISHMENT OF BASIC KIDS GARMENTS	2020	22	CHINOOS TAILORS SHYLABABU-9207204732 CHITRA FREELANCE FASHION DESIGNER -940062970

13.6. Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes

Name of the teacher	Name of the capacity enhancement scheme / training programme	Name of the institute attended	Duration of the scheme / programme
DR.MIRIAM MANI	Ict trainning for econtent development	CMS college kottayam	One week
SREELAKSHMI S	Ict trainning for econtent development	CMS college kottayam	One week

13.7. Details of extension activities of regular nature organized by the department *

Name of the extension activity	Nature of extension activity	Duration	Involvement of Percentage of students in the department
Various nutrition education programme such as webinar and surveys	Extension activity		100%
Please refer 12.3.4			

*Related to the area of knowledge of the department

13.8. Details of activities organized by the department to promote universal values*

Name of the activity	Within the campus/ outreach	Duration	Involvement of Percentage of students in the department
International webinar on " where does the food come from?"	Department level	1.30 hour	82
Wealth from waste	Department level		

13.9. Total number of cultural activities/ competitions organized by the department during the last 3 years

Sl. No.	Name of the activity	Interdepartmental / intercollegiate	Total number of students involved
1.	Talent hunt competetion	interdepartment	107
2	Poster design contest 9digital and non didgital	Intercollegiate	7
3	**Inter departmental competitions on exhibiting art,skill and talents of students- wealth from waste,No cook recipe, one dish meal,salad arrangement,vegetable carving ,vegetable printing, poster making flower arrangement,bouquet making,**	**Inter departmental**	25
4	Breast feeding week - conducted a recipe development activity on the theme Lactogogus food preparation by PG first year students.	**Inter departmental**	6
5	National Reading Day – Reading Competition	**Inter departmental**	8
6	Flower arrangement competition	Interdepartmental	36
7	Competition on surface embellishment on fabrics	Intercollegiate	17
8	World environment day- quiz competition Photography contest Trash to treasure contest	Intercollegiate	5
9	Breast feeding week- - lactogogues recipe competition Handmade poster competition	Intercollegiate	3

10	**World safety day- slogan writing contest**	**Intercollegiate**	**5**

13.10. Alumni contribution during the last 3 years (Amount in Rupees)

Instead of contributing money to the department, various alumni has given free webinar (as key speaker) as they are in a reputed position such as ICDS SUPERVISOR, NIN PROJECT MANAGER, BARIATRIC NUTRITIONIST AT DOHA etc.

Name of the alumnus/ alumni association	AADHAR / PAN	Year of graduation	Year of contribution	Quantum of contribution (Rs.)

14. SWOT Analysis

13.1. Identify Strength, Weakness, Opportunities and Threats of the Department

STRENGTH	WEAKNESS	OPPORTUNITIES	THREATS
Well-designed curriculum focusing on relevant and current needs.	Inadequacy of classrooms, washrooms and rest rooms.	Subjects are directly applicable in real life and could be successfully utilized for the betterment of the individual& the society	Insufficient infrastructure for the staff and students.
Good faculty: Student Ratio	Inadequacy of ICT facilities	MOU with industries/ hospitals for internships/ visits.	Poor academic performanceby Somestudents.
Functions as consultancy with food industry for expert advice.Conducting regular webinars in association with Field outreach bureau,Govt.of India	Majority of students are from poor socio-economic backgrounds.	Improvement in ICT facilities	Low acceptance of BSc .Course by some persons.
Well equipped Nutrition ,Textile Science & Fashion laboratory	.		

13.2. Good practices, if any

- Gender equity promotion programs
    - Invited talk on Women Empowerment and Skill Development is conducted every year by thedepartment.
    - During mentoring sessions discussions on gender sensitive issues are discussed withstudents.

- Gender sensitivity in providing facilities such as:
    - Safety and Security:Nil
    - Counseling :Nil
    - Common room:Nil
- Green practices: (Green Audit)
- Development & Sale of Art & Craft articles made from Wastematerials at the end of every year along with ChristmasCelebration.

- Project activities on utilization of waste materials as a part ofCurriculum for SemesterVI.

- Banners and posters for various department activities are made witheco friendlymaterials.
- Initiatives that contribute to local community

    - Extension activities related to improvement of Health & Nutritional status among the general public as a part of the Post GraduateCurriculum (Public healthNutrition-Practical) and also as an extension activity of BSc.students

    - Observation of various International Days (such s AIDS Day, World Breastfeeding Week, National Nutrition Week etc.) with activitiessuch as poster designing competitions, awareness rally, awarenessclasses etc.

    - Community Nutrition survey & Education Programme is conducted by the students of MSc. Dietetics & Food ServiceMangement.Bsc.Students also take part in

various extension activities

- Code of Conduct Handbook/Display of core values/Duties &Rights of citizens
- Activities to increase consciousness about national identities and symbols
- Course on human values and professional ethics
- Departmental functioning is as per professional code
  Yes
- Activities to promote universal values
- Observation of various International Days (such as AIDS Day, World Breastfeeding Week, National Nutrition Week etc.) with activities such as poster designing competitions, awareness rally, awarenessclasses.
- In order to enhance the creativity amongst students, the Department ofHome Science conducts different workshops related to Interior decoration and Resource Management & FineArts.
- Provides formal training to shoulder all the responsibilities and copeup efficiently with multifarious demands of the time andenergy.
- Develops a range of theoretical and practical skills that form anappropriate basis for subsequent professionalemployment.
- A yearly newsletter 'The Meridien' is published by the department including articles contributed by students and faculty focusing on variousissues.
- A class magazine Cynosure ,published by 1st year BSc.Students also played a role in developing the values.
- Complete transparency in its financial, academic, administrative and auxiliary functions
  - Department meeting are conducted every month and also when a need arises. It is presided by the Head of the Department. Datails on fumnds utilized in the academic year is discussed and recorded in the minutes. Funds and accounts are maintained in joint Bank account with Principal, HOD and

the second senior teacher of the Department as account holders and taken whenever there is a need forstudents.

- Remedial teaching
    - Mentoring of academically weak students are conducted by the concerned faculty in eachcourse.

- Activities to increase the quality of teaching methodology
- Use of projectors for power point presentation of relevant topics in thecurriculum.
- Seminars, assignmentsand
- Demonstration of Various skill development activities such asFlower arrangement, Art & Craft activities, Wealth out of Wasteetc.

- Any other relevant best practices

DSAR SCORE CARD HOME SCIENCE

CMS College Kottayam
Department Accreditation Score Card
Department of Home science

Quantitative Matrices:

7. Programme curriculum

Metric No.			Weight	Cumulative Weight (Scored)	cumulative weight (Maximum)
7.5.1	Percentage of programs where syllabus revision was carried out during the last 3 years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses revised}}{\text{Total number of courses in the programme}} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21 PG: 1. 2018-19 2. 2019-20 3. 2020-21	$(0/26) \times 100 = 0$ $(0/26) \times 100 = 0$ $(0/26) \times 100 = 0$ $(0/24) \times 100 = 0$ $(1/24) \times 100 = 4.1$ $(0/24) \times 100 = 0$	0 0 0 0 5 0		20
	Average weight scored		5	$(5/6) = .8$	20

	Documentary evidences: *1. List of courses revised* *2. Copy of approved curriculum* 3. *Minutes of the Board of Studies (2016 onwards)*				
7.8	Average percentage of theory courses offered having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of courses offered with above focus}}{\text{Total number of courses in the programme}} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21 PG: 1. 2018-19 2. 2019-20 3. 2020-21	$(7/26) \times 100 = 26$ $(7/26) \times 100 = 26$ $(7/26) \times 100 = 26$ $(4/24) \times 100 = 16$ $(4/24) \times 100 = 16$ $(4/24) \times 100 = 16$	6 6 6 4 4 4		10
	Average weight scored ***Documentary evidences:*** *1. List of courses with the above focus* *2. Copy of approved curriculum* *3. Minutes of the Board of Studies (2016 onwards)*		30	$(30/6) = 5$	10

7.9	New courses introduced: Add-on,/extra credit, Certificate/Diploma etc. for the period 2014-17: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of new courses introduced}}{\text{Total number of courses}} \times 100$ UG: 4. 2018-19 5. 2019-20 6. 2020-21 PG: 4. 2018-19 5. 2019-20 6. 2020-21	$(1/26) \times 100 = 3.8$ $(1/26) \times 100 = 3.8$ $(3/26) \times 100 = 3.8$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	4 4 4 0 0 0		10
	Average weight scored ***Documentary evidences:*** *1. Copy of approved curriculum* *2. Minutes of the Board of Studies (2016 onwards)*		12	$(12/6) = 2$	10
7.11	Average percentage of students enrolled in those courses during the years: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt				

	1% - 24% : 5 wt $\frac{\text{Number of students enrolled in the course}}{\text{Total number of students in the dept}} \times 100$ UG: 7. 2018-19 8. 2019-20 9. 2020-21 PG: 7. 2018-19 8. 2019-20 9. 2020-21	$(23/77) \times 100 = 29$ $(23/77) \times 100 = 29$ $(23/77) \times 100 = 29$ $(0/0) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$	10 10 10 0 0 0		20
	Average weight scored ***Documentary evidences:*** *1. Brochure* *2. Copy of approved curriculum* *3. Minutes of the Board of Studies (2016 onwards)* *4. MoU, if any*		$(30/6) = 5$	5	20
7.12	Average percentage of courses (theory/practical) offered as part of the UG/PG programme having focus on employability / entrepreneurship / skill development: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt				

	$\frac{\text{Number of courses with above focus}}{\text{Total number of courses in the programme}} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21 PG: 1. 2018-19 2. 2019-20 3. 2020-21	$(4/26) \times 100 = 15$ $(4/26) \times 100 = 15$ $(4/26) \times 100 = 15$ $(5/24) \times 100 = 20$ $(5/24) \times 100 = 20$ $(5/24) \times 100 = 20$	5 5 5 5 5 5		20
	Average weight scored ***Documentary evidences:*** *1. Copy of approved curriculum* *2. Minutes of the Board of Studies (2016 onwards)* *3. MoUs with relevant organizations*		30	$(30/6) = 5$	20
7.13	Percentage of students undertaking field projects/internships during the years: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\%\ \text{of students} = \frac{\text{Number of students undertaking field projects or internships}}{\text{Total number of students}} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21 PG: 1. 2018-19 2. 2019-20 3. 2020-21	$(0/76) \times 100 = 0$ $(0/76) \times 100 = 0$ $(0/76) \times 100 = 0$	0 0 0 10 10 10		10

		$(6/6) \times 100 = 100$ $(5/5) \times 100 = 100$ $(19/19) \times 100 = 100$			
	Average weight scored ***Documentary evidences:*** *1. MoUs with relevant organizations* *2. Copy of student internship certificates/ reports* *3. Correspondence with relevant organizations*		30	$(30/6) = 5$	10
		Total	-	22.8	**90**

8. Result and Student Performance

Metric. No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
8.1	Success Rate of courses in UG and PG programmes Weightage distribution: 90% - 100% : 70 wt 80% - 89% : 63 wt 70% - 79% : 56 wt 60% - 69% : 49 wt 50% - 59% : 42 wt 40% - 49% : 35 wt 30% - 39% : 28 wt 20% - 29% : 21 wt 10% - 19% : 14 wt 1% - 9% : 7 wt <1% : 0 wt $\frac{\text{No. of students who passed the course examination in a year}}{\text{No. of students appeared for the course examination in a year}} \times 100$				70

	2018-19:				
	UG Programme (Courses offered)	(27/30) × 100 = 90.0	70		
	1. **HS16118 FAMILY RESOURCE MANAGMENT**				
	2. **HS16119 INTERIOR DECORATION AND FAMILY RESOURCE MANAGEMENT (P)**	(30/30) × 100 = 100	70		
	3. **HS16120 CLINICAL NUTRITION AND DIETETICS**				
	4. **HS16121 HUMAN NUTRITION AND BIOCHEMISTRY AND CLINICAL NUTRITION AND DIETETICS (P)**	(30/30) × 100 = 100	70		
	5. **HS16122 FASHION DESIGNING AND APPAREL PRODUCTION**	(30/30) × 100 = 100	70		
	6. **HS16123 TEXTILE SCIENCE AND FASHION DESIGNING AND APPAREL PRODUCTION (P)**	(28/30) × 100 = 93	70		
	7. **HS16124 MASS COMMUNICATION AND JOURNALISM**	(30/30) × 100 = 100	70		
	8. **HS16125 DYNAMICS OF EXTENSION AND MASS COMMUNICATION AND JOURNALISM**		63		
	9. **FOOD QUALITY ASSURANCE HS16326**	(29/30) × 100 = 96	70		
	10. **Project**		56		
	11. **CH14214 ADVANCED BIO ORGANIC CHEMISTRY**	(30/30) × 100 = 100	70		
	12. **CH14215 ORGANIC CHEMISTRY PRACTICALS**		70		
	13. **ZY14215 APPLIED ZOOLOGY**	(25/30) × 100 = 83	70		
	14. **ZY14216 HUMAN PHYSIOLOGY AND IMMUNOLOGY AND APPLIED ZOOLOGY (P)**	(30/30) × 100 = 100	70		
	15. **BY1715401 AGRI-BASED MICROENTERPRISES**	(22/30) × 100 = 73	70		
	16. **CH1715401 FORENSIC SCIENCE**		42		
	17. **CM1715401 CAPITAL MARKET AND INVESTMENT MANAGEMENT**	(30/30) × 100 = 100	70		
	18. **HY1715401 SOCIAL IMPLICATIONS OF MODERN REVOLUTIONS**		70		
	19. **ML1715401 PATHRAPRAVARTHANAM**				
	20. **ZY1715401 VOCATIONAL ZOOLOGY**		70		

	(APICULTURE,VERMICULTURE AND ORNAMENTAL FISH CULTURE)	$(29/30) \times 100 = 96$			
	21. **EN1814507 ILLUMINATIONS**		70		
	22. **HN1814506 DRAMA AND LONG POEM**	$(30/30) \times 100 = 100$	70		
	23. **ML1814508 MALAYALA GADHYARACHANAKAL**		63		
	24. **SC1814506 POETRY, GRAMMAR AND SYRIAC HERITAGE IN INDIA**	$(4/4) \times 100 = 100$	70		
		$(7/7) \times 100 = 100$			
	PG Programme (Courses offered)	$(1/2) \times 100 = 50$			
	1. HS24116 PUBLIC HEALTH NUTRITION		70		
	2. S24117 FOOD MICROBIOLOGY AND SANITATION		70		
	3. HS24118 NUTRITION IN SPORTS AND FITNESS	$(1/1) \times 100 = 100$	70		
	4. HS24119 ENTREPRENEURSHIP MANAGEMENT		70		
	5. HS24120 PUBLIC HEALTH NUTRITION PRACTICAL AND FIELD WORK	$(6/6) \times 100 = 100$	70		
	6. HS24121 Dissertation		70		
	7. HS24122 VIVA-VOCE		70		
	2019-20:	$(3/3) \times 100 = 100$			
	UG Programme (Courses offered)				
	1. **HS1716109 FAMILY RESOURCE MANAGEMENT**		63		
	2. **HS1716110 CLINICAL NUTRITION AND DIETETICS**	$(21/22) \times 100 = 95$	56		
	3. **HS1716111 FASHION DESIGNING AND APPAREL PRODUCTION**		63		
	4. **HS1716112 EXTENSION EDUCATION AND DEVELOPMENTAL COMMUNICATION**	$(2/2) \times 100 = 100$	63		
	5. **HS1716301 FOOD SAFETY**		56		
	6. **HS1716603 INTERIOR DECORATION AND FAMILY RESOURCE MANAGEMENT(P)**	$(16/18) \times 100 = 88$	70		
	7. **HS1716604 BIOCHEMISTRY, CLINICAL**		70		

	NUTRITION AND DIETETICS (P)	$(2/2) \times 100 = 100$			
	8. **HS1716605 TEXTILE SCIENCE AND FASHION DESIGNING AND APPAREL PRODUCTION (P)**		70		
	9. **HS1716606 ENVIRONMENTAL STUDIES AND EXTENSION EDUCATION**		70		
	10. **HS1716801 PROJECT WORK**		70		
	11. **CH1714702 ORGANIC CHEMISTRY (P)**		70		
	12. **ZY1714204 APPLIED ZOOLOGY**		49		
	13. **ZY1714702 PHYSIOLOGY AND IMMUNOLOGY AND APPLIED ZOOLOGY (P)**	$(6/6) \times 100 = 100$	70		
	14. **BY1815401 AGRI-BASED MICROENTERPRISES**	$(6/6) \times 100 = 100$	70		
	15. **CH1815401 FORENSIC SCIENCE**		70		
	16. **ML1815401 PATHRAPRAVARTHANAM**	$(6/6) \times 100 = 100$	70		
	17. **PE1815401 PHYSICAL HEALTH AND LIFE SKILLS EDUCATION**		70		
	18. **ZY1815401 VOCATIONAL ZOOLOGY (APICULTURE,VERMICULTURE AND ORNAMENTAL FISH CULTURE)**	$(6/6) \times 100 = 100$	70		
	19. **EN1811501 Fine-tune Your English**		63		
	20. **Pearls from the Deep**	$(6/6) \times 100 = 100$	49		
	21. **EN1812503 Issues that Matter**		56		
	22. **EN1813505 Literature and/ as Identity**	$(6/6) \times 100 = 100$	49		
	23. **HN1813505 Poetry Grammar and Translation**	$(6/6) \times 100 = 100$	49		
	24. **ML1913507 DRISHYA KALA SAHITHYAM**		70		
	25. **SC1813505 Prose, Grammar & Literature**	$(6/6) \times 100 = 100$	70		
	PG Programme (Courses offered)				
	1. HS24116 PUBLIC HEALTH NUTRITION	$(21/24) \times 100 = 80.0$	70		
	2. S24117 FOOD MICROBIOLOGY AND SANITATION				
	3. HS24118 NUTRITION IN SPORTS AND FITNESS		70		

	4. HS24119 ENTREPRENEURSHIP MANAGEMENT 5. HS24120 PUBLIC HEALTH NUTRITION PRACTICAL AND FIELD WORK 6. HS24121 Dissertation 7. HS24122 VIVA-VOCE **2020-21:** **UG Programme (Courses offered)** **PG Programme (Courses offered)**	$(17/24) \times 100 = 70$ $(21/24) \times 100 = 80$ $(21/24) \times 100 = 80$ $(18/24) \times 100 = 75$ $(23/24) \times 100 = 95$ $(23/24) \times 100 = 95$ $(23/24) \times 100 = 95$ $(23/24) \times 100 = 95$ $(23/24) \times 100 = 95$ $(24/25) \times 100 = 96$ $(17/25) \times 100 = 68$	70 70 70 70 70		

		$(24/25) \times 100 = 96$ $(11/11) \times 100 = 100$ $(8/8) \times 100 = 100$ $(1/1) \times 100 = 100$ $(1/1) \times 100 = 100$ $(1/1) \times 100 = 100$ $(21/25) \times 100 = 84$ $(16/25) \times 100 = 64$ $(18/25) \times 100 = 72$ $(16/25) \times 100 = 60$ $(3/5) \times 100 = 60$ $(16/17) \times 100 = 94$			

		$(1/1) \times 100 = 100$ $(5/5) \times 100 = 100$ $(5/5) \times 100 = 100$ $(5/5) \times 100 = 100$ $(5/5) \times 100 = 100$ $(5/5) \times 100 = 100$ $(5/5) \times 100 = 100$ $(5/5) \times 100 = 100$			
	Average weight scored ***Documentary evidences:*** *1. Semester wise result records from COE*		$(\frac{4130}{63})$ = 65	65	70
8.2	Percentage of students qualifying state/ national/ international level examinations for the last 5 years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/ State				

	government examinations/ other examination) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students appeared for the exam}} \times 100$ UG: 4. 2018-19 5. 2019-20 6. 2020-21 PG: 1. 2018-19 2. 2019-20 3. 2020-21	$(0/76) \times 100 = 0$ $(0/76) \times 100 = 0$ $(0/76) \times 100 = 0$ $(0/30) \times 100 = 0$ $(0/30) \times 100 = 0$ $(0/30) \times 100 = 0$	0 0 0 0 0 0		20
	Average weight scored ***Documentary evidences:*** *1. Year wise list of students qualifying each examination*		0	$(0/6) = 0$	20
8.3.1 & 8.3.3	Average % of placement of outgoing students during last 3 years (Weightage distribution: 75% - 100% : 40 wt 50% - 74% : 30 wt 25% - 49% : 20 wt 1% - 24% : 10 wt $\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$ **UG:** 1. 2018-19 outgoing batch (till now) 2. 2019-20 outgoing batch (till now) 3. 2020-21 outgoing batch (till now) **PG:**	$(0/25) \times 100 = 0$ $(0/25) \times 100 = 0$	0 0 0 20		40

	1. 2018-19 outgoing batch (till now) 2. 2019-20 outgoing batch (till now) 3. 2020-21 outgoing batch (till now)	$(0/25) \times 100 = 0$ $(3/10) \times 100 = 30$ $(3/10) \times 100 = 30$ $(3/10) \times 100 = 30$	20 20		
	Average weight scored ***Documentary evidences:*** *Annual Report of Placement Cell*		60	$(60/6) = 10$	40
8.3.2 & 8.3.4	% of outgoing student progression to higher studies during last 5 years Weightage distribution: 75% - 100% : 30 wt 50% - 74% : 20 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of outgoing students progressing to higher education}}{\text{Total number of final year students in the programme}} \times 100$ **UG:** 1. 2018-19 outgoing batch (till now) 2. 2019-20 outgoing batch (till now) 3. 2020-21 outgoing batch (till now) **PG:** 1. 2018-19 outgoing batch (till now) 2. 2019-20 outgoing batch (till now) 3. 2020-21 outgoing batch (till now)	$(10/77) \times 100 = 13$ $(10/77) \times 100 = 13$ $(10/77) \times 100 = 13$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	5 5 5 0 0 0		

		(0/0) × 100 = 0			
	Average weight scored ***Documentary evidences:*** *Alumni data base (batch wise file of data containing student name, programme, year of study, contact details with email and phone number, present status (employment/higher studies).*		(15/6) = 2.5	2.5	30
8.4.1	Number of students participated in sports at state/national/ international level during the last 3 years 1. International : 10 wt per student 2. National : 5 wt per student *3.* State : 3 wt per student	10 × 0 =0 5 × 0 = 0 3 × 0 = 0	0		20
	Documentary evidences: *Participation certificates*		0	0	20
8.4.2	Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years 1. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 2. Intramural (1^{st} and 2^{nd} prices) : 5 wt per student	10 × 0 =0 5 × 0 = 0	0		20
	Documentary evidences: *Award certificates*		0	0	20
8.4.3	Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 5 years 1. International : 10 wt per student 2. National : 5 wt per student 3. State : 3 wt per student	10 × 0 = 0 5 × 0 = 0 3 × 0 = 0	0		20
	Documentary evidences: *Participation certificates*		0	0	20
8.4.4	Number of awards/ medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years				

	1. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 2. Intramural 1^{st} and 2^{nd} prices) : 5 wt per student	$10 \times 1 =$ 10 $5 \times 0 = 0$	10		20
	Documentary evidences: *Award certificates*		10	10	20
8.4.5	Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(107/107) \times 100 = 100$ $(107/107) \times 100 = 100$ $(107/107) \times 100 = 100$	20 20 20	16.6	20
	Average weight scored ***Documentary evidences:*** *1. Letter from the agency/Any other documents relating to the activity*		$(60/3) = 20$	20	20
8.4.6	Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 5 years Weightage distribution: 75% - 100% : 10 wt				

	50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(0/280) \times 100 = 00$ $(0/280) \times 100 = 00$ $(0/280) \times 100 = 00$	0 0 0		10
	Average weight scored ***Documentary evidences:*** *1. List from the concerned teacher in charge (programme officer, NCC Officer, etc.)*		**0**	$(0/3) = 0$	10
8.4.7	Total number of academic events organized with professional societies/ chapters Example: **Name of the student** | **Name of society/chapter** | **Academic event organized** xx | | | | | | | | | 2 wt per event	$0 \times 2 = 2$	0		10
	Average weight scored ***Documentary evidences:*** *1. Brochures of the events* *2. Photographs of the events* *3. Reports of the events*		0	0	10
8.4.8	(a) Organization of paper contests/design contests/ exhibition, etc. during the last 5 years by department organization 2 wt per one event –Maximum wt 10.	$11 \times 2 = 22$	22		

	Average weight scored ***Documentary evidences:*** *1. Brochures* *2. Photographs*		22	10	10
8.4.9	Total number of UG/PG/PhD student publications in UGC approved research journals 5 wt per publication (Maximum 20 wt) 1. 2018-19 2. 2019-20 3. 2020-21	5×0 = 0 5×0 = 0 5×0 = 0	0 0 0		20
	Average weight scored ***Documentary evidences:*** *Copies of publications*		0	(0/3) = 0	20
8.4.10	(a) Total number of entrepreneurship initiatives during the last 5 years 5 wt per initiative 1. 2018-19 2. 2019-20 3. 2020-21	0×5 = 0 0×5 = 0 0×5 = 0			20
	Weight scored ***Documentary Evidences:*** *Report and photographs of each initiatives*	0	0/3 =0	0	20
	(b) Total number of product designs and innovations 5 wt per product or innovation 1. 2018-19 2. 2019-20 3. 2020-21	0 0 0		15	30
	Weight scored ***Documentary Evidences:*** *Project report with working model*	0	0/3 = 0	0	30

8.4.11	Average number of awards in inter – institute events/ intercollegiate fest/exhibition/ paper contests/design contests, etc. for students (1^{st}, 2^{nd}, 3^{rd} prices) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of students achieved in such contests}}{\text{Total number of students in the dept}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(0/106) \times 100 = 00$ $(1/106) \times 100 = .9$ $(0/280) \times 100 = 1.8$	0 0 5		10
	Average weight scored ***Documentary evidences:*** *Certificates of achievement*		5	$(5/3) = 1.6$	10.0
		Total		134.1	370

9. Faculty contributions

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
9.3.1	(a) Percentage of full time teachers with Ph.D. Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{No. of teachers in the department registered for Ph. D.}}{\text{Total No. of teachers in the department having no Ph. D.}} \times 100$	$(2/6) \times 100 = 33$	10		20
	Average weight scored ***Documentary evidences:*** *1. Copy of Ph.D. certificate*		10	10	20
	(b) Percentage of full time teachers registered for Ph.D. after appointment (during the last 3 years) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{No. of teachers in the department awarded Ph. D.}}{\text{Total No. of teachers in the department registered for Ph. D.}} \times 100$	$(0/6) \times 100 = 0$	0		10
	Average weight scored ***Documentary evidences:*** *1. Copy of registration certificate (valid for five years from the date of registration)*		0	0	10

9.3.2.	Number of teachers awarded university/state/national/international fellowship (post-doctoral) for advancedstudies/research during the last 3 years International: 8 wt National : 6 wt State : 4 wt University : 2 wt 1. 2018-19 2. 2019-20 3. 2020-21	$0\times6 = 0$ $0\times4 = 0$ $0\times0 = 0$ $0\times0 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	20.0
9.3.3	Percentage of teachers recognized as research guides Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers with Ph. D.}} \times 100$	$(0/6) \times 100 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order*		0	0	20
9.6	Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years Weightage distribution: 1. 3 Ph.D.s awarded per teacher : 20 wt 2. 2 Ph.D.s awarded per teacher : 15 wt 3. 1 Ph.D. awarded per teacher : 10 wt $\frac{\text{Total number of Ph. D. degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$	$(0/0) = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order of award of Ph.D. degree*		0	0	20
9.7	Average percentage of teachers using ICT				

	for effective teaching with Learning Management Systems (LMS), E-learning resources, virtual lab etc. Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$	$(6/6) \times 100 = 100$	10		10
	Average weight scored ***Documentary evidences:*** *1. List of teachers* *2. ICT resources prepared by each teacher in CD format/uploaded in the College website*		10	10	10
9.8	Faculty as participants/ resource persons in faculty professional development/ training Activities/ seminars/ workshops/ symposia/ conferences (national & international) International: 1. No. of faculties >10 : 10 wt 2. No. of faculties 5-10 : 5 wt 3. No. of faculties 1-5 : 2 wt National: 1. No. of faculties >10 : 5 wt 2. No. of faculties 5-10 : 3 wt 3. No. of faculties 1-5 : 1 wt	21 31	10 5		10
	Average weight scored ***Documentary evidences:*** *1. List of teachers* *2. Certificates of participation*		15	10	10.0
9.10.1	Number of research papers per teacher in the Journals notified on UGC website during the last 3 years Weightage distribution: 1. > 5 papers per teacher : 20 wt 2. 3-4 papers per teacher : 15 wt 3. 2 papers per teacher : 10 wt 4. 1 paper per teacher : 5 wt $\frac{\text{Total number of publications in the last 3 years}}{\text{Total number of teachers who published}}$	$(2/2) = 1$	5		20

	Average weight scored ***Documentary evidences:*** *Copy of the papers*		5	5	20
9.10.2	Number of books and chapters in edited volumes / books published (ISSN), and papers in national/international conference-proceedings (ISSN) per teacher during the last 5 years Weightage distribution: 1. 20 wt per book 2. 10 wt per book chapter 3. 4 wt per papers in national/ international conference - proceedings	$20 \times 0 = 0$ $10 \times 0 = 0$ $4 \times 3 = 12$	0 0 12		20
	Average weight scored ***Documentary evidences:*** *Copy of the books and chapters in edited volumes / books published, and papers in national/international conference-proceedings*		12	12	20
9.10.3	Sum of the bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index Weightage distribution: 1. Citation index > 10 : 30 wt 2. Citation index 7.0-9.9 : 20 wt 3. Citation index 4.0-6.9 : 10 wt 4. Citation index 1.0-3.9 : 5 wt 5. Citation index 0.1-1 : 2 wt	0	0		30
	Average weight scored ***Documentary evidences:*** *Proof of citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index*		0	0	30
9.11.1	Number of Patents published/awarded Weightage distribution: 10 wt per patent	$0 \times 10 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of patent published/awarded*		0	0	20
9.12.1 & 9.12.3	Major Research projects sponsored by government sourcessuch as UGC, DST,				

	DBT, KSCSTE, etc. and non-government sources such as industry, corporate houses, international bodies, endowments etc. (completed) Weightage distribution: 10 wt per MRP completed.	$10 \times 0 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	20
9.12.2	Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees) (Completed) Weightage distribution: 5 wt per project completed	$5 \times 0 = 0$	0		15
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	15
9.12.4	Revenue generated from Consultancy Weightage distribution: 5 wt per consultancy	$5 \times 0 = 0$	0		15
	Average weight scored ***Documentary evidences:*** 1. *Copy of MoU* 2. *Copy of bank account statements*		0	0	15
9.12.5	Revenue generated from corporate training by the department during the previous year Weightage distribution: 5 wt per training programme	$5 \times 0 = 0$	0		10
	Average weight scored ***Documentary evidences:*** *Copy of bank account statements*		0	0	10
9.13	Number of awards for innovation won by teachers Weightage distribution: 5 wt per award	$5 \times 0 = 0$	0		10
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	10
9.14	Faculty interaction with International Collaborations				

	Weightage distribution: 10 wt per collaboration	$10 \times 0 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of MoU*		0	0	20
9.15.1	Membership in academic bodies in Universities / other colleges Weightage distribution: 5 wt per membership	$5 \times 2 = 10$	10		10
	Average weight scored ***Documentary evidences:*** *Copy of membership approval letter/email/order*		10	10	10
9.16	Reviewer/Editors of International and national journals/Books (ISSN) Weightage distribution: International: 1. 5 wt per editorship 2. 2 wt per reviewership National: 1. 3 wt per editorship 2. 1 wt per reviewership	$5 \times 0 = 0$ $2 \times 0 = 0$ $0 \times 0 = 0$ $0 \times 0 = 0$	0 0 0 0		10
	Average weight scored ***Documentary evidences:*** *Copy of invitation letter/email/order from the journal to become reviewer/editor*		0	0	10
9.17	Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 5 years Average hours spent by each faculty: $(\frac{\text{Total hours spent by all the faculties in an year}}{\text{Total number of faculties}})$ 1. Greater than 200 hrs : 20 wt 2. 100 to 200 hrs : 15 wt 3. 50 to 100 hrs : 10 wt 4. 10 to 50 hrs : 5 wt 5. 1 to 10 hrs : 2 wt	339/5=67	10		20

	6. 0 hrs : 0 wt				
	Average weight scored ***Documentary evidences:*** *1. List of faculties involved* *2. Copy of relevant certificates/ orders/other documents duly signed by the Principal*		10	10	20
9.18	Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$	$(6/6) \times 100 = 100$	10		10
	Average weight scored ***Documentary evidences:*** *Copy of relevant certificates/orders/other documents duly signed by the Principal*		10	10	10
		Total		77	340

10. Academic Support Units and Teaching-Learning-Evaluation Process

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
10.1.1.	Ratio of mentor to students for academic and stress related issues (Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of mentors}}{\text{Total number of teachers in the department}} \times 100$	$(6/6) \times 100 = 100$	20		20
	Average weight scored ***Documentary evidences:*** *1. List of students under each mentor* 2. *Documentary evidences on mentor:mentee interactions*		20	20	20
10.1.2	Indicate whether the department has an effective student grievance addressing system or not. 1. Yes – 10 wt 2. No – 0 wt	Yes	10		10
	Average weight scored ***Documentary evidences:*** *1. List of students registered complaints* *2. Copies of action taken reports*		10	10	10

10.2.1	Tutorial classes to address student questions Average no. of tutorial classes conducted per teacher in an year: 1. 16 – 20 classes : 10 wt 2. 11 – 15 classes : 8 wt 3. 6 – 10 classes : 6 wt 4. 3 – 5 classes : 4 wt 5. 1 – 2 classes : 2 wt $\frac{\text{Total number of tutorial classes conducted}}{\text{Total number of teachers conducted tutorial classes}}$	0	0		10
	Average weight scored ***Documentary evidences:*** *1. Attendance register of students*		0	0	10
10.2.6	Describe the number of capability enhancement and development programmes Weightage distribution: 2 wt per programme	$2 \times 6 = 12$	12		10
	Average weight scored ***Documentary evidences:*** *1. Brochures of the programmes* *2. Attendance register of students*		12	10	10
10.2.6.3	Average percentage of students participated for competitive examinations and career counseling offered by the department/college during the last 3 years (e.g. feel employable programme) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(0/107) \times 100 = 0$ $(0/107) \times 100 = 0$ $(0/107) \times 100 = 0$	0 0 0		20

	Average weight scored ***Documentary evidences:*** *1. Brochures of the programmes* *2. Attendance register of students*		0	(0/3) = 0	20
10.2.9	Does the department have a system to check malpractices and plagiarism 1. Yes – 10 wt 2. No – 0 wt	No	0		10
	Average weight scored ***Documentary evidences:*** *1. Web-link of the plagiarism detection software* *2. Action taken report*		0	0	10
		Total		40	80

12.Events in Departments

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
12.1.1	Average number of national/international seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years Weightage distribution: International: 1. 2 – 4 programmes: 20 wt 2. 1 – 2 programmes: 10 wt National: 1. 2 – 4 programmes: 10 wt 2. 1 – 2 programmes: 5 wt 1. 2018-19 2. 2019-20 3. 2020-21	 0 0 10	 0 0 10		20
	Average weight scored ***Documentary evidences:*** *1. Brochure of the programme* *2. Photos of the programmes* *3. Reports of the programme* *4. Copy of publication of*		10	10/3 = 3.3	20

	proceedings				
12.1.2	Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 3 years Weightage distribution: 10 wt per summer school programme	10 × 0 = 0			10
	Average weight scored ***Documentary evidences:*** *1. Brochure of the programme* *2. Photos of the programme* *3. Reports of the programme*		0	0	10
12.1.3	Average number of awards for innovation won by department during the last 3 years Weightage distribution: 5 wt per award	5 × 0 = 0			10
	Average weight scored ***Documentary evidences:*** *Copy of award certificate*		0	0	10
12.1.4	Average number of academicians visited for talks or lectures Weightage distribution: 2 wt per programme	2 × 2 =4			10
	Average weight scored ***Documentary evidences:*** *1. Brochure of the programme* *2. Photos of the programme* *3. Reports of the programme*		4	4	10
12.2.1	Number of Collaborative activities for research, faculty exchange,student exchange during the last 5 years (other than faculty collaborations) Weightage distribution: 10 wt per collaboration	10 × 0 = 0			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such programmes*		0	0	20
12.2.2	Number of linkages with institutions/industries for internship, on-the-job training, project work,				

	sharing of research facilities etc. during the last 3 years Weightage distribution: 5 wt per MoU	5 × 6 =3 0			10
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such linkage programmes*		30	10	10
12.2.3	Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 5 years (only functional MoUs with ongoing activities to be considered Weightage distribution: 5 wt per MoU	5 × 0 = 0			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's*		0	0	20
12.3.1	Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government, department scholarships) during the last 3 years (Weightage distribution: 30% - 40% : 20 wt 20% - 29% : 15 wt 10% - 19% : 10 wt 1% - 9% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(0/106) \times 100 = 0$ $(0/106) \times 100 = 0$ $(0/106) \times 100 = 0$	0 0 0		20
	Average weight scored ***Documentary evidences:*** *Agreement of the Scheme with the Stakeholders*		$(0/3) = 0$	0	20

12.4	Fund generated by the department (e.g. SARD scheme of KSCSTE) Weightage distribution: 10 wt per project	$10 \times 1 = 10$			20
	Average weight scored ***Documentary evidences:*** 1. *Sanction/concurrence letters/orders* 2. *Bank account statements* 3. *Cash Register*		10	10	20
12.5	Total number of employability training programmes conducted by the department during the last 5 years and the total number of students attended the programme Weightage distribution: 5 wt per programme	$5 \times 4 = 20$			10
	Average weight scored ***Documentary evidences:*** 1. *Brochures* 2. *List of students programmewise*		20	20	10
12.6	Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes Weightage distribution: 2 wt per programme	$2 \times 2 = 4$			10
	Average weight scored ***Documentary evidences:*** *Copy of participation certificates*		4	4	10
12.7	Details of extension activities of regular nature organized by the department in adopted villages Weightage distribution: 5 wt per programme	$5 \times 1 = 5$			20
	Average weight scored ***Documentary evidences:*** 1. *Brochures of the programme* 2. *Photos of the programme* 3. *Reports of the programme*		5	5	20
12.8	Details of activities organized by the department to promote universal values Weightage distribution:				

	2 wt per programme	2 × 2 = 4			10
	Average weight scored ***Documentary evidences:*** *1. Brochures of the programme* *2. Photos of the programme* *3. Reports of the programme*		4	4	10
12.9	Total number of cultural activities/ competitions organized by the department during the last 3 years Weightage distribution: 2 wt per activity	2 × 10 = 20			10
	Average weight scored ***Documentary evidences:*** *1. Brochures of the programme* *2. Photos of the programme* *3. Reports of the programme*		20	20	10
12.10	Alumni contribution during the last 5 years (Amount in Rupees) Amount: 1. > 5 Lakhs : 20 wt 2. 1-5 Lakhs : 10 wt 3. 0.5 – <1 Lakh : 5 wt 4. < 0.5 Lakhs : 1 wt	Rs. 0.00	0	0	30
	Average weight scored ***Documentary evidences:*** *1. Copy of cheques, DD's etc. obtained from Alumni* *2. Bank account statements* *3. Cash register*		0	0	30
		Total		80.3	230

Feedback

10.2.3	Feedback received from: 1) Students – 3 wt 2) Teachers – 3 wt 3) Employers – 3 wt 4) Alumni – 3 wt 5) Parents – 3 wt for design and review of syllabus - Semester wise /year wise.	0 0 0 0 0	0		15
	Average weight scored		0	0	15

	Documentary evidences: *1. Feedback reports* *2. List of corrective measures taken*				
		Total		0	15

Qualitative Matrices:

Part – C

5. **Vision, Mission and Programme Outcomes**
6. **Programme Specific Outcomes with global relevance for developmental needs**
7. **Programme Curriculum**

7.1. Curriculum

7.2. Components of Curriculum and their relevance to PSOs and POs

7.3. Core subjects and their relevance to Program outcomes

7.4. Course Syllabus

7.5. Measures and processes used to identify the curricular gaps to the attainment of the COs/PSOs with global relevance for developmental needs.

7.6. Vertical mobility of programmes

7.7. content beyond syllabus imparted for the attainment of the COs/PSOs

9. Faculty Contributions

9.4. Faculty competencies in correlation to Programme Specific Criteria

9.5. Academic Calendar and Teaching plans

11. Continuous improvements

11.1. Improvement in Success Index of Students

11.2. Improvement in Academic Performance Index of Students

11.3. Improvement in Student-Teacher Ratio

11.4. Enhancement of Faculty Qualification Index

11.5. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

11.6. Continuing Education

11.7. New Facility Created

13. SWOT analysis

14. Student Perception

15. Any other relevant points included by the peer team

Score Calculation:

Maximum total weight of Qn. Matrices = 1125 (75% of the maximum total weight)
Maximum total weight of Ql. Matrices = 375 (25% of the maximum total weight)
Maximum total weight = 1125 + 375 = 1500
Maximum CGPA $= 4.0$
Scored weight of Qn. Matrices = 354.2
Scored weight of Qn. Matrices = xxx
Scored total weight = Scored weight of Qn. Matrices + Scored weight of Qn. Matrices
= 354.2+ xxx
= yyy

$$\text{Obtained CGPA} = \left(\frac{\text{yyy}}{1500}\right) \times 4$$
$$= \left(\frac{\text{yyy}}{1500}\right) \times 4$$
$$\text{Obtained CGPA} = \text{zz}$$

Range of Departmental Cumulative Grade Point Average (CGPA)	Grade
3.51 – 4.00	A++
3.26 – 3.50	A+
3.01 – 3.25	A
2.76 – 3.00	B++
2.51 – 2.75	B+
2.01 – 2.50	B
1.51 – 2.00	C
≤ 1.50	D

CMS COLLEGE (AUTONOMOUS) KOTTAYAM

DEPARTMENT SELF – ASSESSMENT REPORT (DSAR) MANUAL

DEPARTMENT OF COMMERCE (Aided)

October 2021

DEPARTMENT SELF – ASSESSMENT REPORT (DSAR)
MANUAL

The Department Self Assessment Report (DSAR) is intended to shed light into the currentstatus of the department in terms of its Strength, Weakness, Opportunities and Threats. As such, the department is expected to provide accurate data and observations that reflect the true and real status of the department. The data that will be collected from the department would fall into three parts.

- **Part A**: Basic data of the department (will not be used for assessment)
- **Part B**: Data about infrastructure, governance, financial status (will not be used forassessment)
- **Part C**: Data collected in this part will be used for assessment and accreditation.

The department should provide data for the academic years 2018-19, 2019-20, 2020-21 (past3 years) separately under each relevant question and for each UG and PG programmes offered.

The department need not supply the supporting documents while submitting the DSAR, but should keep them in original for peer team assessment. After the assessment, softcopies/scanned copies of supporting documents must be sent to dsar@cmscollege.ac.in within a week of assessment.

For queries, please e-mail to dsar@cmscollege.ac.in.

PART A

1. Departmental Information

Name and address of the department

Department of Commerce , CMS College Kottayam (Autonomous)

Name, designation, telephone number, and e-mail address of the

head/contact person.Dr.Vimal George Kurian

Assistant

Professor

Head of the

DepartmentC

M S College

Ph:994707209

2

Email id:vimal@cmscollege.ac.in

History of the department including dates of introduction and number of seats ofvarious programmes of study.

- **Started in 1961 with the introduction of the B.Com Degree programme**
- **Added Post graduate programme in 1981**
- **The Department became Research Centre of the MG University from 1997**
- **Currently Department runs 2 Certificate courses**
- **Number of Seats of various programmes of study:**

  B.Com:50 M.Com:15PhD:18

(Instruction: History of the institution and its chronological development alongwith the records of past accreditation need to be listed here.)

Mission and Vision of the department:

Vision

- Create business leaders

Mission

- To provide quality education
- To enhance learning capabilities
- To develop the professional skills of the students
- To imbibe the sense of business ethics
- To enhance the comprehension and communication abilities of the students

(Instruction: The department is required to specify its Mission and Vision).

List of the programmes/ departments which share human resources and/or thefacilities of this department/ programme (in %).

Nil

(Instruction: Institutes needs to mention the different programs which share the human resources and facilities with the department/ programme being accredited.)

Total number of students:192

Total number from other states and countries: Nil

Total number of differently abled students: 4

Minimum and maximum number of staff on roll in college, during the current andfive previous academic years in the department:

Sl No	Year	Maximum	Minimum
1	2018-2019	9	8
2	2019-2020	9	7
3	2020-2021	7	7
4	2021-2022	7	7

(A tabular format may be used)

Details of full time teachers against sanctioned posts

AY : 2018-19

Sl.No	Name & Designation	Qualification	Date of Joining
1	Dr. Tomy Mathew	M.Com., PhD	04/09/1991
2	Dr.Roy Sam Daniel	M.Com., PhD	06/06/1994
3	Dr.Vimal George Kurian	M.Com., M.Phil., PhD	01/06/2010
4	Ms. Ann Abraham	M.Com.	08/11/2010
5	Ms. Minnie Mary Ninan	M.Com.	01/03/2012

6	Tilda Mary Daniel	M.Com.	01/09/2014
7	Jisha Mary Mathew	M.Com.M.Ed	01/06/2015
8	Riju Varkey Thomas	M.Com.	23/10/2017

AY 2019-2020

Sl.No	Name & Designation	Qualification	Date of Joining
1	Dr.Roy Sam Daniel	M.Com., PhD	06/06/1994
2	Dr.Vimal George Kurian	M.Com., M.Phil., PhD	01/06/2010
3	Ms. Ann Abraham	M.Com.	08/11/2010
4	Ms. Minnie Mary Ninan	M.Com.	01/03/2012
5	Tilda Mary Daniel	M.Com.	01/09/2014
6	Jisha Mary Mathew	M.Com.M.Ed	01/06/2015
7	RijuVarkey Thomas	M.Com.	23/10/2017
8	Agna Mariyam Laji	M Com.	03/01/2020

AY 2020-2021

Sl.No	Name & Designation	Qualification	Date of Joining
1	Dr.Vimal George Kurian	M.Com., M.Phil., PhD	01/06/2010
2	Ms. Ann Abraham	M.Com.	08/11/2010
3	Ms. Minnie Mary Ninan	M.Com.	01/03/2012
4	Tilda Mary Daniel	M.Com.	01/09/2014
5	Jisha Mary Mathew	M.Com.M.Ed	01/06/2015

6	Riju Varkey Thomas	M.Com.	23/10/2017
7	Agna Mariyam Laji	M Com.	03/01/2020

AY 2021-2022

Sl.No	Name & Designation	Qualification	Date of Joining
1	Dr.Vimal George Kurian	M.Com., M.Phil., PhD	01/06/2010
2	Ms. Ann Abraham	M.Com.	08/11/2010
3	Ms. Minnie Mary Ninan	M.Com.	01/03/2012
4	Tilda Mary Daniel	M.Com.	01/09/2014
5	Jisha Mary Mathew	M.Com.M.Ed	01/06/2015
6	RijuVarkey Thomas	M.Com.	23/10/2017
7	Agna Mariyam Laji	M Com.	03/01/2020

(Position sanction letters verified by DCF of AISHE or the concerned authority,Soft copy of appointment letters of faculties during 3 years, Pan No. of faculties)

Full time teachers from other states against

sanctioned postsNil

(Softcopy of supporting document)

Faculty experience

Name of the Full-time teacher	PAN	Designation	Year of appointment	Total years of Experience as on 31/10/2021	Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution
Dr.Vimal George Kurian	BZWPK7074A	Asst. Professor	2010	11	Serving
Ms. Ann Abraham	BAQPA8484B	Asst. Professor	2010	11	Serving

Ms. Minnie Mary Ninan	AJUPN3775G	Asst. Professor	2012	09	Serving
Ms. Tilda Mary Daniel	AWTPD8893P	Asst. Professor	2014	07	Serving
Ms. Jisha Mary Mathew	CUPPM0188N	Asst. Professor	2015	06	Serving
Mr. Riju Varkey Thomas	AXRPT3627J	Asst. Professor	2017	04	Serving
Ms.Agna Mariyam Laji	AQPPL2705G	Asst. Professor	2020	01	Serving

Total number of differently abled teachers: Nil

Percentage of full time teachers with Ph.D.

Percentage =

$$\frac{Number\ of\ full\ time\ teachers\ in\ the\ department\ with\ Ph.D.}{Total\ number\ of\ full\ time\ teachers} \times 100$$

Name of full time teacher with PhD	Number of full time teachers with PhD	Total number of full time teachers
Dr.Vimal George Kurian	1	1

Is the department an approved research centre by University / National / International bodies?

Yes. M.G University Research Centre, Order No: AC.AII3C.444/97

(Yes/No; provide order number with year and name of affiliating University)

Summary of budget for the Previous Financial Year (PFY) and the actualexpenditure incurred in the PFY.

Summary of budget for the Current Financial Year (CFY).

PART B

2. Facilities and Technical Support

Class rooms in the Department

Adequate number of rooms for lectures (core/electives), seminars, tutorials,etc. for the program

(Provide a description with the number of existing rooms and lack ofthem, if any)

Purpose of the class rooms	No. of existing classrooms	No. of class rooms required
lectures	5	0
Seminars	0	0
Tutorials	0	0
Total number of classrooms required		0

Teaching aids – multimedia projectors, etc.

(Provide a description with the number of existing classrooms with suchfacilities and lack of thereof, if any)

Type of facility	No. of existing classrooms with the facility	No. of class rooms with the facility required
Multimedia projector	3	2
Screen	5	1
Smart boards	1	0
Wireless microphone	0	0
Speaker	1	0

Computer	10	0
UPS	3	0
Server	0	0
Document camera	0	0
Educational softwares	1	0
WIFI/LAN facilities	Yes	0
Total number of classrooms with teaching aids required		2

Acoustics, class room size, conditions of chairs/benches, air circulation,lighting, exits, ambiance, and such other amenities/facilities

Class	Acoustics	Room size	Chairs/ Benches	Air Circulation	Lighting	Exits
I BCom	NA	400	B-14	Yes	Yes	Yes
IIBCom	NA	400	B-13	Yes	Yes	Yes
IIIBCom	NA	600	B-14	Yes	Yes	Yes
IMCom	NA	225	C-18	Yes	Yes	Yes
IIMCom	NA	300	C-18	Yes	Yes	Yes

(Provide a description of the facilities and amenities classroom wise)

Seminar halls with ICT facilities:Nil

Type of facility	No. of existing seminar halls with the facility	No. of seminar halls with the facility required
Multimedia projector		
Screen		

Smart boards		
Wireless microphone		
Speaker		
Computer		
UPS		
Server		
Document camera		
Educational softwares		
WIFI/LAN facilities		
Total number of seminar halls with ICT facilities required		

Faculty Rooms in the Department

Availability of individual

faculty roomsNil

(Provide a description)

Room equipped with white/black board, computer, Internet connectivity, adequate number of plug points, UPS connectivity and such other amenities/facilities

One common faculty Room

(Provide a description with number of facilities and lack of thereof, if any)

Usage of room for discussion/counseling with students

No separate facility. Discussions and counseling is done in the facultyroom itself

Laboratories in the Department to meet the Curriculum Requirements and the PSOs

Adequate, well-equipped laboratories to meet the curriculum requirements andthe PSOs

NA

(Provide a description with the number of laboratories and lack of thereof,if any)

Adequate, well-equipped laboratories to conduct research projectsNA

(Provide a description with the number of laboratories and lack of thereof,if any)

Equipments to run experiments and their maintenance, Number of students perexperimental set up, Size of the laboratories, overall ambience etc.

NA

(Provide both quantitative and qualitative information)

Name of the equipment	Number of students per equipment/experiment	Size of the laboratories

Availability of computing facilities in the department

Number of computer labs	Number of computers	Number of UPS	Number of servers	Internet connectivity (yes/no) Speed (mb/ps)	Access to e-resources (yes/no)	Student : Computer ratio
1	10	3	0	Yes	Yes	1:20

(Provide a description with the number of computers and relatedfacilities, adequate space for laboratory etc. and lack of thereof, if any)

Availability of laboratories with technical support within and

beyond workinghours

NA

(Provide a description of the type and extent of technical support lent to the laboratories, number of such laboratories, number of technicians assigned to each laboratory and lack of thereof, if any)

Technical Manpower Support in the DepartmentNA

Availability of adequate and qualified technical supporting staff for programspecific laboratories and lack of thereof, if any.

NA

Incentives, skill-up gradation and professional advancement.NA

3. Infrastructure, Governance, Institutional Support and Financial Resources

Campus infrastructure and facility

Maintenance of academic infrastructure and facilities

Maintenance of academic infrastructure and facilities done by the college (Provide a description of the current situation and a history over the last 3years)

Hostel (boys and girls), transportation facility, and canteen (Provide a description of the current situation with the number of students obtained hostel, transportation and canteen facilities and a history over the last 3 years)

Electricity, power back up, telecom facility, drinking water, and security (Provide a description of the current situation and a history over the last 3years)

Organization, Governance and Transparency

Governing body, administrative setup, and functions of various bodies andcells

As per college regulations

(Provide information about the department level bodies and committees)

Defined rules, procedures, recruitment, and promotional policies, etc.

As per college regulations

(Provide descriptions based on minutes and other supporting documentsarose from department level committee decisions)

Decentralization in working, including delegation of financial power and grievance redressal system

As per college regulations

(Provide descriptions based on minutes and other supporting documentsarose from department level committee decisions)

Transparency and availability of correct/unambiguous information disseminated among the department staff

As per college regulations

Budget Allocation, Utilization and public Accounting

Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

Utilization of allocated funds

(Provide description with numbers related to utilization)

Programme Specific Budget Allocation, Utilization

Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

Utilization of allocated funds

(Provide description with numbers related to utilization)

Facilities: Animal House/Green House / Museum, Fabrication facility, Medialaboratory/Business Lab/Studios, Research/Statistical Databases

(Year of establishment, Hyperlink of videos and pictures (geotagged) – verifiedfrom DCF of AISHE)

Library

Library space and ambience, timings and usage, availability of a qualified librarian and other staff, library automation, online access, networking, specialized facilities (ILL, download, printing, facilities for differently abled students) etc.

General Library maintained by the college

Titles and volumes per title of books, journals and periodicals.

(List the titles and volumes per title)

Scholarly journal subscription

Journal in GL/ DL	Journals	Publisher	ISBN No	Broad field of Study	Specific field of Study
GL	Management Researcher	Institute of Management Research and Development		Management	Management
GL	RBI Bulletin	Reserve Bank of India		Banking	Banking
GL	The Chartered Accountant	ICAI(The Institute of Chartered Accountants of India)		Accounting	Accounting
GL	The Management Accountant	The Institute of Cost Accountant of India		Management	Management
GL	Indian Journal of Marketing	Associated Management Consultants		Marketing	Marketing

GL	Research Bulletin	The Institute of Cost Accountants of India		Cost Accounting	Cost Accounting
GL	Indian Journal of Finance	Associated Management Consultants		Management	Finance

(List the details of journals including publisher, ISBN number, broad range of study, specific field of study, how the subscription of a specific journal is beneficial for faculty and students)

Digital Library

Library expenditure on books, magazines/journals, and miscellaneouscontents

(Provide description with numbers related to expenditure)

Number of withdrawal of books by students in the previous year*

Formula:

$$\frac{Number\ of\ withdrawal\ of\ books\ from\ department\ library\ in\ previous\ year}{Total\ number\ of\ students} \times 100$$

$$\frac{Number\ of\ withdrawal\ of\ books\ from\ College\ library\ in\ previous\ year}{Total\ number\ of\ students} \times 100$$

*Source: Issue register

Internet

Internet available in the computer lab for both faculty and students

(Indicate the internet usage policy, whether satisfactory internet speed isavailable all the time etc.)

Safety norms

Checks for wiring and electrical installations for leakage and earthing.

Periodical checking of wiring and electrical installations at the college level

(Provide description)

Fire-fighting measurements: Effective safety arrangements with emergency / multiple exits and ventilation / exhausts in auditoriums and large classrooms / laboratories, fire-fighting equipment and training, availability of water, and other such facilities

Not Applicable as there are no laboratories or auditoriums in the Department

(Provide description with the number of equipments available and lack ofthereof, if any)

Safety of civil structure

Civil structure is maintained by the college

(Provide description)

Handling of hazardous chemicals and such other activities

Not applicable

(Provide description and issues, if any)

Counseling and Emergency Medical Care and First-Aid

Availability of counseling facility

Department level counseling conducted by the Faculty AdvisorProfessional counseling offered by the college

(Provide description and issues, if any)

Arrangement of emergency medical care

The Department maintains emergency medicines. Department hasproximity to major hospital in Kottayam

(Provide description and issues, if any)

Availability of First Aid Unit

First aid unit maintained in the department.

(Provide description and issues, if any)

PART C

4. Programme Specific information

Name of the Programme

Bachelor of Commerce

Masters of Commerce

Doctor of Philosophy

(List name of the programme, as it appears on graduate's certificates andtranscript, and abbreviation used for the programme)

Title of the Degree

B.Com

History of the programme

Started in 1961 with the introduction of the B.Com Degree programmeAdded Post graduate programme in 1981

The Department became Research Centre of the MG University in 1997Currently Department runs two certificate courses s

Number of Seats of various programmes of study: B.Com:50 M.Com:15 PhD:18There are three research guides in the Department

(Provide description)

Deficiencies, weaknesses/concerns and challenges from previous accreditations ofNAAC

No specific reference relating to the Department of Commerce

(Provide description)

Total number of students in the programme:

(Instruction: Total number of students, both boys and girls, has to be listed here. The data may be categorized in tabular form under graduate, post graduate, Doctoral Degree, or other program, if applicable.)

Year	Total number of students in UG programme		Total number of students in PG programme		Total number of students in Ph.D. programme		Total number of students in diploma/ certificate/ other programmes	
	Male	Female	Male	Female	Male	Female	Male	Female

2018-2019	**64**	**94**	**7**	**28**	**4**	**14**	**0**	**0**
2019-2020	**51**	**103**	**6**	**23**	**4**	**14**	**0**	**0**
2020-2021	**50**	**103**	**7**	**21**	**4**	**11**	**0**	**0**

5. Vision, Mission and Programme Outcomes

Vision and Mission

Vision of the college

- The CMS College shall be a centre of excellence for imparting value based liberal education aimed at promoting inclusive and holistic growth of the learner with thrust on real-time needs.

Mission Statements of the college

- Achieve excellence by imparting quality education through teaching,learning, research and extension activities.
- Inculcate values of integrity, justice and compassion in the young mindsto keep alive the missionary zeal of the founders
- Executing academic and administrative policies in a flexible environment
- Ensure optimum utilization of resources for the benefit of the society
- Create awareness on human rights, cultural and spiritual heritage, scientific temper and ecology
- Empower students as the agents of transformation and equip them to face local and global changes.

Vision of the Department

The Department strives to create business leaders globally and nationally, who are lifelong learners and who can critically analyse and take sound decisions which can be communicated effectively while upholding ethical standards as well as being environmentally conscious.

Mission Statements of the Department

- Interact with students in a learner friendly environment
- Use technology in the teaching learning evaluation process
- Strive to achieve the learning objectives in tandem with the vision of the college
- Introduce real life situations to the students

State the Mission and Vision of the College and department in relation toprogramme outcomes

(List and articulate the mission and vision statement of the College and department)

Indicate how and where the Vision and Mission are published and disseminated

The vision and mission of the college is published in the college website and the vision and mission of the department is published in the department page of the college website.

(Describe in which media (e.g. websites, curricula books) the vision andmission are published and how these are disseminated to stakeholders)

Mention the process for defining Vision and Mission of the department

A detailed analysis of the vision and mission of the college is undertaken and an analysis of the course curriculum is also considered. The vision and mission of the department is thus defined by interacting with the stakeholders as well as consideringthe vision and mission of the college and the course curriculum.

(Articulate the process involved in defining the vision and mission of thedepartment from the vision and mission of the College)

Program Outcomes

Describe the Programme Outcomes (POs)

	Graduate Programme Outcomes

PO1	**Critical Thinking**: Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them
PO2	**Effective Communication:** Demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts
PO3	**Social Interaction:** Foster social skills and peer interaction enabling them to make all people feel valued and respect their differences by being responsible citizens for creating a socially inclusive society
PO4	**Ethical Standards:** Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the
	moral dimensions of decisions and actions
PO5	**Environmental Consciousness:** Discern the issues of environmental contexts and engages in promoting values and attitudes that claim coexistence and sustainable living with reduced, minimal, or no harm upon ecosystems
PO6	**Lifelong Learning:** Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment

(List and articulate the program outcomes of the program underaccreditation)

State how and where the POs are published and disseminated

The POS are published in the website along with curriculum and is disseminated in the Department level Induction programme of the first- year students of UG and PG.

(Describe in which media (e.g. websites, curricula books) the POs arepublished and how these are disseminated to stakeholders)

List Stakeholders of the Program

Stdnt Parents EmployersSociety

(List stakeholders of the program under consideration for accreditationand articulate their relevance)

State the process for establishing PO

College level discussion with the stakeholders and finalized at thegoverning council.

(Describe the process that periodically documents and demonstrates thatthe POs are based on the needs of the program's various stakeholders.)

Establish consistency of POs with Mission

A detailed discussion of the PO's are done and the mission is formedsubsequently.

Attainment of Program Outcomes with global relevance for developmental needs

Justify the contributions of the Programme Curriculum towards attainment of POs

(Describe the broad curricular components that contribute towards theattainment of the POs.)

The programme curriculum is based on the program outcomes. Thedetails is given in 6.1.1.

Explain how administrative system helps in ensuring the attainment of POs(Describethe committees and their functions, working process and related regulations.)

Indicate the additional co-curricular activities undertaken towards the attainment of the Pos

Value added programmes, inter and intra departmental activities like Business Quiz, Marketing Game, Programmes like Meet the Entrepreneur are organized and important discipline specific days like GST Day, Income Tax Day etc are observed.

Assessment of the attainment of Programme Outcomes with global relevance for developmental needs

Indicate tools and processes used in assessment of the attainment of POs Describe the assessment process that periodically documents anddemonstrates the degree to which the PO's are attained. Also includeinformation on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each PO is based. Examples of data collection processes may include, but are not limited to, employer surveys, graduate surveys, focus groups, industrial advisory committee meetings, or other processes that are relevant and appropriate to the programme; the frequency with which these assessment processes are carried out.

A feedback of the syllabus was taken from our alumni and employers and subsequent modifications were made.

Provide the evidence of the achievement of POs

The expected level of attainment for each of the PO.

Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the PO is being attained; and how the results are documented and maintained.

Results of the programme is given in 8.1

Indicate how the POs have been redefined the past

The POs are finalized and redefined by the Academic Council

6. Programme Specific Outcomes with global relevance for developmental needs

Definition and Validation of Course Outcomes and Programme Specific Outcomes

List the Course Outcomes (COs) and Programme Specific Outcomes (PSOs) (List the Course Outcomes (CO) of the courses in programme curriculumand programme specific outcomes (PSO) of the programme underaccreditation)

No	Programme Specific Outcome	PSO Code	Courses
PSO -1	Workout problems of financial accounting	AC	Financial Accounting, Special Accounting, Corporate Accounting, Management Accounting, International financial Reporting
PSO -2	Work out problems in cost accounting	CA	Cost Accounting, Applied cost Accounting
PSO -3	Explain the theoretical background of business	BP	Business Management, Marketing Management, Financial Management, Advertising and Sales Management, and Entrepreneurship Develop and Project Management Principles of Business Decisions
PSO -4	Describe the functioning of various institutions and markets related to business	BI	Banking – Theory and Practice, Insurance and risk

			management, Financial Services, Financial Markets and Operations
PSO -5	Interpret the legal and environmental aspects business	LA	Dimensions and Methodology of Business studies, Corporate Regulation and Administration, Business Regulatory Framework, Environment Management and Human Rights
PSO -6	Analyze quantitative data in order to take business decisions	DA	Business Statistics, Quantitative Techniques for Business
PSO – 7	Explain the tax provisions of business and determine the income tax liability of individuals.	TX	Goods and Service Tax, Income Tax Law and Practice -1 and Income Tax Law and Practice II
PSO -8	Examine the correctness of the accounts and the accounting procedure	AA	Auditing and Assurance
PSO -9	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and interact productively with people from diverse backgrounds	CC	Common Courses I and II

State how and where the PSOs are published and disseminated

(Describe in which media (eg. websites, curricula, books etc.) PSOs are published and how the same is disseminated among stakeholders).

The PSOs are published in the College website and in the syllabus and the same is disseminated in the

Department level Induction programme of the first-year students of UG and PG.

Indicate processes employed for defining PSOs

(Describe the process that periodically documents and demonstrates thatthe PSOs are defined in alignment with the graduate attributes of NAAC) **Discussed at department level and finalized at the Board of Studies**

Indicate how defined PSOs aligned to Graduate Attributes prescribed by UGC (Indicate how the PSOs defined for the programme are aligned with theGraduate Attributes of UGC)

The programme specific outcomes are fixed by considering the graduateattributes suggested by the UGC

Establish the correlation between PSOs and POs

Explain how the defined PSOs of the programme correlate with the POs

	Graduate Programme Outcomes	
PO1	**Critical Thinking**: Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them	**PSO 1,2,6,7**
PO2	**Effective Communication:** Demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts	**PSO 9**

PO3	**Social Interaction:** Foster social skills and peer interaction enabling them to make all people feel valued and respect their differences by being responsible citizens for creating a socially inclusive society	**PSO 9**
PO4	**Ethical Standards:** Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions	**PSO 4,5,7,8**
PO5	**Environmental Consciousness:** Discern the issues of	**PSO**
	environmental contexts and engages in promoting values and attitudes that claim coexistence and sustainable living with reduced, minimal, or no harm upon ecosystems	**5**
PO6	**Lifelong Learning:** Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment	**PSO 3,4**

Attainment of Programme Specific Outcomes

Illustrate how Course outcomes (CO) contribute to PSOs

(Provide the correlation between the course outcomes and the programme specific outcomes. The strength of correlation may also be indicated)

Each course is designed in such a way that the outcomes of each course agree with the Programme specific outcomes.

Explain how modes of delivery of courses help in attainment of PSOs

(Describe the different course delivery methods/ modes, e. g. lecturesinterspersed with discussion, asynchronous mode of

interaction, groupdiscussion projects etc., used to deliver the courses and justify theeffectiveness of these methods for the attainment of PSOs. This may befurther justified using the indirect assessment methods such as course-end surveys.)

No	Programme Specific Outcome	PSO Code	Courses	Modes of delivery
PSO - 1	Workout problems of financial accounting	AC	Financial Accounting, Special Accounting, Corporate Accounting, Management Accounting, International financial	Problem solving
			Reporting	
PSO - 2	Work out problems in cost accounting	CA	Cost Accounting, Applied cost Accounting	Problem solving
PSO - 3	Explain the theoretical background of business	BP	Business Management, Marketing Management, Financial Management, Advertising and Sales Management, and Entrepreneurship Develop and Project Management Principles of Business Decisions	Lecture and discussion , Role Play,

PSO - 4	Describe the functioning of various institutions and markets related to business	BI	Banking – Theory and Practice, Insurance and risk management, Financial Services, Financial Markets and Operations	Lecture, Demonstration and Visit to institutions
PSO - 5	Interpret the legal and environmental aspects business	LA	Dimensions and Methodology of Business studies, Corporate Regulation and Administration, Business Regulatory Framework, Environment Management and Human Rights	Case study
PSO - 6	Analyze quantitative data in order to take business decisions	DA	Business Statistics, Quantitative Techniques for Business	Problem solving
PSO – 7	Explain the tax provisions of business and determine the income tax liability of individuals.	TX	Goods and Service Tax, Income Tax Law and Practice -1 and Income Tax Law and Practice II	Problem solving
PSO - 8	Examine the correctness of the accounts and the accounting procedure	AA	Auditing and Assurance	Case study
PSO - 9	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and interact productively with people from diverse backgrounds	CC	Common Courses I and II	Lecture, Assignments

PG

Sl.No	No	**Programme Specific Outcomes** *Upon completion of M.Com Degree programme, the graduates will be able to*	**Courses offered for achievement of PSO**
1	PSO – 1	Prepare accounts of a corporate, medium and small enterprise.	i. Advanced Financial Accounting ii.Accounting Standards & Reporting
2	PSO – 2	Take managerial decisions on the basis of accounting and costing data	iii. Advanced Cost Accounting iv. Financial Statement Analysis & Valuation
3	PSO – 3	Analyse business data and carry out business research	v. Research Methodology vi. Quantitative Techniques vii. Operations Research viii. Basic Econometrics for Business ix. Advanced Econometrics for Business
4	PSO – 4	Assess Income tax	x. Income Tax: Law and Practice xi. Income Tax: Assessment & Procedures

5	PSO – 5	Value securities and manage portfolios	xii. Security Analysis & Portfolio Management xiii. Financial Derivatives & Risk Management
6	PSO – 6	Manage corporate finance	xiv. Financial Management xv. Advanced Financial Management xvi. International Finance
7	PSO – 7	Apply management techniques in functional areas of business	xvii. Business Environment xviii. Organizational Behaviour xix. Human Resource Management xx. International Business

Indicate the extent to which the laboratory and project course work arecontributing towards the attainment of the PSOs

(Justify the balance between theory and practical for the attainment of PSOs. Justify how the various project works (a sample of 20% best and average projects from total projects) carried as part of the programme curriculum contribute towards the attainment of the PSOs.)

The projects work for the B. Com and M. Com Programmes are designed in such a way that they will be helpful in improving the critical thinkingand analytical abilities of the students. Further normally the topics for projects are selected by considering their importance in social relevance.

Assessment of the Attainment of Program Specific Outcomes

Describe assessment tools and processes used for assessing the attainment ofeach PSO

Two in-semester examination in each semester and one end semester examination,

Assignments and seminars

(Describe the assessment process that periodically documents and demonstrates the degree to which the PSOs are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each the PO is based. Examples of data collection processes may include, but are not limited to, specific exam questions, student portfolios, internally developed assessment exams, senior project presentations, nationally-normed exams, oral exams, focus groups, industrial advisory committee; the frequency with which these assessment processes are carried out.)

Indicate results of assessment of each PSOs

a) The expected level of attainment for each of the program outcomes;

b) Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the programme outcomes are attained; and

c) How the results are documented and maintained.

The results are collected and maintained at the department level. Thedepartment analyses the result with reference to the POs, PSOs and COs.

Use of Assessment results towards improvement of programme

The department compares the results with the PSO's and determines whether there are any deviations and notes down topics that have to be updated so that PSO's will be attained better.

(Articulate, with rationale, how the results of the evaluation of the PSOshave been used to review/redefine the PSOs)

7. Program Curriculum

Curriculum

Describe the Structure of the Curriculum

(List the course outcomes of the courses in programme curriculum andprogramme specific outcomes of the programme under accreditation) B.Com

Core – 22

Optional core –4

Complementary – 2,

Common Course - English - 4

Common course - Additional

Language - 2Open course- 1

COs and PSOs in the

AppendixM.Com

Core -22

Justify how the program curriculum satisfies the program specific outcomes

The programme curriculum is designed with reference to the PSOs

State components of Curriculum and their relevance to PSOs and POs

(Program curriculum grouping based on different components).

The three major components of the curriculum namely the syllabus, the teaching methodology and the evaluation system are designed in such a way

to attain the POsand the PSOs.

State Core subjects and their relevance to Program outcomes.

Core Courses in B.Com Programme

No	Programme Specific Outcome	PSO Code	Courses	Modes of delivery
PSO - 1	Workout problems of financial accounting	AC	Financial Accounting, Special Accounting, Corporate Accounting, Management Accounting, International financial Reporting	Problem solving
PSO - 2	Work out problems in cost accounting	CA	Cost Accounting, Applied cost Accounting	Problem solving
PSO - 3	Explain the theoretical background of business	BP	Business Management, Marketing Management, Financial Management, Advertising and Sales Management, and Entrepreneurship Develop and Project Management Principles of Business Decisions	Lecture and discussion , Role Play,
			Banking – Theory	Lecture,

PSO - 4	Describe the functioning of various institutions and markets related to business	BI	and Practice, Insurance and risk management, Financial Services, Financial Markets	Demonstration and Visit to institutions
			and Operations	
PSO - 5	Interpret the legal and environmental aspects business	LA	Dimensions and Methodology of Business studies, Corporate Regulation and Administration, Business Regulatory Framework, Environment Management and Human Rights	Case study
PSO - 6	Analyze quantitative data in order to take business decisions	DA	Business Statistics, Quantitative Techniques for Business	Problem solving
PSO – 7	Explain the tax provisions of business and determine the income tax liability of individuals.	TX	Goods and Service Tax, Income Tax Law and Practice -1 and Income Tax Law and Practice II	Problem solving
PSO - 8	Examine the correctness of the accounts and the accounting procedure	AA	Auditing and Assurance	Case study
PSO - 9	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and interact productively with people from diverse backgrounds	CC	Common Courses I and II	Lecture, Assignments

Sl.No	No	**Programme Specific Outcomes** *Upon completion of M.Com Degree programme, the graduates will be able to*	**Courses offered for achievement of PSO**
1	PSO – 1	Prepare accounts of a corporate, medium and small enterprise.	i. Advanced Financial Accounting ii. Accounting Standards & Reporting
2	PSO – 2	Take managerial decisions on the basis of accounting and costing data	iii. Advanced Cost Accounting iv. Financial Statement Analysis & Valuation
3	PSO – 3	Analyse business data and carry out business research	v. Research Methodology vi. Quantitative Techniques vii. Operations Research viii. Basic Econometrics for Business ix. Advanced Econometrics for Business
4	PSO – 4	Assess Income tax	x. Income Tax: Law and Practice xi. Income Tax: Assessment & Procedures
5	PSO – 5	Value securities and manage portfolios	xii. Security Analysis & Portfolio Management xiii. Financial Derivatives & Risk Management

6	PSO – 6	Manage corporate finance	xiv. Financial Management xv. Advanced Financial Management xvi. International Finance
7	PSO – 7	Apply management techniques in functional areas of business	xvii. Business Environment xviii. Organizational Behaviour xix. Human Resource Management xx. International Business

Course Syllabus

Included in appendix

(Include, in appendix, a syllabus for each course used. Syllabi format should be consistent and shouldn't exceed two pages.)

The syllabi format may include:

- Department, course number, and title of course
- Designation as a required or elective course
- Pre-requisites
- Contact hours and type of course (lecture, tutorial, seminar,project etc.)
- Course Assessment methods (both continuous and semester endassessment)
- Course outcomes
- Text books, and/or reference material

Illustrate the measures and processes used to identify the curricular gaps to the attainment of the COs/PSOs with global relevance for developmental needs.

The department compares the results with the PSO's and determines whether there are any deviations and notes

down topics that have to be updated so that PSO's will be attained better. In addition, A discussion with the BOS members also helped in identifying the curricular gaps. In this way, the curriculum will reflect the attainment of COs/PSOs.

Year of Introduction of the programme	If revision has been carried out in the syllabus during last 5 years	Year of revision	Title and code of the course added	Title and code of the course dropped	Percentage of Syllabus content added or replaced	Link of the relevant document
2018	Yes	2018	Insurance and Risk Management Environmental Management and Human Rights International Financial Reporting System	Business Communication	8%	
	Yes	2018	Advanced Financial Accounting	Specialised Accounting		
			Advanced Financial Accounting	Advanced Financial Accounting-1		
			Organizational Behaviour	Principles of Management and Organisational Behaviour		
			Financial Management	Financial Management Principles		
			Accounting Standards and	Advanced Financial		

			Reporting	Accounting		
			Business Environment	Strategic Management		
			Advanced Financial Management	Financial Management		

(Details of the processes used to curricular gaps to the attainment of definedcourse outcomes and programme).

7.5.1. Syllabi revision – No: of programs added/dropped year wise.

				Strategies		
			Financial Statement Analysis and Valuation (Elective)	Management Accounting		
			Income Tax- Law and Practice	Direct Taxes- Law and Practice		
			Basic Econometrics for Business	Corporate Governance		
			Income Tax - Assessment and Procedures	Direct Taxes- Assessment and Procedures		

(Link of relevant document, Academic Council meeting minutes)

Vertical mobility of programmes

(Explain how and when mobility windows are provided during the course of a programme, how the students benefited the vertical mobility of programmes, what are the challenges and limitations etc.)

The Department conducts three programmes, namely B.Com., M.Com., andPhD.

The B. Com and M.Com programmes are semester programmes. The semester-to-semester promotion is done irrespective of the results.

Indicate the content beyond syllabus imparted for the attainment of the COs/PSOs (Details of content beyond syllabus imparted for the attainment of theCOs/PSOs. This information may be provided course wise or modular wise) **Computerized Accounting using Tally**

Tally with GST

Data Processing using Excel

Advanced Excel

SPSS

Percentage of courses having focus on Gender, Environment & sustainability,Human values & professional ethics and community orientations for the last 5 years.

Note: Calculate the percentage for courses addressing each issue separately.

UG programme[$]

$$\text{Percentage} = \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$$

=23/29 =79.31 %

Name of the Program	Name of the Course	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations
	Entrepreneurship Development and Project Management	Gender ,professional ethics
	Business Management	Human values & professional ethics
	Corporate Regulation and Governance	Human values & professional ethics
	Environment Management and Human Rights	Gender, Environment & sustainability, Human values & professional ethics and community orientations
	Marketing Management	Human values, community orientations
	Corporate Regulation and Administration	Human values & professional ethics
	Business Regulatory Framework	Human values & professional ethics

B Com	Dimensions and Methodology of Business Studies	Human values, Environment & professional ethics
	Auditing and Assurance	Human values & professional ethics
	Banking - Theory and Practice	Human values & professional ethics and community orientations
	Insurance and Risk Management	Human values & professional ethics and community orientations
	Financial Management	professional ethics
	Goods and Service Tax	professional ethics
	Advertisement and Sales Management	Human values, professional ethics community orientations
	International Financial Reporting Standards	Professional Ethics
	Income Tax - Law and Practice - I	Professional Ethics, community orientations
	Income Tax - Law and Practice - II	Professional Ethics community orientations
	Financial Accounting	Professional Ethics
	Special Accounting	Professional Ethics
	Corporate Accounting	Professional Ethics
	Management Accounting	Professional Ethics
	Fundamentals of Cost Accounting	Professional Ethics
	Applied Cost Accounting	Professional Ethics

[$] If there are more than one UG programme in a department, provide the data and the percentage for them separately.

PG Programme[$$]

Formula:

$$\text{Percentage} = \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 10011/22=50\%$$

Name of the Program	Name of the Course	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations
	Business Environment	Environment & sustainability, Human values & professional ethics and community orientations
	Research Methodology	professional ethics

M Com	Human Resource Management	Gender ,Human values & professional ethics and community orientations
	Advanced Financial Accounting	Professional Ethics
	Organisational Behaviour	Gender ,Human values & professional ethics and community orientations
	Financial Management	professional ethics
	Advanced Financial Management	professional ethics
	Accounting Standards and Reporting	professional ethics
	Income Tax Law and Practice	Professional Ethics community orientations
	Income Tax Assessment and Procedure	Professional Ethics community orientations
	Project	Gender, Environment & sustainability, Human values & professional ethics and community orientations

[$$] If there are more than one PG programme in a department, provide the data and the percentage for them separately.

New courses introduced: Certificate/Diploma, Twinning/Dual Degree Programme, Double Main/Triple Main, Open Courses, etc. (Documents of course approval or tie up if any, Minutes of AC/BOS)

Name of the course	**Year of Introduction**	**Aided/ Self-financing**	**Relevance to PSO and POs**
Data Processing using Excel	2018	Self-financing	PSO-7
Advanced Excel	2018	Self-financing	PSO-1
Computerized Accounting using Tally	2019	Self-financing	PSO -9

Tally with GST	2019	Self-financing	PSO -9

Number of programmes with CBCS/elective course system implemented yearwise

B.COM

Sl.No	No	Programme Specific Outcome *Upon completion of B.Com Degree Programme, the graduates will be able to*	GPO
1	PSO -1	Workout problems of financial accounting	GPO 1
2	PSO -2	Work out problems in cost accounting	GPO 1
3	PSO -3	Explain the theoretical background of business	GPO 6
4	PSO -4	Describe the functioning of various institutions and markets related to business	GPO 4 GPO 6
5	PSO -5	Interpret the legal and environmental aspects business	GPO 4
6	PSO -6	Analyze quantitative data in order to take business decisions	GPO 1
7	PSO - 7	Explain the tax provisions of business and determine the income tax liability of individuals.	GPO 4
8	PSO -8	Examine the correctness of the accounts and the accounting procedure	GPO4

9	PSO LG	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and interact productively with people from diverse backgrounds	GPO 2 GPO 3

Course Name	Credit	Hrs/W	Semester	PSO
Dimensions and Methodology of Business Studies	3	3	1	5
Financial Accounting	4	5	1	1
Corporate Regulation and Administration	3	4	1	5
Business Management	3	3	2	3
Special Accounting	4	5	2	1
Business Regulatory Framework	3	4	2	5
Corporate Accounting	4	5	3	1
Quantitative Techniques for Business I	4	5	3	6
Financial Markets and Operations	3	4	3	4
Marketing Management	3	3	3	3
Management Accounting	3	5	4	1
Quantitative Techniques for Business II	4	5	4	6
Financial Management	3	4	4	3
Advertisement and Sales Management	3	3	4	3
Fundamentals of Cost Accounting	4	6	5	2
Environmental Management and Human Rights	4	5	5	5
International Financial Reporting Standards	3	5	5	1
Applied Cost Accounting	4	6	6	2
Entrepreneurship Development and Project Management	3	4	6	3
Auditing and Assurance	3	5	6	8
Principles of Business Decisions	4	5	6	3
Project and Viva	1	-	6	

M.Com

Sl.No	No	Programme Specific Outcomes *Upon completion of M.Com Degree programme, the graduates will be able to*	Courses offered for achievement of PSO
1	PSO – 1	Prepare accounts of a corporate, medium and small enterprise.	i. Advanced Financial Accounting ii. Accounting Standards & Reporting
2	PSO – 2	Take managerial decisions on the basis of accounting and costing data	iii. Advanced Cost Accounting iv. Financial Statement Analysis & Valuation
3	PSO – 3	Analyse business data and carry out business research	v. Research Methodolog vi. Quantitative Techniques vii. Operations Research viii. Basic Econometrics for Business ix. Advanced Econometrics for Business
4	PSO – 4	Assess Income tax	x. Income Tax: Law and Practice xi. Income Tax: Assessment & Procedures
5	PSO – 5	Value securities and manage portfolios	xii. Security Analysis & Portfolio Management xiii. Financial Derivatives & Risk Management

6	PSO – 6	Manage corporate finance	xiv. Financial Management xv. Advanced Financial Management xvi. International Finance
7	PSO – 7	Apply management techniques in functional areas of business	xvii. Business Environment xviii. Organizational Behaviour xix. Human Resource Management xx. International Business

(Minutes of the BOS)

Number of value-added courses (with 30 or more contact hours) imparting transferable and life skills offered & percentage of students enrolled in those courses during the previous academic year

Formula:

Percentage of students enrolled in value added courses = $\frac{\text{Number of students enrolled in the courses in the last 3 years}}{\text{Total number of courses in all programmes}} \times 100$

2020-21 Academic Year

Year -			
Name of the value added courses (with 30 or more contact hours) offered during last 5 years	**No. of times offered during the same year**	**Number of students enrolled in the year**	**Number of Students completing the course in the year**
Computerized Accounting using Tally	1	**55**	**55**
Tally with GST	1	**55**	**55**
Data Processing using Excel	1	**45**	**44**
Advanced Excel	1	**45**	**44**

Data Analysis using SPSS	1	**54**	**54**
Data Processing using Excel	1	**55**	**55**
Advanced Excel	1	**55**	**55**

Name of the Program	**Name of the Course**	**Year of introduction**	**Year of discontinuation**	**Activities with direct bearing on Employability/ Entrepreneurship/ Skill development**

E mployability/ entrepreneurship / skill development

Percentage of courses in UG programme having focus on employability /entrepreneurship / skill development for the last 3 years¶

$$\text{Percentage} = \frac{\text{Number of courses with focus on employability / } entrepreneurship\ /\ skill\ development}{Total\ number\ of\ courses\ in\ the\ UG\ programme} \times 100$$

=

Name of the Program	**Name of the Course**	**Year of introduction**	**Year of discontinuation**	**Activities with direct bearing on Employability/ Entrepreneurship/ Skill development**
B Com	Entrepreneurship Development and Project Management			**Entrepreneurship**

M Com	Quantitative Techniques			Skill Development
	Operations research			Skill Development
	Security Analysis And Portfolio Management			Skill Development
	Accounting Standards and reporting	2018		Employability
	Advanced Financial			Employability

	Accounting			
	Advanced Cost Accounting			Employability
	Financial Statement Analysis and Valuation	2018		Skill Development
	Financial Derivatives and risk Management	2018		Skill Development
	Financial Management	2018		Skill Development
	Income Tax: Law and Practice	2018		Employability
	Basic Econometrics for Business	2018		Skill Development
	Advanced Econometrics for Business	2018		Skill Development
	Advanced Financial Management			Skill Development
	Income Tax: Assessment and Procedures	2018		Employability

[fj] If there are more than one PG programme in a department, provide the data and thepercentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

Industry interaction/internship

(Give the details of industry involvement in the program such as industry attached laboratories and partial delivery of courses and internship opportunities for students).

Programmes like Meet the Entrepreneur and Summer Internship of 15 daysare arranged for B.Com students

Percentage of UG students undertaking field projects/internships in otherinstitutions

Formula:

$$\frac{Number\ of\ UG\ students\ undertaking\ field\ projects\ or\ internships}{Total\ number\ of\ UG\ students}$$

Internship 88%

$\times 100$

Semester	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out
I Semester	45	55	CA firms, cooperative bank, Stock broking firms, Industrial institutions
III Semester	50	52	CA firms, cooperative bank, Stock broking firms, Industrial institutions and various business firms

Percentage of PG students undertaking field projects/internships in otherinstitutions

Formula:

$$\frac{Number\ of\ PG\ students\ undertaking\ field\ projects\ or\ internships}{Total\ number\ of\ PG\ students}$$

× 100

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out

8. Result and Students Performance

Success

Rate (Result)

Formula:

$$\text{Pass percentage} = \frac{Total\ number\ of\ \ students\ who\ passed\ the\ course\ examination\ in\ a\ year}{Total\ number\ of\ students\ appeared\ for\ the\ course\ examination\ in\ a\ year}$$

2016 Admission

8.1Result and Students Performa

1.1. Success Rate (Result)

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade						
					A+	A	B	C	D	E	F
6	Applied Cost Accounting CM16128	50	41	82%	16	14	3	5	2	1	9
	Practical Auditing CM16129	50	42	84%	7	17	10	4	0	4	8
	Accounting for Managerial Decisions CM16130	50	43	86%	18	11			2	2	7
	Project and Viva CM16134	50	49	98%	1	29	5				1

	Principles of Business Decisions	50	42	84%	16	15	1	7	2	1	8
5	Income Tax - Assessment and Procedures CM16332	50	44	88%	14	12	9	5	1	3	6
	Cost Accounting CM15121	50	41	82%	17	11	9	1	1	2	9
	Special Accounting CM16122	50	40	80%	4	19	5	6	4	2	10
	Advertising and Sales Promotion CM15223	50	44	88%	13	14	9	1	5	2	6
	Income Tax Law and Practice	50	42	84%	13	17	5	3	4	0	8

UG Open Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade						
					A+	A	B	C	D	E	F
5	Agri based Micro enterprises BY15425	1	1	100%	0	0	0	0	0	0	1
	Fundamentals of Economics EC15413	28	28	100%	10	13	4	1	0	0	0
	English for CareersEN15421	7	5	71.42%	0	0		1	0	4	2
	Patrapravarthanam Adistana ThatwangalML15427	4	4	100%	0	0	1	0	1	2	0
	Applicable Mathematics MT15413	5	5	100%	5	0	0	0	0	0	0
	Physical Health and Life Skill Education	5	5	100%	0	4	1	0	0	0	0

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade						
					A+	A	B	C	D	E	F
4	Captal Market CM14115	50	43	86%	5	19	12	3	3	1	7
	Corporate Accountng CM14116	50	38	76%	5	15	9	6	2	1	12
	Entrepreneurshp Development And Project Management CM14117	50	44	88%	4	23	7	2	4	4	6
	Fnancal Servces CM14118	50	42	84%	0	18	16	4	2	2	8
	Goods and Servces CM14319	50	41	82%	6	17	5	8	2	3	9

UG Additional Language Courses

Semester	Course title and code Hh	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade						
					A+	A	B	C	D	E	F
4	Reflections on Vital issues	50	45	90%	0	5	25	8	6	1	5

2017 Admission

UG Main Courses UG

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
					S	A+	A	B+	B	C	D	E	F
6	Cost Accounting 11CM 1716117	52	49	98%	0	2	12	6	14	8	5	0	5
	Advertisement And Sales Management CM1716118	52	51	98.07%	0	16	12	12	17	4	0	0	1
	Auditing And Assurance CM1716119	52	52	100%	0	6	17	13	9	4	3	0	0
	Management Accounting CM1716120	52	49	94.23%	7	16	11	5	7	2	1	0	3
	IncomeTax 11 CM1716304	52	49	94.23%	0	3	12	18	8	5	3	0	3
	Project and Viva CM1716801	52	52	100%	0	50	1	1					

UG Open Course

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage			Number of students with grade						
					S	A+	A	B+	B	C	D	E	F
	Agri based Micro enterprises' BY1715401	2	2	100%		0	0	1	1	0	0	0	0
	Forensic Science CH1715401	1	1	100%		0	0	1	0	0	0	0	0
	Fundamentals of Economics EC1715401	21	21	100%	1	11	9	0	0	0	0	0	0
	Appreciating FlmesEN1715401	3	2	66.66%	0	0	0	1	1	0	0	0	1
	Nutrition for Wellness HS1715401	1	1	100%	0	0	0	0	0	1	0	0	0

5	Social implications of Modern Revolutions	9	8	88.88%	0	0	2	2	1	3	0	0	1
	Applicable Mathematics MT1715401	6	6	100%	4	2	0	0	0	0	0	0	0
	Physical Health and Life Skill Education PE1715401	3	3	100%	0	0	3	0	0	0	0	0	0
	Vocational Zoology ZY1715401	5	5	100%	0	1	1	0	3	0	0	0	0

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage		Number of students with grade							
					S	A+	A	B+	B	C	D	E	F
	Cost Accounting 1 CM1715114	52	50	96.15%	2	11	10		8	8	6	5	2

5	Environment Management and Human	52	52	100%		3	15	9	11	11	1	0	2
	ghts CM1715115												
	Financial Management CM1715116	52	49	94.23%		4	17	16	5	5	2	0	3
	Income Tax 1CM1715303	52	49	94.23%	2	8	16	10	8	4	1	0	3

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage			Number of students with grade						
					S	A+	A	B+	B	C	D	E	F
4	Corporate Accounting 11CM1714111	52	49	94.23%	0	7	17	9	7	6	3	0	3
	Quantitative Techniques for Business 11 CM1714112	52	49	94.23%	5	14	11	7	7	3	2	0	3
	Entrepreneurship Development And Project Management CM1714113	52	49	94.23%	0	5	18	8	10	5	3	0	3
	Financial Services CM1714302	52	50	96.15%		2	18	14	8	8	0	0	2

UG Additional Language Courses

Semester	Course title and code	Number of students	Number of students passed	Pass percentage		Number of students with grade

		appeared for the course examination	the course examination		A+	A	B+	B	C	D	E	F
4	Revisiting the Classics EN1714508	52	51	98.07%	5	10	20	8	6	2	0	1

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
					S	A+	A	B+	B	C	D	E	F
3	Corporate Accounting 1CM1713107	54	51	94.44%	2	10	14	10	5	4	6	0	3
	Quantitative Techniques for Business 1 CM1713108	54	52	96.29%	3	14	11	9	5	8	2	0	2
	Financial Markets And Operations	54	51	94.44%		10	18	11	6	2	4	0	3
	Marketing Management CM1713110	54	49	90.74%	0	2	10	14	15	6	4	0	3
	Goods And ServicesCM1713301	54	51	94.44%	0	9	15	10	9	3	5	0	3

UG Additional Language Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					A+	A	B+	B	C	D	E	F
3	Gems of imaginationEN1713506	54	51	94.44%	0	9	18	17	6	3	0	1

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
					S	A+	A	B+	B	C	D	E	F
2	Financial Accounting 11CM1712104	54	52	96.29%	1	10	12	10	10	7	2	0	2
	Business Regulatory FrameworkCM1712105	54	50	92.59%	1	6	17	6	11	5	4	0	4
	Business ManagementCM1712106	54	51	94.44%	2	7	6	10	7	11	8	0	3
	Principles of Business Decisions CM1712202	54	53	98.14%	1	16	13	10	6	5	2	0	1

UG Additional Language Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage		Number of students with grade						
					A+	A	B+	B	C	D	E	F
2	Issues That Matter EN1712503	54	53	98.14%	1	10	13	15	10	4	0	1
	Poetry Commercial Correspondence And Translations	29	27	93.10%	1	8	8	7	2	1	0	2
	Aathmakadha Lekhanam	25	25	100%	1	10	5	6	2	1	0	0

2018 Admission UG

Main Courses

		Number of	Number of		Number of students with grade

Semester	Course title and code	students appeared for the course examination	students passed the course examination	Pass percentage	S	A+	A	B+	B	C	D	E	F
1	Dimensions and Methodology of Business Studies CM1811101	55	51	92.72%	0	2	25	14	6	2	2	0	4
	Financial Accounting 1CM1811102	55	48	87.27%	0	0	13	11	11	7	5	0	7
	Corporate Regulations And Administration	55	50	90.90%	0	3	13	8	11	10	5	0	5
	CM1811103												
	Banking Theory and Practice CM1811201	55	52	94.54%	0	14	20	6	9	2	1	0	3

UG Additional Language Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					A+	A	B+	B	C	D	E	F
1	Fine Tune Your EnglishEN1811501	55	52	94.54%	0	0	13	15	16	2	0	3
	Pross and Mass Media HN1811502	23	22	95.65%	4	5	7	1	5	0	0	1
	Kadhayum Kavthayum ML1811502	28	28	100%	4	13	5	4	2	0	0	0
	History of Syriac Language And LtératureSC1811502	4	4	100%	1	0	1	2	0	0	0	0

UG Main Courses

		Number of students	Number of			Number of students with grade

Semester	Course title and code	appeared for the course examination	students passed the course examination	Pass percentage	S	A+	A	B+	B	C	D	E	F
2	Business Management CM1812104	55	53	96.36%	2	12	10	9	6	11	3	0	2
	Special Accounting CM1812105	55	48	87.27%	0	6	9	8	10	8	7	0	7
	Business Regulatory FrameworkCM1812106	55	49	89.09%	0	5	16	2	7	12	7	0	6
	Insurance And Risk Management CM1812202	55	55	100%	0	14	18	8	10	4	1	0	0

UG Additional Language Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
					S	A+	A	B+	B	C	D	E	F
2	Issues That Matter	55	54	98.18%		0	9	16	8	14	7	0	1
	Poetry Correspondence And Translation HN1812504	23	23	100%		1	11	3	2	3	3	0	0
	Aathmakadha Lekhanam ML1812505	28	28	100%		3	9	8	5	3	0	0	0
	History of Syrian Church in India SC1812504	4	4	100%	1	0	1	1	1	0	0	0	0

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
					S	A+	A	B+	B	C	D	E	F
	Corporate Accounting CM1813107	55	52	94.54%	3	12	11	4	10	8	4	0	3
	Quantitative Techniques for Business 1 CM1813108	55	50	90.90%	6	9	13	3	9	6	4	0	5

3	Financial Markets AND Operations CM1813109	55	52	94.54%	0	20	10	6	7	7	2	0	3
	Marketing Management CM1813110	55	54	98.18%	0	3	10	12	10	10	7	0	1
	Goods And Service Tax CM1813301	53	52	98.11%	0	12	11	8	7	7	7	0	1

UG Additional Language Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage		Number of students with grade						
					A+	A	B+	B	C	D	E	F
3	Gems From the Deep EN1813506	53	53	100%	0	21	13	10	6	3	0	0

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage		Number of students with grade						
					S	A+	A	B+	B	C	D	E	F
4	Management Accounting CM1814111	56	52	92.85%	1	2	11	12	11	8	7	0	4
	Quantitative Techniques for Business 11CM1814112	56	51	91.07%	0	17	9	5	3	11	6	0	5
	Financial Management CM1814113	56	48	85.71%	9	7	12	4	4	9	3	0	8
	Advertisement And Sales ManagementCM1814114	56	53	94.64%	0	12	12	8	7	6	8	0	3
	Financial Services CM1814302	56	55	98.21%	0	9	15	9	6	11	5	0	1

UG Additional Language Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					A+	A	B+	B	C	D	E	F
4	Relishing the Classics EN 1814508	56	56	100%	0	13	24	8	10	1	0	0

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
					S	A+	A	B+	B	C	D	E	F
5	Fundamentals of Cost Accounting 1 CM1815115	56	50	89.28%	0	14	10	8	6	9	3	0	6
	Environment Management And Human Rights CM1815116	56	53	94.64%	0	0	14	15	15	8	1	0	3
	International Financial Reporting Standards CM1815117	56	40	71.42%	0	5	6	9	10	6	4	0	16
	Income Tax Law And Practice 1CM1815303	56	53	94.64%	0	0	12	7	8	9	1	0	3

Open Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
					S	A+	A	B+	B	C	D	E	F
	Agri based Micro enterpricesBY1815401	7	7	100%	0	1	2	3	1	0	0	0	0

5	Foundations of Economics EC1815401	13	12	92.30%	0	0	3	3	4	2	0	0	1
	Appreciating Films EN1815401	5	4	80%	0	0	0	0	1	3	0	0	1
	Nutrition for WellnessHS1815401	2	2	100%	0	0	0	1	0	0	1	0	0
	Social implications of Modern Revolutions	5	5	100%	1	1	0	1	1	0	1	0	0
	Applicable Mathematics MT1815402	10	10	100%	8	1	1	0	0	0	0	0	0
	Physical Health And Life Skills EducatonPE1815401	5	5	100%	0	2	2	1	0	0	0	0	0
	Vocational Zoology ZY1815401	9	9	100%	0	1	4	3	1	0	0	0	0

UG Main Courses

Semester	**Course title and code**	**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**		**Number of students with grade**							
					S	**A+**	**A**	**B+**	**B**	**C**	**D**	**E**	**F**
6	Applied Cost Accounting CM1816118	56	52	92.85%	8	16	5	10	6	4	3	0	4
	Entrepreneurship Development And Project Management CM1816119	56	53	94.64%	0	16	15	12	6	4	0	0	3
	Auditing And Assurance CM1816120	56	50	89.28%	3	13	11	15	7	1	0	0	6
	Principles of Business Decisions CM1816121	56	54	96.42	1	24	13	8	6	2	0	0	2
	Income Tax-Law And Practices 11	56	55	98.21%	8	17	12	10	5	3	0	0	1
	Project and Viva CM1816801	56	56	100%	1	45	10	0	0	0	0	0	0

2019Admission UG

Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
					S	A+	A	B+	B	C	D	E	F
1	Dimensions and Methodology of Business Studies CM1811101	45	45	100%	0	19	14	9	2	1	0	0	0
	Financial Accounting 1CM1811102	45	44	97.77%	0	15	10	2	10	4	3	0	1
	Corporate	45	45	100%	0	7	17	4	11	6	0	0	0
	Regulations And Administration CM1811103												
	Banking Theory and Practice CM1811201	45	45	100%	0	15	13	12	5	0	0	0	0

UG Additional Language Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					A+	A	B+	B	C	D	E	F
1	Fine Tune Your EnglishEN1811501	45	45	100%	0	20	12	11	2	0	0	0
	Pross and Mass Media HN1811502	16	16	100%	0	2	7	4	2	1	0	0
	Kadhayum Kavithayum ML1811502	22	22	100%	0	3	11	2	5	1	0	0
	History of Syriac Language And LiteratureSC1811502	7	7	100%	1	1	3	2	0	0	0	0

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
					S	A+	A	B+	B	C	D	E	F
2	Business Management CM1812104	45	44	97.77%	0	21	10	5	4	3	1	0	1
	Special Accounting CM1812105	45	43	95.55%	3	9	7	9	8	4	3	0	2
	Business Regulatory FrameworkCM1812106	45	42	93.33%	0	9	12	10	7	3	1	0	3
	Insurance And Risk Management CM1812202	45	45	100%	2	19	9	7	5	2	1	0	0

UG Additional Language Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
					S	A+	A	B+	B	C	D	E	F
2	Issues That Matter	45	42	93.33%	0	0	9	11	15	6	1	0	3
	Poetry Correspondence And TranslationHN1812504	16	16	100%	0	0	8	3	4	1	0	0	0
	Aathmakadha LekhanamML1812505	22	22	100%	0	5	8	3	5	1	0	0	0
	History of Syrian Church n nda SC1812504	7	7	100%	0	4	2	1	0	0	0	0	0

PG Courses 2016

Admission

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade

					A	B	C	D	E
4	Advanced Cost Accounting CM24116	17	15	88.23%	1	8	6	0	2
	Direct Taxes Assessment and Procedures	17	17	100%	10	6	1	0	0
	Project	17	17	100%	14	3	0	0	0
	Viva -Voce	17	17	100%	12	5	0	0	0
	International Finance	17	17	100%	6	9	2	0	0
	Financial Markets And Derivatives	17	16	100%	2	12	2	0	1
	Security Analysis And Portfolio Management	17	17	100%	7	8	2	0	0

2017 Admission

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade				
					A	B	C	D	E
2	Advanced Financial Accounting 11CM22106	17	17	100%	0	15	2	0	0
	Strategic Management CM22107	17	17	100%	3	14	0	0	0
	Financial Management StrategiesCM22108	17	17	100%	7	9	1	0	0
	Human Resources Management CM22109	17	17	100%	4	11	2	0	0
	Operations Research	17	17	100%	11	6	0	0	0

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade				
					A	B	C	D	E
	Management Accounting CM23111	17	16	94.11%	8	8	0	0	1

3	Direct Taxes- Law and Practice CM23112	17	16	94.11%	7	7	2	0	1
	International BusinessCM23113	17	14	82.35%	3	10	1	0	3
	Corporate GovernanceCM23114	17	14	82.35%	6	8	0	0	3
	Business Environment CM23115	17	14	82.35%	3	10	1	0	3

Semester	**Course title and code**	**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**	**Number of students with grade**				
					A	**B**	**C**	**D**	**E**
4	Advanced Cost Accounting CM24116	17	16	94.11%	0	12	4	0	1
	Direct Taxes Assessment And ProceduresCM24117	17	17	100%	1	14	2	0	0
	Project CM24122	17	17	100%	9	8	0	0	0
	Viva VoceCM24122	17	17	100%	12	5	0	0	0
	International Finance CM24318	17	17	100%	5	10	2	0	0
	Financial Markets and Derivatives CM24319	17	17	100%	3	10	2	0	0
	Security Analysis and Portfolio ManagementCM24320	17	17	100%	4	11	2	0	0

2018 Admission

Semester	**Course title and code**	**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**	**Number of students with grade**				
					A	**B**	**C**	**D**	**E**
	Advanced Financial Accounting 1 CM21101	18	18	100%	7	6	5	0	0

1	Principles of Management And Organisational BehavourCM21102	18	18	100%	5	12	1	0	0
	Financial Management Principles CM21103	18	18	100%	3	13	2	0	0
	Research Methodology	18	18	100%	2	13	3	0	0
	Quantitative TechnquesCM21105	18	18	100%	8	9	1	0	0

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade				
					A	B	C	D	E
2	Advanced Financial Accounting 11CM22107	18	18	100%	3	12	3	0	0
	Strategic ManagementCM22107	18	18	100%	1	16	1	0	0
	Financial Management StrategesCM22108	18	18	100%	1	13	4	0	0
	Human Resources Management CM22109	18	17	94.44%	0	15	2	0	1
	Operations Research CM22110	18	17	94.44%	7	8	2	0	1

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade				
					A	B	C	D	E
3	Management AccountngCM23111	18	18	100%	6	12	0	0	0
	Direct Taxes Law And PractcesCM23112	18	18	100%	7	9	2	0	0
	International Business CM23113	18	18	100%	3	15	0	0	0

	Corporate Governance CM23114	18	18	100%	3	15	0	0	0
	Business EnvronmentCM23115	18	18	100%	2	14	2	0	0

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade				
					A	B	C	D	E
4	Advanced Cost Accounting CM24116	18	14	77.77%	1	8	5	0	4
	Direct Taxes Assessment and Practices CM24117	18	18	100%	4	11	3	0	0
	Project CM24121	18	18	100%	15	3	0	0	0
	Viva Voce CM24122	18	18	100%	11	7	0	0	0
	International Finance CM24318	18	18	100%	1	16	1	0	0
	Financial Markets and Derivatives CM24319	18	18	100%	1	14	3	0	0
	Security Analysis and	18	18	100%	2	13	3	0	0
	Portfolio ManagementCM24320								

2019 Admission

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade						
					A+	A	B+	B	C+	C	D
1	Advanced Financial Accounting CM1921101	11	11	100%	0	2	4	3	1	1	0
	Organisational BehavourCM1921102	11	9	81.81%	0	0	4	4	1	0	2
	Financial Management CM1921103	11	10	90.90%	1	3	4	1	1	0	1
	Quantitative Techniques	11	11	100%	1	7	1	2	0	0	0

	CM1921104										
	Human Resource Management CM1921105	11	11	100%	0	1	6	2	2	0	0

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade						
					A+	A	B+	B	C+	C	D
2	Accounting Standards And Reporting CM1922106	11	11	100%	0	4	5	1	1	0	0
	Business Environment CM1922107	11	11	100%	0	0	6	3	2	0	0
	Advanced Financial Management CM1922108	11	11	100%	0	4	3	2	1	1	0
	Operations ResearchCM1922109	11	11	100%	3	5	2	0	1	0	0
	Research Methodology CM1922110	11	10	90.90%		1	3	4	1	1	1

Semester	rse title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade						
					A+	A	B+	B	C+	C	D
3	Income Tax Law and PractcesCM1923111	11	11	100%	5	3	1	0	2	0	0
	International Business CM1923112	11	11	100%	0	3	4	2	2	0	0
	Basic Econometrics for Business CM1923113	11	11	100%	0	2	5	3	1	0	0
	Financial Statement Analysis and ValuatonCM1923301	11	9	81.81%	0	4	3	1	1	1	2
	Security Analysis And Portfolio Management	11	10	90.90%	1	4	2	2	1	0	1

Academic Performance

Percentage of students qualifying state/ national/ international level examinations during the last 3 years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/ State government examinations/ other examination)

Formula:

Percentage =

$$\frac{Number\ of\ students\ qualifying\ state\ /\ national\ /\ international\ level\ examinations}{Total\ number\ of\ students\ who\ have\ appeared\ for\ the\ exam} \times 100$$

Academic year: 2018-2019

Registration number/roll number for the exam	Number of students selected/ qualifying
	NET
Kl1104503480 , dec ,2018	Vysakh Ma
35001185, july 2018	Nikhil Reghu
Kl1402500192, December 2018	Mariya James
190510650111	Diviyamol Thomas
Kl0601501135, December 2018	Amal Mohan
Kl0903503263, december,2018	Deepthi.S.Namboothiri
KL0903502880,2018 dec	Neethu K Daniel
35020501 july 2018	Swetha Susan Mathew
Kl1102500242, december 2018	Reshma Elizabeth Thomas

Academic year: 2019-2020

Registration Number/Roll Number For The Exam	Number Of Students Selected/ Qualifying NET	%

KL0405210697, December 2019	Krishnapriya Sasi	
37010374	Adarsh Philip Jacob	
KL1105204399, December 2019	Karuna Rajeev	
KL11502346, June 2019	Suchithra Surendran	
KL11502398July	SHEMI PAUL	
KL0405208637, DECEMBER AND 2019	Rajlekshmi	
KL1105203839	Anna Anju Varghese	
KL0405206887	Reenu Jose	

Academic year: 2020-2021

Registration Number/Roll Number For The Exam	Number Of Students Selected/ Qualifying NET
KL1151300285	Devika
KL1151400416	Priyanka

Sl No	Name of the Student	Batch	Name of the qualifying Examination	Registration number/roll number for the exam
1	Tony Thomas	2019	IELTS	T5011286
2	Abhiraj	2019	IELTS	178520
3	Roshetha	2019	IELTS	89798
4	Alex Roy	2019	MAT	851634
5	Anisha Susan Varghese	2019	MAT	849059

Placement and Higher Studies

Percentage of placement of outgoing students from UG programme during thelast 3 years[$$]

Formula:

Percentage =

$$\frac{Number\ of\ outgoing\ students\ placed}{Total\ number\ of\ outgoing\ students}$$

× 100

AY 2018-2019 – 28%

Sl. No:	Name	Company	Salary
1	Gopika Gopakumar	Sutherland	180000
2	Arya Lal	Sutherland	180000
3	Amitha Raj	Sutherland	180000
4	Kavya Suresh	Sutherland	180000
5	Ananya M J	Sutherland	180000
6	Anish Anna Varghese	Sutherland	180000
7	Shreya Jacob	Sutherland	180000
8	Nicy Elsa Alex	Sutherland	180000
9	Riya Susan Roy	Sutherland	180000
10	Sruthi Jagadheesh	Sutherland	180000
11	Roshetha Chinnu Roy	Sutherland	180000
12	George S Cherian	Sutherland	180000
13	Navin M S	Sutherland	180000
14	Abhiraj R	Sutherland	180000

AY 2019-20 - 36.5 %

Sl.No:	NAME	ORGANISATION	CTC
1	Amrutha Raveendran	Sutherland	180000
2	Aparna P.K	Sutherland	180000
3	Sheen Thomas	Sutherland	180000
4	Bitta Betty Benny	Sutherland	180000
5	Pooja Jayaprakash	Sutherland	180000

6	Rahul P.Rajesh	Sutherland	180000
7	Jose Jacob	Sutherland	180000
8	Fredy.K John	Sutherland	180000
9	Suvarna B	Sutherland	180000
10	Abhishek P.A	Sutherland	180000
11	Ananthakrishnan K.R	Sutherland	180000
12	Emil George	Sutherland	180000
13	Tharif Khan	Sutherland	180000
14	Akhil Zachariah	Sutherland	180000
15	Jeni Susan Mathews	Sutherland	180000
16	Sameeksha Saju	Sutherland	180000
17	Tisha Ashok	Sutherland	180000
18	Renjitha K Krishna	Sutherland	180000
19	Aravind K R	Deloitte	330000

AY 2020-21 - 14.2 %

Sl.No:	**Name of the candidate**	**Company**	**CTC**
1	Denoy Abraham Varghese	Sutherland VP	216000
2	Annamma Kuruvilla	Sutherland NVP	180000
3	Aswin Das	Sutherland NVP	180000
4	Minna George	South Indian Bank	437648
5	Aleena Jiby	South Indian Bank	437648
6	Harikrishnan G	South Indian Bank	437648
7	Akhil Thomas Kurian	Cognizant	251999

8	Noel Roy Thomas	Allianz	250000

[$$] If the department offers more than one UG programme, provide the data and the percentage foreach programme

Percentage of student progression from UG programme to higher education, i.e. UG to PG (previous graduating batch)[##]

Formula:

$$\frac{Number\ of\ outgoing\ UG\ students\ progressing\ to\ higher\ education}{Total\ number\ of\ final\ year\ students\ in\ the\ UG\ programme}$$

× 100

AY18-19 - 84 %

Sl.No	Class No	Name	Name of institution joined	Name of Programme admitted to
1	161114101	ABHIRAJ R	Niagara College, Canada	PG Diploma – International Business Management
2	161114102	ABHISANKAR S	BRADELL College, Singapore	Sports and exercise science
3	161114103	AKSHAY KRISHNAN V	Institute for career development, Kollam	Bank coaching
4	161114104	AMITHA B RAJ	The Institute of Cost Accountants of India, Cochin Chapter, Kaloor	CMA (India) student
5	161114105	ANANYA M J	Logic	Pursing ACCA
6	161114106	ATHIRA R	Logic	ACCA
7	161114107	GEORGE S CHERIAN	The Institute of Cost Accountants of India	CMA
8	161114108	KAVYA SURESH	Momentum coaching centre	ACCA
9	161114109	MEGHA JAYAN	Civil service academy	UPSC preparation
10	161114110	NAVIN M S	Pondicherry central University	M com first year
11	161114112	NICY ELSA ALEX	Private	M.Com
12	161114113	NIDHIN BABU	The Institute of Cost Accountants of India	CMA
13	161114114	ROSHETHA CHINNU ROY	Fanshawe college , Canada	BMT 1B
14	161114115	SANUJA B SAJI	The Institute of Cost Acccountants of India, Cochin chapter	CMA (India) student

15	161114116	SOORYA KUMAR	Brilliance	PSC
16	161114117	SRUTHI JAGADEESH	Icai	CA articles
17	161114118	AKUL R	Sreyas institute	CA intermediate level
18	161114119	ALEENA ANTO	Logic	ACCA
19	161114120	ALEX ROY	Indian Matitime University	MBA
20	161114122	AMITH ABRAHAM JACOB	Time	CAT
21	161114124	ANISHA ANNA VARGHESE	Indian Maritime University	MBA
22	161114125	ANJALY	St.Thomas college Ranni	M.Com
		THANKACHAN		
23	161114127	ARYA LAL	The Institute of Cost Acccountants of India, Cochin chapter	CMA
24	161114128	ASHISH GEORGE JOHN	AFP Institution for accounting	studying CMA USA
25	161114129	ATHUL R	Sreyas	Student - CA Intermediate
26	161114131	DEVIKA P H		PSC Coaching
27	161114132	GEENA VARGHESE	ICAI	CA
28	161114133	GOPIKA GOPAKUMAR	Kollam IES	Bank COACHING
29	161114134	JERRY THOMAS	CAT Coaching Time institute	
30	161114136	JULIET ANCE ABRAHAM	S.B.Changanasherry	M.Com
31	161114137	MERIN PHILIP	CMS college Kottayam	M.Com
32	161114138	MISRIYA P SULAIMAN	Institution IGNOU	M.Com

33	161114139	NANDU M NAIR	CMS College	M.A Sociology
34	161114140	NIKHIA ELIZABETH OOMMEN	Logic school of management	Doing CMA India
35	161114141	PRIYANKA P S	CMS College Kottayam	M.Com
36	161114142	REUBEN JACOB CHERIAN	University of Canterbury	Applied DATA Science
37	161114143	RIYA SUSAN ROY	The Institute of Cost Acccountants of India, Cochin chapter	CMA
38	161114145	ROSHAN SHAJAN	Entrepreneur	Roshco Mutual benefit nidhi Ltd
39	161114146	SHREYA ELSA JACOB	IMS institute	Cat coaching
40	161114147	TINO MATHEW	Logic school of management	Persuing CPA
		JOHN		
41	161114148	TONY THOMAS	Fanshawe College, Canada	BMT 1B
42	161114149	VAISAKH JAYAN	ACCOUNTING SERVICES SOCIETY	SAP

AY19-20 - 98%

Class No	Name	Name of institution joined	Name of Programme admitted to
171114201	ABHIJITH P T		KSCSA, UPSC Coaching
171114202	AKHIL ZACHARIAH	Lambton college	international business management
171114203	ANUJA REBECA JACOB		UPSC Coaching
171114204	APARNA P K	Shreyas	CA
171114207	BITTA BETTY BENNY	Christ Deemed to be university Bangalore,Mcom,2017120	M.Com
171114208	CHRISTY SUSAN JOHN	Madras Christian College,M.Com,2001612083007	M.Com

171114209	DEVENDU MANOHAR		PSC Coaching
171114210	DEVIKA P KUMAR	TIME Institute kottayam,Bank coaching	Bank Coaching
171114211	ELSA BENNY	Assumption college (autonomous) chaganashery	M.Com
171114212	FREDY K JOHN	Anglia Ruskin University	BM
171114213	GURUPRIYA K NAIR		GBM
171114214	JENI SUSAN MATHEWS	St Lawrence college,	supply chain management
171114215	KARTHIKA UMESH	SB COLLEGE CHANGANASSERY, MCOM	M.Com
171114216	KRIPA R PILLAI	PONDICHERRY UNIVERSITY,	M.COM
171114217	KS GOPALAKRISHNA IYER		
171114219	MIDHUL JESUS BENNY	THE KERALA LAW ACADEMY LAW COLLEGE THIRUVANANTHAPURAM .	LLB
171114220	MILAN EAPEN THOMAS	IGNOU	M.Com
171114221	NITHYA P		
	NARAYANAN		
171114224	SHEEN THOMAS	St Joseph's College, Banglore,M.Com	M.Com
171114225	SILPA ASOKAN		
171114226	SUVARNA B	Momentum Academy	CA
171114227	TISHA ASHOK	CMS College Kottayam (Autonomous)	M.Com
171114228	VARSHA SHEJI	IMU	M.Com
171114229	VEENAPRIYA M M	Christ university Bangalore	M.Com
171114230	ABHISHEK P A	Christ Deemed to be university benglore	M.Com
171114231	AISWARIYA ASHOKAN	Momentum Academy Kottayam, 17/07/2020	C.A
171114232	AMRUTHA RAVEENDRAN		
171114233	ANANTHAKRISHNAN K R	BCom additional elective, MGU	
171114234	ANSU MATHEW	Government College Kottayam, M. Com	M.Com
171114235	APSARA P RAJAN	DB PAMBA COLLEGE PARUMALA, MANNAR, M.COM	M.Com
171114238	ASISH JOSEPH KURIAN	Pondichery University	M.Com

171114240	EMIL GEORGE JACOB	CMS College Kottayam (Autonomous)	M.Com
171114241	FEBIN BABY	Christ University	M.Com
171114242	GRESNA BIJU		
171114243	JERLIN GEORGE	Network academy	SAP
171114244	JOSE JACOB	Fintree Pune	CFA L1
171114245	MEERA M NAIR	The Institute of Chartered Accountants of India-CA	CA
171114246	PAAPPU ROY	CMS College Kottayam (Autonomous)	M.Com
171114247	RAHUL P RAJESH	St.Mary'S College ,Manarkadu	M.Com
171114248	RENJITHA KRISHNA	Catholicate college pathanamthitta	M.Com
171114250	SHONE P VARGHESE	Mg University,	Diploma in business and data analytics
171114251	SNEHA M BABU	DB College Keezhoor, M.COM (Finance &Taxation)	M.Com
171114253	THARIF KHAN	Christ College , Bangalore	M.Com
171114252	MEGHANA M RAVEENDRAN	ICD Kollam,Bank coaching	Bank Coaching

AY 20-21 - 23%

Year	Name of program graduated from	Number of students enrolling into higher education	Name of institution joined	Name of program admitted to
2020-2021	B Com	Vshnuprya CS	Logc School of Management	CA
		Aarcha Bju		
		Ansha Xaver		
		Aparna KS		
		Harshada Haridas		
		Rohit S Nar	Jan University	MBA
		Ashely Daniel	SCMS School of Technology and Management	MBA
		Anesha Saju	Jan University	M.Com
		Soumya B Plla	Momentum Academy	CA
		Amtha Susan Aby	Momentum Academy	CA
		Anjana Krshna	Momentum Academy	CA
		Neethu M B	CMS College Kottayam	M.Com
		Preetha Rajan	CMS College Kottayam	M.Com

[##] If the department offers more than one UG programme, provide the data and the percentage foreach programme

Percentage of placement of outgoing students from PG programme during thelast 3 years[$$]

AY 2018-19 - 23%

Sl.No:	Name of the candidate	Course	Year	Company	CTC	Sl.No:
1	Neethu Kurian	PG	M.Com	2019	KPMG	375000
2	Suchitra Surrendran	PG	M.Com	2019	KPMG	375000
3	Vysakh M A	PG	M.Com	2019	KPMG	375000
4	Nikhil Reghu	PG	M.Com	2019	KPMG	375000

AY 2019-20 - 44 %

Sl.No:	Name of the candidate	Course	Year	Company	CTC
1	Karuna Rajeev	M.Com.	2020	Chegg India	200000
2	Vishnu Priya AS	M.Com.	2020	Chegg India	200000
3	Ancy Anna Samuel	M.Com.	2020	Chegg India	200000
4	Anna Anju Varghese	M.Com.	2020	Chegg India	200000
5	Anna Anju Varghese	M.Com.	2020	ESAF	311652
6	Vishnu Priya AS	M.Com.	2020	ESAF	311652
7	Ancy Anna Samuel	M.Com.	2020	HCL	216000
8	Jisha Tharian	M.Com.	2020	HCL	216000
9	Shanty S	M.Com.	2020	HCL	216000
10	Ruppy Shaji	M.Com.	2020	KPMG	375000

11	Shemi Paul	M.Com.	2020	KPMG	375000
12	Karuna Rajeev	M.Com.	2020	KPMG	375000
13	Vishnu Priya AS	M.Com.	2020	KPMG	375000

AY 2020-21 9%

Sl.No:	Name of the candidate	Course	Company	CTC
1	Priyanka P S	M.Com.	Federal Bank	800000

If the department offers more than one PG programme, provide the data and the percentage for eachprogramme

Percentage of student progression from PG programme to higher education , i.e. PG to M.Phil./PhD (previous graduating batch)[##]

Formula:

$$\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$$

Name of program graduated from	Number of students enrolling into higher education	Name of institution joined	Name of program admitted to
M.Com	1	CMS College Kottayam	PhD
M.Com	2	Peet Memorial Training College	B.ed
M.Com	1	S.B College Changanassery	M.Phil

[##] If the department offers more than one PG programme, provide the data and the percentage for eachprogramme

Extra-curricular Activities

Number of students participated in sports at intercollegiate / University / state/national / international level during the last 3 years

Sl No	Student ID number	Name of the student	Event	National/ International
1	171215202	Abhay Jotin	U23 C K Naidu Kerala Cricket Team	National
2	171114202	Akhil Zacheriah	50 m Peep sight prown	National
3	181114302	Ajith Jacob	M.G University Inter zone champion	National

4	181114302	Ajith Jacob	Cooch Behar Trophy	National
	181114302	Ajith Jacob	Vinod Mankad Trophy	National
5	161114102	Abhishanker	All India Soft Ball Inter University Championship	National
6	171114237	Aravind Rajesh	All India Soft Ball Inter University Championship	National
7	161114102	Abhishanker	M.G University Inter zone champion	National
8	171114237	Aravind Rajesh	M.G University Inter zone championship	National
9	181215314	Sahil S	M.G University Inter zone championship	National
10	161114139	Nandu Nair	All India Volley Ball Inter University Championship	National
11	161114139	Nandu Nair	M.G University Inter Zone Championship	National
12	181114302	Ajith Jacob	MG University,Kottayam	National
13	191215103	Anuj Jotin	Marthoma College,Thiruvalla	National
14	181114302	Ajith Jacob	Marthoma College,Thiruvalla	National
15	191215103	Anuj Jotin	MG University Crickert Team	National
16	191215103	Anuj Jotin	Kerala College Premier League	National
17	191215103	Anuj Jotin	Ernakulam A Division Cricket league	State

Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

AY 2018-2019

Sl No	Student ID number	Name of the student	Event	Name of the award/ medal (Position)	National/ International
1	171215202	Abhay Jotin	U23 C K Naidu Kerala Cricket Team	Fourth	National
2	171114202	Akhil Zacheriah	50 m Peep sight prown	First	National
3	181114302	Ajith Jacob	M.G University Inter zone champion	First	National
4	181114302	Ajith Jacob	Cooch Behar Trophy	Fourth	National
	181114302	Ajith Jacob	Vinod Mankad Trophy	First	National

5	161114102	Abhishanker	All India Soft Ball Inter University Championship	First	National
6	171114237	Aravind Rajesh	All India Soft Ball Inter University Championship	First	National
7	161114102	Abhishanker	M.G University Inter zone champion	First	National
8	171114237	Aravind Rajesh	M.G University Inter zone championship	First	National
9	181215314	Sahil S	M.G University Inter zone championship	First	National
10	161114139	Nandu Nair	All India Volley Ball Inter University Championship	First	National
11	161114139	Nandu Nair	M.G University Inter Zone Championship	Third	National
12	181114302	Ajith Jacob	MG University,Kottayam	First	National
13	191215103	Anuj Jotin	Marthoma College,Thiruvalla	First	National
14	181114302	Ajith Jacob	Marthoma College,Thiruvalla	First	National
15	191215103	Anuj Jotin	MG Intercollegiate tournament Cricket	First	National
16	191215103	Anuj Jotin	Kerala College Premier League	Top run getter award	State
17	191215103	Anuj Jotin	Ernakulam A Division Cricke league	Top run getter award	State

Number of students participated in cultural events at intercollegiate /University / state/ national / international level during the last 3 years

AY 2019-2020

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number
CASUS BELLI	Jose, Thariff, Rahul	National	171114244, 171114253 ,171114247
Business Quiz	Jose and Rahul	National	171114244, 171114247
Marketing Competition	Rejin, Angela, Anna and Vishnupriya	National	

AY 2020-2021

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number

Best Manager	Harikrishnan G	National	181114312
Best Manager	Hima K Joseph	National	181114313

Number of awards/ medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

AY 2019—2020

Name of the event	**Name of the student**	**Name of the award/ medal**	**Regional/State/ National/ International**	**AADHAR / Student ID number**
CASUS BELLI	Jose, Thariff, Rahul	Second	National	
Business Quiz	Jose and Rahul	First	National	
Marketing Competition	Rejin, Angela, Anna and Vishnupriya	First	National	191215112 191215102

AY 2020-2021

Name of the event	**Name of the student**	**Name of the award/ medal**	**Regional/State/ National/ International**	**AADHAR / Student ID number**
Best Manager	Harikrishnan G	First	National	181114312
Best Manager	Hima K Joseph	First Runner up	National	181114313

Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years

Formula:

Percentage = $\frac{Number\ of\ students\ participating\ in\ such\ activities}{Total\ number\ of\ students} \times 100$

Year	**Name of the activity**	**Organising unit/ agency/ collaborating agency**	**Number of students participated in such activities**
2018-2019	Swachh Bharat Abhiyan	NSS, CMS College	9
	Workshop on Gender Issues	IQAC, CMS College	2
	Flood Relief	NSS & NCC, CMS College	6

2019-2020	Flood Relief	NSS, CMS College	10
	Plastic Collection Campaign	NSS, CMS College	24
	Swachh Bharat Abhiyan	NSS, CMS College	19
	Saaksharatha Survey	NSS, CMS College	20
	Green Initiative - Pachathuruth	NSS, CMS College	20

Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3 years

Name of the activity	**Name of the student**	**Number of students participated in such activities**	**Total number of students**	**Percentage**
NSS	ArathiSatheesan	19	158	12.02%
	Greeshma Mohan			
	Apsara P Rajan			
	AmruthaRaveendran			
	AnujaRebeca Jacob			
	Ashish Joseph			

Name of the activity	Name of the student	Number of students participated in such activities	Total number of students	Percentage
	Bitta Betty Benny			
	Abhijith P T			
	Fredy K John			
	Gurupriya K Nair			
	PoojaJayaprakash			
	Sheen Thomas			
	Abin S			
	Anitta Mariam Vargh			
	Denoy Abraham Var			
	Neethu M B			
	Noel Roy			
	Shamil M M			
	Suryakiran B			
NCC	Jase P George			
	Febin Baby			
	GopalakrishnanIyer			
	Jose Jacob			
	.Midhul Jesus Benny			
	Milan Eapen Thomas			
	Nitya P Narayanan			
	Vishnupriya K V			
College Students Dean	Sheen Thomas			

EDC	Aiswarya R Nair	6	158	3.79%
	Hareesh S			
	Navya Subash			
	Aiswarya B Nair			
	Anjana Krishna			
	Ashely Daniel			
Eco Life Club	Rohit S Nair	8	158	5.06%
	Soumya B Pillai			
	Vishnupriya C S			
	Aswin Das			
	Rishikesh Narayanan			
	Hari Krishnan G			
	Amitha Susan Aby			

	Name of the activity	Name of the student	Number of students participated in such activities	Total number of students	Percentage
NSS		Abin S Anitta Mariam Varghese Denoy Abraham Varghese Neethu M B Noel Roy Shamil M M Suryakiran B Archana K M Soubhagya SR Unnimaya Aiswarya Mohan Aiswarya S Mithiya Sara Sunny Swetha John Vandha Bismimol K B Arunima Nair Haritha K S Aiswarya Anil Sandra K Anil Liya Baby	21	154	13.63%
NCC		GopalakrishnanIyer Nitya P Narayanan Shilna S Kevin George Benjamin Abdul Manaf P I	5	154	3.24%
College Union General Secretary		Aparna Suresh	1	154	0.64%
College Students Dean		Sheen Thomas	1	154	0.64%

Name of the activity	Name of the student	Number of students participated in such activities	Total number of students	Percentage

EDC	Aiswarya R Nair	9	154	5.84%
	Hareesh S			
	Navya Subash			
	Aiswarya B Nair			
	Anjana Krishna			
	Ashely Daniel			
	Dexina Tomy			
	Naidhan A Mattathil			
	Rose Robert			
Eco Life Club	Rohit S Nair	9	154	5.84%
	Soumya B Pillai			
	Vishnupriya C S			
	Aswin Das			
	Rishikesh Narayanan			
	Hari Krishnan G			
	Amitha Susan Aby			
	Arun Kumar R			
	Sharon Boji Alex			
Fitness Club	Jehan Mary Jacob	4	154	2.59%
	Ajith Jacob			
	Jayasankar S			
	Ashin K Sam			
Red Ribbon Club	Aarcha Biju	2	154	1.29%
	Preetha Rajan			
Campus Lens	Harikrishnan M	8	154	5.19%
	Renu Susan Varghese			
	Shine Daniel			
	Diya M S			
	Anil Andrews			
	Abhijith Anil			
	Kevin Jacob Shaju			
	Vyshnavi M			
Anti Narcotics Club	Achsah Mariam Johnson	4	154	2.59%
	Akhil Thomas Kurian			
	Gopu Gopakumar			
	Nandhu Manoharan			
Performing & Fine Arts Club	Jiya Anna Laj	2	154	1.29%
	Febi Sara Binu			
	Sarika Sasi			
	Radhika A			
	Annamma Kuruvilla			

Women's Studies Club	Binymol K Eldhose Priya Sabu Aparna S Krishnendhu Banarjee	7	154	4.54%	**AY 2019-2020** **AY 2020-2021**
Bird's Club	Anusha Xavier Feba Biju Aleena Jiby Aneesha Saju Anjitha C S Aparna K S Margret Johnson	7	154	4.54%	
Eastern Music Club	Minna George	1	154	0.64%	
Red Ribbon Club	Sreeraj Puthuparambil Sreenivasan Harshada V Haridas	2	154	1.29%	
Health and Hygiene Club	Keerthi Shaji Shin Mary Paul Shalu Saji Sradha Susan Joseph	4	154	2.59%	
Debate Club	Anjaly Satheesan Kripa Susan Sabu	2	154	1.29%	
UNAI	Dona Elza David Jefin Jose	2	154	1.29%	
Reader's Club	Anumol V A Archana Mohanan	2	154	1.29%	
Quiz Club	Meera Suresh Fetty Elsa Thomas Shameera S	3	154	1.94%	
Western Music Club	Anjana Rajagopal Chincy Loody	2	154	1.29%	
Western Music - Choir	Jyothis Jacob Meema Elsa Sam	2	154	1.29%	
Eastern Club	Athul Raj	1	154	0.64%	
Bio Diversity Club	Tiju Thampykutty Paulose	1	154	0.64%	

Name of the activity	**Name of the student**	**Number of students participated in such activities**	**Total number of students**	**Percentage**

NSS	Archana K M	22	153	14.37%
	Soubhagya SR			
	Unnimaya M			
	Aiswarya Mohan			
	Aiswarya S			
	Mithiya Sara Sunny			
	Swetha John			
	Vandhana P Biju			
	Bismimol K B			
	Arunima Nair			
	Haritha K S			
	Aiswarya Anil			
	Sandra K Anil			
	Liya Baby			
	Aromal Mahesh			
	Ayana Sankar			
	Navami Venugopal			
	Sreevdya S Paniker			
	Elsa Smyrna Mathew			
	Bhavana Raj T			
	Priyanka Thomas			
NCC	Shilna S	5	153	3.26%
	Abdul Manaf P I			
	Abhishek P Sabu			
	Akash Kumar E S			
	Lakshmi Chandrabose			

Provide table wise and year wise data separately for NSS/NCC/Clubs/College Union etc.

Professional societies/ chapters and organizing academic events

Name of the student	Name of society/chapter	Academic event organized

Organization of paper contests, design contests, etc., and achievements

AY 2018-2019

Name of the student	Name of contest	Type of the contest	Achievements

AY 2019-2020

Name of the student	Name of contest	Type of the contest	Achievements

AY 2020-2021

Name of the student	Name of contest	Type of the contest	Achievements

Publication of technical magazines, newsletters, journals, etc.

Name of the student	Technical magazine				Newsletter				Journal			
	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.

Entrepreneurship initiatives, product designs and innovations**Meet the Entrepreneur program arranged for the studentsWorkshop on Screen Printing**

Workshop on Envelop Making
Workshop on Paper Bags

(Describe the initiatives taken)
Publications and awards in inter – institute events by students of theprogramme of study

Name of the student	Name of the awarding institute	Name of the event	Name of the award	Position acquired (first/second third)

9. Faculty Contributions

Student Teacher Ratio (STR) **25:1**
Faculty Cadre Ratio 2:6

Faculty Qualifications
Percentage of full time teachers registered for Ph.D. (Value points will begiven only for the first 3 years of registration)

Formula:
Percentage **=**

$$\frac{\text{Number of full time teachers in the department registered for Ph.D.}}{\text{Total number of full time teachers}} \times 100 = 57.14\%$$

Name of full time teacher registered for PhD	Date of registration	Number of full time teachers registered for PhD	Total number of full time teachers
Ms. Minnie Mary Ninan	1/1/2018	4	7
Ms. Tilda Mary Daniel	4/7/2013		
Ms. Jisha Mary Mathew	1/1/2018		
Mr.Riju Varkey Thomas	1/09/2021		

Number of teachers awarded national/international fellowship for advancedstudies/research during the last 3 years

Year	Name of the teacher awarded national / international fellowship	Name of the award	Awarding Agency
2018-19	Ann Abraham	FIP	UGC

Percentage of teachers recognized as research guides

Formula:

$$\frac{Total\ number\ of\ \ teachers\ recognized\ as\ research\ guides}{Total\ number\ of\ \ teachers\ in\ the\ department}$$

AY 2018-2019= 37.5%

Name of teachers recognized as research guides	Year of recognition	Recognizing University	Total number of teachers
Dr.Tomy Mathew	1998	Mahatma Gandhi University	8
Dr.Roy Sam Daniel	1998	Mahatma Gandhi University	
Dr.Vimal George Kurian	2018	Mahatma Gandhi University	

AYA 2019-2020= 22.2%

Name of teachers recognized as research guides	Year of recognition	Recognizing University	Total number of teachers
Dr.Roy Sam Daniel	1998	Mahatma Gandhi University	9
Dr.Vimal George Kurian	2018	**Mahatma Gandhi University**	

AY 2020-2021=14%

Name of teachers recognized as research guides	Year of recognition	Recognizing University	Total number of teachers
Dr.Vimal George Kurian	2018	Mahatma Gandhi University	7

Faculty competencies in correlation to Programme Specific Criteria

2	Dr.Vimal George Kurian	PSO 5 , PSO 6 , PSO 7	Specialisation in Statistics and Tax
3	Ms. Ann Abraham	PSO 3 , PSO 7 , PSO 8	Specialisation in Tax
4	Ms. Minnie Mary Ninan	PSO 3 PSO 4 PSO 5	Specialisation in Banking and Finance

5	Ms. Tilda Mary Daniel	PSO 1 , PSO 2 , PSO 6	Specialisation in Cost Accounting and Quantitative Techniques
6	Ms. Jisha Mary Mathew	PSO 1 , PSO 3	Specialisation in Accounting
7	Mr. Riju Varkey Thomas	PSO 1 , PSO 2	Specialisation in Tax and Accounting
8	Ms.Agna Mariyam Laji	PSO 1	Specialisation in Accounting

Academic Calendar and Teaching plans

Timetable given as appendix

Number of Phds awarded per teacher (as research guide) during the last 3 years

Formula:

$$\frac{\text{Total number of Ph.D.degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$$

= 62.5 %

Name of the PhD scholar	Name of the guide/s	Title of the thesis	Year of registration of the scholar	Year of award of PhD
Sulfiya Samad	Dr.Jacob Thomas	Effect of Liberalisation on Fish Processing Industry: A study of Micro and Small units in Kerala	6/11/2012	02/09/2019
Raji Iype	Dr. Tomy Mathew	HRM Practices and Employee Satisfaction in the Banking Sector	15/7/2013	March 2019
Ashish Varughese	Dr. Tomy Mathew	Impact of Foreign Institutional Investors on Indian Stock Market	08/11/2011	31/05/2019
Aparna V	Dr. Tomy Mathew	A study on the Impact of Trade Agreements on the performance of Plantation Industry in India	28/3/2012	28/5/2019
		Gold as an Investment		

Anu Anna Ninan	Dr. Jacob Thomas	Avenue: A Study of Government Employees in Kerala	08/07/2013	27/07/2020

Percentage of teachers using ICT for effective teaching with Learning ManagementSystems (LMS), E-learning resources, E-content management etc.**

Formula:

$$\frac{Number\ of\ teachers\ in\ the\ department\ using\ ICT}{Total\ number\ of\ teachers\ in\ the\ department} \times 100$$

AY 2018-2019 – 100%

Name of teacher using ICT	Type of ICT facilities used	Number of teachers using ICT	Total number of teachers
Dr. Tomy Mathew	MS Powerpoint	7	7
Dr.Vimal George Kurian	MS Powerpoint		
Ann Abraham	MS Powerpoint		
Minnie Mary Ninan	MS Powerpoint		
Tilda Mary Daniel	MS Powerpoint		
Jisha Mary Mathew	MS Powerpoint		
Riju Varkey Thomas	MS Powerpoint		

AY 2019-2020 - 100%

Name of teacher using ICT	Type of ICT facilities used	Number of teachers using ICT	Total number of teachers
Dr.Vimal George Kurian	E-content Management	7	7
Ann Abraham	E-content Management		
Minnie Mary Ninan	E-content Management		
Tilda Mary Daniel	E-learning resources		
Jisha Mary Mathew	E-content Management		
Riju Varkey Thomas	E-learning resources		
Agna Mariyam Laji	E-content Management		

AY 2020-2021

Name of teacher using ICT	Type of ICT facilities used	Number of teachers using ICT	Total number of teachers
Dr.Vimal George Kurian	Light Board , E-content Management	7	7
Ann Abraham	Light Board, E-content Management		
Minnie Mary Ninan	Light Board, E-content Management		
Tilda Mary Daniel	Light Board, LMS, E-content Management		
Jisha Mary Mathew	E-content Management		
Riju Varkey Thomas	LMS, E-content Management		
Agna Mariyam Laji	Light Board, E-content Management		

** Validation based on student feedback and link for webpage describing LMS/Academic Management System.

Faculty as participants/ resource persons in faculty professional development/ training Activities/ seminars/ workshops/ symposia/ conferences (national & international)	**Name of the teacher**	**Role of the teacher (participation/ resource person)**	**Type of programme (faculty development/ training/ seminar/ workshop / symposia/ conference)**	**Name of the programme**	**National/ international**
Duration (From – to)					
2018-2019					

14th and 15th Dec 2018	Vimal George Kurian	Participant	Conference	2 day National Conference on Paradigm Shift in Indian Economy : Opportunities and Challenges	National
28th July 2018	Vimal George Kurian	Participant	Workshop	The Methodology in Teaching Commerce	State
21-22 May 2019	Vimal George Kurian	Participant	Workshop	Two Day Workshop on Econometrics	State
30May - 1 June 2019	Vimal George Kurian	Participant	Faculty Orientation Programme	UGC-Faculty Orientation Programme for Student Induction	National
2-4 August 2018	Ann Abraham	Participant	Workshop	Data Analysis in Social Sciences Research using SPSS	State
29th September 2018	Ann Abraham	Participant	Conference	International Conference on Commerce and Management in the Changing Times	International
29th September 2018	Ms.Minnie Mary Ninan	Participant	Conference	International Conference on Commerce and Management in the Changing Times	International
27th and 28th September 2018	Tilda Mary Daniel	Participant	Conference	International Conference on Commerce and Pharma Management	International
12,13th and 14th December 2018	Jisha Mary Mathew	Participant	Workshop	Three Day National Workshop on Methodology in Social Sciences Research and its Applications MSSRA2018	National
28th July 2018	Jisha Mary Mathew	Participant	Workshop	The Methodology in Teaching Commerce	State
25th Jan 2019	Jisha Mary Mathew	Participant	Workshop	State Level Workshop On Gender Equality and Mainstreamng :A Practical Approach to GenderPlanning	State
				Budgeting And Auditing	
24th October 2018	Riju Varkey Thomas	Participant	Workshop	Academic and Non Academic aspects of Bachelor of Vocation	State
28th July 2018	Riju Varkey Thomas	Participant	Workshop	The Methodology in Teaching Commerce	State
27th September 2018	Riju Varkey Thomas	Participant	Workshop	The basic issues of B.Voc	State
2019-2020					

15 16 June 2019	Vimal George Kurian	Participant	Workshop	Workshop on Basic Econometrics	State
19-25 May 2020	Vimal George Kurian	Participant	Workshop	Creative Adaptation-Research out through Digital Classrooms	National
18-24 May 2020	Vimal George Kurian	Participant	Workshop	One week Online Professional Certification Programme in LMS for Educators with Special Focus on Online Evaluation	National
8th April 2020	Minnie Mary Ninan	Participant	Seminar	Conducting Online Classes	National
25th April 2020	Minnie Mary Ninan	Participant	Workshop	Fine Tuning Research Planning using Elsevier Tools : Science Direct Scopus and Mendeley	National
12th Novemb er 2019	Minnie Mary Ninan	Participant	Conference	International conference on Entrepreneurship in the Era of Innovation and Disruption	International
18th-22nd Novemb er 2019	Minnie Mary Ninan	Participant	FDP	Faculty Development Programme in Commerce and Management	National
27th May 2020	Minnie Mary Ninan	Participant	Seminar	Impact of Financial Packages of the Union Government to stimulate Indian Economy	State
12th Novemb er, 2019	Tilda Mary Daniel	Participant	Conference	International conference on Entrepreneurship in the Era of Innovation and Disruption	International
6th, 7th January 2020	Jisha Mary Mathew	Participant	Conference	International Conference on Socio cultural impacts of migraton :Challenges and Possibilities	International
30/04/20 20	Jisha Mary Mathew	Participant	Seminar	InternationalWebinar on Academic Publishing in Top Rated Journals	International
27/05/ 2020	Jisha Mary Mathew	Participant	Seminar	NationalWebinar on Fine Tune Your Research Papers:Publicatons in Scopus Web of Science indexed And ABCD Journals	National
19-05-2020 to 25-05-2020	Riju Varkey Thomas	Participant	Workshop	Creative Adaptation - Reaching out through Digital Classrooms	National

27-04-2020 to 03-05-2020	Riju Varkey Thomas	Participant	Workshop	Digital Teaching for Smart Learning	National
19-22 May 2020	Riju Varkey Thomas	Participant	FDP	Data Analysis using Spreadsheet	National
11 th -16 th May 2020	Agna Mariyam Laji	Participant	FDP	ICT Tools for Effective Teaching Learning	National
19-22 May 2020	Agna Mariyam Laji	Participant	FDP	Online FDP.Data Analysis using Spreadsheet	National
2020-2021					
July 20-26 2020	Dr. Vimal George Kurian	Participant	FDP	7 Days Faculty Development Programme on Time Series and Panel Data Analysis	National
March 3-10, 2021	Dr. Vimal George Kurian	Participant	FDP	7 Days Faculty Development Programme on Econometrics for Time Series Analysis, Kristu Jayanti College	National
27th June-3 July 2020	Dr. Vimal George Kurian	Participant	FDP	One Week Faculty Development Programme on Financial Markets : Teaching and Research Perspectives- KSHEC Bishop Moore	National
19-23 October 2020	Dr. Vimal George Kurian	Participant	FDP	Faculty Development Programme on Online Education in Higher Education Institutions-KSHEC	National
21-27 October 2020	Dr. Vimal George Kurian	Participant	FDP	One Week Faculty Development Program on Development and Implementation of MOOCS - Teaching Learning Centre-Ramanujan College	National
March-May 2021	Dr. Vimal George Kurian	Participant	FDP	National Level Online Workshop on Time Series Analysis- Christ University	National
				Nodal Centre	
6th September 2020	Dr. Vimal George Kurian	Participant	FDP	International Webinar on Some Insights on Applications of Derivatives	National

07-10-2020	Dr.Vimal George Kurian	Participant	FDP	International Webinar on 'SYSTEMS THINKING: An Introduction' conducted by the Department of Commerce (Aided), CMS College Kottayam (Autonomous)	International
4th July 2020	Ms.Ann Abraham	Participant	FDP	National Level Webinar-Economic Survival of Kerala after Covid Crisis'	National
5th July 2020	Ms.Ann Abraham	Participant	FDP	One Day Online Faculty Development Program-SEBI as a Regulator; Investor Oriented Measures-Bishop Moore College Mavelikara	National
09/09/2020	Ms.Ann Abraham	Participant	FDP	Webinar on The Salient Features of NEP and its Rationale	Local
16/09/2020	Ms.Ann Abraham	Participant	FDP	Webinar on Practicable NEP-2020: Educational Thoughts	Local
07/10/2020	Ms.Ann Abraham	Participant	Webinar	International Webinar on 'SYSTEMS THINKING: An Introduction'	International
15th to 21st April 2021	Ms.Ann Abraham	Participant	FDP	One week Faculty Development Program on Innovation and Entrepreneurship Development	National
27th June - 3rd July 2020	Ms.Minnie Mary Ninan	Participant	FDP	One Week FDP – 'Workshop on Financial Market: Teaching and Research Perspective	National
29th June 2020	Ms.Minnie Mary Ninan	Participant	Webinar	National Webinar Economic survival of Kerala after Covid Crisis	National
4th July 2020	Ms.Minnie Mary Ninan	Participant	FDP	National Faculty Development Programme, organised by Bishop Moore College	National
5th July 2020	Ms.Minnie Mary Ninan	Participant	FDP	Faculty Development Programme "Impact of GST on Indian Financial Market"	National
11th July 2020	Ms.Minnie Mary Ninan	Participant	Webinar	National Webinar on Derivatives -Options and Swaps	National
26th August	Ms.Minnie Mary Ninan	Participant	Webinar	National Webinar on Derivatives and Risk	National
2020				Management	
9th September 2020	Ms.Minnie Mary Ninan	Participant	Webinar	Online Webinar on the Salient features of NEP and its Rationale	Local

22 September 2020	Ms.Minnie Mary Ninan	Participant	Webinar	National Webinar on Econometrics for Beginners	National
7th October 2020	Ms.Minnie Mary Ninan	Participant	Webinar	International Webinar on SYSTEMS Thinking : An Introduction	International
15th, 16th October 2020	Ms.Minnie Mary Ninan	Participant	Conference	Rajagiri Management Conference	International
18th, 19th march 2021	Ms.Minnie Mary Ninan	Participant	Conference	International Virtual conference on Emerging trends Issues and Challenges of Global Economy	International
March 22 - 31, 2021	Ms.Minnie Mary Ninan	Participant	Workshop	Workshop on Contemporary Finance Research Tools and Publication	International
28th March 2021	Ms.Minnie Mary Ninan	Participant	Conference	International Conference on Contemporary Research in Finance	International
12 to 14 February 2021	Ms.Tilda Mary Daniel	Participant	Conference	International Conference on Rigor, Relevance & Resilience in Business & Management Research - Organised by Symbiosis Institute of Business Management, Hyderabad	International
20 to 26 June 2020	Ms.Tilda Mary Daniel	Participant	FDP	7 Days National FDP on Time Series and Panel Data Analysis - Teaching Learning Centre, Ramanujan College	National
11/07/2020	Ms.Tilda Mary Daniel	Participant	Webinar	Webinar on Derivatives - Options and Swaps - Organised by Department of Commerce, Bishop Moore College, Mavelikara	National
09/09/2020	Ms.Tilda Mary Daniel	Participant	Webinar	Webinar on The Salient Features of NEP and its Rationale - Organised by IQAC, CMS College College Kottayam (Autonomous)	Local
16/09/2020	Ms.Tilda Mary Daniel	Participant	Webinar	Webinar on Practicable NEP-2020: Educational Thoughts-	Local
				Organised by IQAC, CMS College College Kottayam (Autonomous)	

June 2020	Ms.Tilda Mary Daniel	Participant	Short term course	A Short-Term Course in E-Teaching with Learning Management System	State
01 to 05 September 2020	Ms.Tilda Mary Daniel	Participant	Workshop	Workshop on Data Analysis Using SPSS - Organised by BCM College, Kottayam	State
05/02/2021	Ms.Tilda Mary Daniel	Participant	Webinar	Webinar on Research and Publication Strategy for an Academic Career, Department of Commerce, Christ College (Autonomous), Irinjalakuda	State
07-10-2020	Ms.Jisha Mary Mathew	Participant	Webinar	International Webinar on 'SYSTEMS THINKING: An Introduction' conducted by the Department of Commerce (Aided), CMS College Kottayam (Autonomous)	International
22-08-2020	Ms.Jisha Mary Mathew	Participant	Webinar	International Webinar on the topic 'Portfolio Management in Derivatives and Commodities' by Department ofCommerce Bishopmoore College Mavelikara	International
27-11-2020	Ms.Jisha Mary Mathew	Participant	Webinar	International webinar on Virtual Classroom ,Silence and Exclusion:Revisiting the Pedagogical Resistance to Pandemic - byPGDSCMSCollegeKottayam(Autonomous)	International
04-07-2020	Ms.Jisha Mary Mathew	Participant	FDP	One Day National Faculty Development Programme"SEBI as a Regulator; Investor Oriented Measures" organised by the Department of Commerce, Bishop Moore College, Mavelikara,	National
05-07-2020	Ms.Jisha Mary Mathew	Participant	FDP	One Day National Faculty Development Programme"Impact of GST on Indian Financial Market " organised by the Department of Commerce, Bishop Moore College, Mavelikara,	National

12-10-2020	Ms.Jisha Mary Mathew	Participant	Webinar	National Webinar on Crisis and the Sociological Perspective :The Pandemic and Social Structure by PGDSCM College Kottayam(Autonomous)	National
29-06-2020	Ms.Jisha Mary Mathew	Participant	Webinar	National Level Webinar on 'Economic Survival of Kerala after Covid Crisis' conducted by Department of Commerce (Self Financing), CMS College Kottayam (Autonomous)	National
23-09-2020	Ms.Jisha Mary Mathew	Participant	Webinar	Webinar on NEP2020:Opportunities and Challenges for the Collegiate Education System by IQACCMSCollegeKottayam(Autonomous)	Local
23 to 29 Sep 2020	Ms.Jisha Mary Mathew	Participant	FDP	One Week International Online Faculty Development Programme On "Prospects Of Virtual Teaching: Engaging Learners And Empowering Teachers"Mount Carmel College Of Teacher Education For Women Kottayam, Kerala	International
07-07-2020	Ms.Jisha Mary Mathew	Participant	Webinar	webinar on "Role of Institutional Values and Green Practices in Accreditation Process" organized by Internal Quality Assurance Cell, Kuriakose Elias College Mannanam.	Local
06-08-2020	Ms.Jisha Mary Mathew	Participant	Webinar	Webinar on Research And Publication Ethics by Research Council,Department of Library and InformationStudiesand IQAC StThomasCollegeTrissur,Directorate of ResearchUniversity of Calicut	State
10-08-2020	Ms.Jisha Mary Mathew	Participant	Webinar	Webinar in text citation and referencing pattern by College Library Bharata MataCollege	State

11-08-2020	Ms.Jisha Mary Mathew	Participant	Webinar	Webinar on "Framing Research Objectives and Selection of Suitable Statistical Tools"	State
				organized by the Internal Quality Assurance Cell (IQAC) & the Research and Consultancy Cell, Vimala College (Autonomous), Thrissur	
16-10-2020	Ms.Jisha Mary Mathew	Participant	Webinar	Webinar on Practicable NEP-2020:EducationalThoughts organised by IQAC CMSCollegeKottayam(Autonomous)	Local
27th October - 30th October, 2020	Ms.Jisha Mary Mathew		FDP	Faculty Development Workshop on Accounting Standards	National
27th June-3rd July 2020	Ms.Jisha Mary Mathew	Participant	FDP	One Week Faculty Development Programme on Financial Markets : Teaching and Research Perspectives- KSHEC Bishop Moore	National
27th June-3rd July 2020	Mr.Riju Varkey Thomas	Participant	FDP	One Week Faculty Development Programme on Financial Markets : Teaching and Research Perspectives- KSHEC Bishop Moore	National
29th June,2020	Mr.Riju Varkey Thomas	Participant	Webinar	Webinar on 'Economic Survival of Kerala after Covid Crisis'	National
5th July,2020	Mr.Riju Varkey Thomas	Participant	FDP	One Day Faculty Development Programme on "Impact of GST on Indian Financial Market "	National
11th July,2020	Mr.Riju Varkey Thomas	Participant	FDP	One Day Faculty Development Programme on "Derivatives – Options and Swaps"	National
23rd July,2020	Mr.Riju Varkey Thomas	Participant	Webinar	Webinar on Classroom Management Tools	National
6th September,2020	Mr.Riju Varkey Thomas	Participant	Webinar	International Webinar on Some Insights on Applications of Derivatives	International
9th September,2020	Mr.Riju Varkey Thomas	Participant	Webinar	Webinar on The Salient Features of NEP and its Rationale	Local

16th Septemb er,2020	Mr.Riju Varkey Thomas	Participant	Webinar	Webinar on Practicable NEP-2020: Educational Thoughts	Local
7th	Mr.Riju	Participant	Webinar	International Webinar on	International
October, 2020	Varkey Thomas			SYSTEMS Thinking : An Introduction	
27th October - 30th October, 2020	Mr.Riju Varkey Thomas	Participant	FDP	Faculty Development Workshop on Accounting Standards	National
26 th June -24 th July 2020	Mr.Riju Varkey Thomas	Participant	Induction/O rientation	Induction/Orientation Programme	National
30/05/20 20	Ms.Agna Mariyam Laji	Participant	Webinar	Economic-Financial Challenges And Learning: Covid 19 Pandemic Impact	National
29/06/20 20	Ms.Agna Mariyam Laji	Participant	Webinar	Economic Survival Of Kerala After Covid Crisis	National
07/08/20 20	Ms.Agna Mariyam Laji	Participant	Webinar	National Education Policy:Issues And Implications	National
26 th June -24 th July 2020	Ms.Agna Mariyam Laji	Participant	Induction/O rientation	Induction/Orientation Programme	National
07-10-2020	Ms.Agna Mariyam Laji	Participant	Webinar	International Webinar on ‘SYSTEMS THINKING: An Introduction’ conducted by the Department of Commerce (Aided), CMS College Kottayam (Autonomous)	International
07-10-2020	Ms.Tilda Mary Daniel	Participant	Webinar	International Webinar on ‘SYSTEMS THINKING: An Introduction’ conducted by the Department of Commerce (Aided), CMS College Kottayam (Autonomous)	International
21 st Novemb er 2020	Dr. Vimal George Kurian	Participant	Webinar	Intellectual Property Rights and E- content Development. Dr Devaprasad M, IIM Kozhikode	National
21 st Novemb er 2020	Ms.Ann Abraham	Participant	Webinar	Intellectual Property Rights and E- content Development. Dr Devaprasad M, IIM Kozhikode	National

21 st November 2020	Ms.Minnie Mary Ninan	Participant	Webinar	Intellectual Property Rights and E- content Development. Dr Devaprasad M, IIM Kozhikode	National
21 st November 2020	Ms.Tilda Mary Daniel	Participant	Webinar	Intellectual Property Rights and E- content Development. Dr Devaprasad M, IIM Kozhikode	National
21 st November 2020	Ms.Jisha Mary Mathew	Participant	Webinar	Intellectual Property Rights and E- content Development. Dr Devaprasad M, IIM Kozhikode	National
21 st November 2020	Mr.Riju Varkey Thomas	Participant	Webinar	Intellectual Property Rights and E- content Development. Dr Devaprasad M, IIM Kozhikode	National
21 st November 2020	Ms.Agna Mariyam Laji	Participant	Webinar	Intellectual Property Rights and E- content Development. Dr Devaprasad M, IIM Kozhikode	National
27th June-3rd July 2020	Ms.Ann Abraham	Participant	FDP	One Week National FDP - Department of Commerce, Bishop Moore College Mavelikara in association with KSHEC	National
5th-11thAugust2021	Ms.Jisha Mary Mathew	Participant	FDP	Digital Technologies for E-Learning	State
05th - 19th August 2021	Ms.Minnie Mary Ninan	Participant	FDP	Managing Online Classes & Co-creating MOOCS 7.0	National
05th - 19th August 2021	Ann Abraham	Participant	FDP	Managing Online Classes & Co-creating MOOCS 7.0	National
15th-21st April 2021	Ann Abraham	Participant	FDP	Innovation and Entrepreneurship Development	National
9 th-14 th August 2021	Jisha Mary Mathew	Participant	FDP	Goods and Service Tax	National
05th - 19th August 2021	Vimal George Kurian	Participant	FDP	Managing Online Classes & Co-creating MOOCS 7.0	National

Faculty Retention

Faculty Research Publications (FRP)

Number of research papers per teacher in the Journals notified on UGCwebsite during the last 3 years

Formula:

$$\frac{Total\ number\ of\ \ publications\ in\ UGC\ notified\ journals\ in\ the\ \ last\ 3\ years}{Total\ number\ of\ \ teachers\ who\ published\ in\ UGC\ notified\ journals\ in\ the\ \ last\ 3\ years}$$

AY 2018-2019

Title of paper	Name of the teacher	Name of journal	ISBN/ISSN number	Impact factor if any	Affiliating institute at the time of publication
A Study on the Impact of Goods and Services Tax Reform on Hotels in Kerala	Dr. Tomy Mathew	International Journal of Management Studies	2249-0302	2.26	CMS College
Awareness and Satisfaction Level of GST among Consumers in Kerala	Dr. Tomy Mathew	Research Review Journals	2455-3085		CMS College
Performance Evaluation of Investments under active and passive investment strategies.	Dr. Tomy Mathew	Research Review :International Journal for Multi disciplinary	2455-3085		CMS College
A Study on the Impact of Goods and Services Tax Reform on Hotels in Kerala	Ann Abraham	International Journal of Management Studies	2249-0302	2.26	CMS College

Awareness and Satisfaction Level of GST among Consumers in Kerala	Ann Abraham	Research Review Journals	2455-3085		CMS College
Performance Evaluation of Investments under active and passive investment strategies.	Minnie Mary Ninan	Research Review :International Journal for Multi disciplinary	2455-3085		CMS College

AY 2019-2020

Title of paper	Name of the teacher	Name of journal	ISBN/ISSN number	Impact factor if any	Affiliating institute at the time of publication
Regional Comprehensive Economic Partnership (RCEP) Agreement: Implications for the Indian Pharmaceutical Industry	Roy Sam Daniel	Studies in Indian Place Names	2394-3114	6.3	CMS College
Foreign Exchange Exposure of the Indian Pharmaceutical Industry	Roy Sam Daniel	Think India	0971-1260	6.2	CMS College
The Aftermath of Goods and Services Tax Reform on Consumers in Kerala	Ann Abraham	Abhigyan	0970-2385		CMS College

Performance evaluation of Investments Passive investment strategy	Minnie Mary Ninan	Think India	0971-1260	6.2	CMS College
Regional Comprehensive Economic Partnership (RCEP) Agreement: Implications for the Indian	Tilda Mary Daniel	Studies in Indian Place Names	2394-3114	6.3	CMS College

Pharmaceutical Industry					
Foreign Exchange Exposure of the Indian Pharmaceutical Industry	Tilda Mary Daniel	Think India	0971-1260	6.2	CMS College

AY 2020-2021

Title of paper	Name of the teacher	Name of journal	ISBN/ISSN number	Impact factor if any	Affiliating institute at the time of publication
Performance of managed funds: a conceptual study with respect to the theory of efficient market hypothesis	Minnie Mary Ninan & Dr.Tomy Mathew	The Journal Of Oriental Research Madras	ISSN : 0022-3301	7.193	CMS College

Journal with the highest impact factor in your stream and its impact factor(multidisciplinary journals are not to be counted):…..

Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years

Formula:

$$\frac{\text{Total number of books and chapters in edited volumes / books published,and papers in national/international conference-proceedings per teacher during the last 3 years}}{\text{Total number of teachers who published in the last 3 years}}$$

Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	ISBN/ISSN number of the proceeding	Name of the publisher	Affiliating institute at the time of publication
An Anthology of of Multi-Functional Perspectives in Business and	Exchange Rate Exposure, International Activity Levels and Hedging: Evidence			International	978-93-91260-11-8	Eureka Publications,	CMS College

Management Research	from Indian Pharmaceutical Industry						

BiblioMetrics of the publications during the last 3 years based on average citation index and H-index in Scopus/ Web of Science or PubMed/ Indian Citation Index/Google scholar

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Average H-index of the faculties	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Regional Comprehensive Economic Partnership (RCEP) Agreement: Implications for the Indian Pharmaceutical Industry	Tilda Mary Daniel	Studies in Indian Place Names	2020	**2**	**1**	CMS College Kottayam	2
Foreign Exchange Exposure of the Indian Pharmaceutical Industry	Tilda Mary Daniel	Think India	2020	**1**		CMS College Kottayam	

Faculty Intellectual Property Rights (FIPR)

9.11.1. Number of Patents published/awarded

Name of the teacher	Name of the Patent published/awarded	Patent Number	Year of award	Affiliating institute at the time of publication/award

Funded R & D projects and consultancy works

Major Research projects sponsored by government sources such as UGC,DST, DBT, KSCSTE, etc.

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

Minor Research projects sponsored by government sources such as UGC(Amount in Rupees)

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

Research projects sponsored by the non-government sources such as industry,corporate houses, international bodies, endowments (Amount in Rupees)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Funds provided	Duration of the project

Consultancy

Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (amount in rupees)

Revenue generated from corporate training by the department during theprevious year

Names of the teacher-consultants	Title of the corporate training program	Agency seeking training with contact details	Revenue generated (amount in rupees)	Number of trainees

Number of awards for innovation won by teachers

Title of the innovation	Name of the Awardee	Year of award	Name of the Awarding Agency with contact details

Faculty interaction with International Collaborations

Name of the faculty	Collaborating agency/ institute/ industry	Name of the agency/ institute/ industry/ organization	Type of collaboration (research/ teaching/ industrial etc.)	Country of the collaborating party	Has any MoU signed?	Validity period of the MoU

Ms. Tilda Mary	Brunel University London &	Brunel University London &	Collaborative Research	United Kingdom	Yes	March 2021 to

Daniel	Savitribai Phule Pune University	Savitribai Phule Pune University				March 2023

Membership in Professional bodies

9.15.1. Membership in professional bodies in Universities / other colleges

Name of the teacher	**Name of the academic body**	**Position held**
Dr.Vimal George Kurian	Indian Accounting Association	Life Member
Ms. Ann Abraham	Indian Accounting Association	Life Member
Ms. Minnie Mary Ninan	Indian Accounting Association	Life Member
Ms. Tilda Mary Daniel	Indian Accounting Association	Life Member
Mr.Riju Varkey Thomas	Indian Accounting Association	Life Member

Reviewer/Editors of International and national journals

Name of the teacher	**Name of the Journal, ISSN No., publisher, national/ international**	**Role of the teacher (Reviewer/ Editor)**

Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 3 years

Academic body / Administrative body / Committee/CLUB	**Name of the Academic body / Administrative body / Committee**	**Name of the Faculty**	**Specific role of the faculty**	**Duration of hours spent in the last 3 years**

Centre for Career Guidance and Placements	Centre for Career Guidance and Placements	Vimal George Kurian	Director	400

Department of Commerce	Department of Commerce	Vimal George Kurian	Head of the Department(in charge)	500
Academic Council	Academic Council	Vimal George Kurian	Member	30
IQAC	Internal Quality Assurance Cell	Vimal George Kurian	Member	30
Research Committee	Research Committee	Vimal George Kurian	Member	50
SSP/WWS	SSP/WWS Monitoring Committe	Vimal George Kurian	Member	10
IIC	Industry Institute Interaction Cell	Vimal George Kurian	Member	10
Club	Western Music Club	Vimal George Kurian	Coordinator	30
NIRF	NIRF Committee	Ann Abraham	Nodal Officer	60
AISHE	AISHE committee	Ann Abraham	Nodal Officer	60
Internal Mentor of WWS	WWS	Ann Abraham	Internal Mentor	20
AISHE	AISHE committee	Minnie Mary Ninan	Nodal Officer	30
KSHEC	KSHEC Committee	Minnie Mary Ninan	Nodal Officer	30
NIRF	NIRF Committee	Minnie Mary Ninan	Member	20
Lea Hostel Committe	Hostel Committee	Minnie Mary Ninan	Member	15
Ella Hostel Committe	Hostel Committee	Minnie Mary Ninan	Member	15
Askwith Hostel Committee	Hostel Committee	Minnie Mary Ninan	Member	15

UGC Committee	UGC Committee	Minnie Mary Ninan	Convenor	10
CMS College Students Cooperative Society	CMS College Students Cooperative Society	Tilda Mary Daniel	Executive Board Member	20
Purchase Committee	College Purchase Committee	Tilda Mary Daniel	Member	15
PTA Committee	PTA Committee	Tilda Mary Daniel	Department Representative	10
CMS College Students Cooperative Society	CMS College Students Cooperative Society	Tilda Mary Daniel	Treasurer	15
Discipline Committee	Discipline Committee	Tilda Mary Daniel	Member	15
Admission Committee	PG Admission Committee	Tilda Mary Daniel	Admission Officer-in-Charge	50
CMS College Students Cooperative Society	CMS College Students Cooperative Society	Jisha Mary Mathew	Treasurer	340
CMS College Students Cooperative Society	CMS College Students Cooperative Society	Jisha Mary Mathew	Secretary	260
Election committee member	College union election	Jisha Mary Mathew	Member	10
Part time assistant coordinator	IGNOU Study centre, CMS	Jisha Mary Mathew	Assistant Coordinator	490
CMS College Students Cooperative Society	CMS College Students Cooperative Society	Jisha Mary Mathew	Treasurer	200
WWSCMS College	Walk With A Scholar Programme	Jisha Mary Mathew	Internal Mentor	20
Election committee member	College union election	Jisha Mary Mathew	Member	10
College Development Council	University college development council	Jisha Mary Mathew	Member	10
M.G university youth festival	Youth festival committee	Jisha Mary Mathew	Stage manager	48
UGC Committee	UGC Committee	Riju Varkey Thomas	Member	15
RUSA Committee	RUSA Committee	Riju Varkey Thomas	Member	15

Office of Superintendent of Examinations	Associate Chief Superintendent of Examinations	Riju Varkey Thomas	Associate Chief Superintendent of Examinations	200
B.Voc	B.Voc Program Nodal Officer	Riju Varkey Thomas	Nodal Officer	60
Club	ED Club	Riju Varkey Thomas	Coordinator	10
Total hours spent				**3148**

× 100

Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years

Formula:

Percentage = $\frac{Number\ of\ teachers\ participating\ in\ such\ activities}{Total\ number\ of\ teachers}$

Name of the activity/scheme	Organizing unit/ agency/ collaborating agency	Number of teachers participated in such activities
A Research Study to Further Gender Equality on Higher Education in India	Centre for Women Studies	1

10. Academic Support Units and Teaching-Learning-Evaluation Process

Academic Support Units for academic and stress related issues

Ratio of mentor to students for academic and stress related issues

2020-21 - 7:181

Department level student grievance addressing system

A student who has any grievance is free to approach the faulty advisor of the classand if the issues remain unresolved the student can approach the Head of the Department and further the Dean of Student Affairs

Teaching-Learning Process

Tutorial classes to address student questions

Classes are arranged between 9 to 10 each day for students to ask questions and clarify doubts.

Students are encouraged to ask their doubts and questions during lectures and atthe completion of a module/course. Revision classes are arranged at the end of the semester

Mentoring system to help at individual levels

1. Does the department assess the learning levels of the students, after admission and organizes special programs

for advanced learners and slow learners? – Details.

Problems of different difficulty levels are given to the students, depending on their skill and ability.

2. Does the department take special attention on the needs of differently abled students? – Details.

The department has a ramp for commutation of differently abled students.

Feedback analysis and reward/corrective measures taken, if any

Describe whether:

Structured feedback received from:

1) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents for design and review of syllabus - Semester wise /year wise

Feedback at the above-mentioned levels is undertaken by the college and informal feedbacks are taken by the individual faculty

Scope for self-learning

Do student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences? – details.

The department conducts a participative learning. By this students undertake peer learning exercises which is mutually beneficial.

Generation of self-learning facilities, availability of materials for learningbeyond syllabus

The college has adequate library and the department has internetfacilities and computer, for learning beyond syllabus

Students are encouraged to take MOOCs in Coursera

Career Guidance, Training, Placement, and Entrepreneurship Cell Describe the number of capability enhancement and development schemes

1. Guidance for competitive examinations
2. Career Counseling
3. Soft skill development
4. Induction/Remedial programmes
5. Language lab
6. Bridge courses
7. Personal Counseling

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Soft Skill Development - Feel Employable Programme	2018-19	55	CLHRD ,Mangalore
UG Induction Programme	2018-19	55	
PG Induction Programme	2018-19	18	

UG Induction Programme	2019-20	52	
PG Induction Programme	2019-20	13	
UG Induction Programme	2020-21	52	
PG Induction Programme	2020-21	17	
Remedial Programmes – Each One Teach one	2018-19	10	
Peer teaching	2019-20	17	

Indicate whether the department conducted tests at the beginning of each semester to identify weak/ potential students?

Indicate how the department took extra measures to identify, address and meet the special requirements of differently abled students.

Average percentage of students benefited by guidance for competitive examinations and career counseling offered by the department during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated by Career Counseling / competitive exams activities
2018-19	Career Counselling	15
2019-20	Three-day session on Paper I of UGC Net	15
	Career Counselling	15
	Resume Preparation	43
	Resume Building	9

2020-21	Moulding your career - I	54
	Moulding your career - II	54
	A talk on Career – A CMA Perspective	57
	A talk on Career Overseas	57
	Career Opportunities for the next generation of Acountants	57

Average percentage of students benefitted by Vocational Education andTraining (VET) during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated VET

Role of department in Co-curricular and Extra-curricular Activities of students

The Department has a student association. A faculty member will be in charge of the association. The association organizes events for both intra department and inter collegiate activities.

Role of department Games and Sports achievements of students

The Department has a good number of students who participate in sports. Extra remedial sessions are conducted to help these students and if they are not able to attend the examinations as they are on sports camps, the department conducts an additional Internal examination series for them.

Does the department have a system to check malpractices and plagiarism?

Provide upload the URL having code of ethics	Whether Departments have been provided access to plagiarism detecting software (Yes/No)	Mechanism for detecting plagiarism

11. Continuous improvements

Improvement in Success Index of Students

Improvement in Academic Performance Index of Students

Improvement in Student-Teacher Ratio

Enhancement of Faculty Qualification Index

Improvement in Faculty Research Publications, R&D Work and Consultancy Work

Continuing Education

New Facility Created

(List the new facilities created with their anticipated impact on the teaching –learning process)

Overall Improvements since last accreditation, if any, otherwise, since the commencement of the programme

12. Events in Department

Seminars/Conferences/Workshops conducted(National and International)

Number of national seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years

Name of the seminar / workshop / symposium / conference	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants

Number of Summer school programmes (minimum 30 hours) conducted bythe department during the last 3 years

Name of the Summer school programme	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants

Number of awards for innovation won by department during the last 3 years

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award	Category-department/ / research scholar/student

Academicians visited

Name and designation of the academician	Name of the Institute/ University of the academician	Country to which the academician belong	Name of the programme attended by the academician	Type of the programme attended by the academician	Beneficiaries of the programme	Funding agency of the programme
CA Balaji	Rangamani Associates, Chartered Accountan	India	Workshop on Block Chain Technology	Worksho p	II and IIIrd UG students	

	ts					
CMA Shibu Gopi	Member ICMAI	India	Workshop on GST	Workshop	UG & PG students	
Mr. Jasimudeen S	Librarian,St. Stephens College Uzhaoor	India	Webinar on Integrity in Academic Writing: Avoiding Plagiarism	Webinar	Research Scholars	
Dr. Devaprasad M	Assistant Professor, Humanities and Liberal Arts in Management, IIM Kozhikode	India	Intellectual Property Rights and Development of E-CONTENT	Webinar	UG & PG students	
Dr. Arun Abraham Elias	Associate Dean, Wellington School of business and Government, Victoria University of Wellington	New Zealand	International webinar on Systems Thinking: An introduction	Webinar	UG & PG students	

Dr.Rejitha	School of	India	Research	Review	Research	College

Kumar S	Management Studeis, CUSAT		Review committee		Scholars	
Dr. Bino Joy	Government College, Nattakom	India	Research Review committee	Review	Research Scholars	College
Dr. Antony Joseph	S.B College, Chaganassery	India	Research Review committee	Review	Research Scholars	College
Dr. Gireesh Kumar G S	Henry Baker Melakavu	India	Research Review committee	Review	Research Scholars	College
Dr Baby M.D	S.D Kanjirapally	India	Research Review committee	Review	Research Scholars	College
Dr. K Babu Joseph	V.C , CUSAT	India	DSAR Visit		Department Staff members	College
Prof. J Philip	Principal Founder, XIME	India	DSAR Visit		Department Staff members	College
Dr. Priti Dhavan	Lady Sri Ram College, New Delhi	India	DSAR Visit		Department Staff members	College

MoU's and Tie-ups

Number of Collaborative activities for research, faculty exchange,

studentexchange during the last 3 years

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Source of financial support	Duration	Nature of the activity

Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 3 years

Title of the linkage	Name of the partnering institution / industry /research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage	Name of the participant

Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 3 years (only functional MoUs with ongoing activities to be considered)

Organization with which MoU is signed	Year of signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs
CADD	2019	Yearly	Contact classes - 36	1 Teacher and 45 students
CADD	2019	Yearly	Contact classes - 36	1 Teacher and 55 students
CADD	2020	Yearly	Contact classes - 36	1 Teacher and 45 students
CADD	2020	Yearly	Contact classes - 36	1 Teacher and 55 students

Institutes, Scholarships, Endowments

12.3.1. Percentage of students benefited by scholarships, endowments and

freeships provided by the Stakeholders of the department (besides government schemes) during the last 3 years

Fund generated by the department (minor projects, major projects, workshops,symposia, travel grant, scholarship, and if any other)

Type of fund generated	Amount (Rs.)	Name of the Faculty that attracted the fund

Total number of employability training programmes conducted by the departmentduring the last 3 years and the total number of students attended the programme

Name of the employability training programme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Resume Preparation	2020-21	43	Career Guidance Centre
Resume Building	2020-21	9	Career Guidance Centre
Moulding your career - I	2020-21	9	Career Guidance Centre
Moulding your career - II	2020-21	9	Career Guidance Centre
A talk on Career – A CMA Perspective	2020-21	57	Department
A talk on Career Overseas	2020-21	57	Department
Career Opportunities for the next generation of Acountants	2020-21	57	Department

Total number of capacity enhancement schemes/ training programmes attended bythe teachers at other institutes

Name of the teacher	Name of the capacity enhancement scheme / training programme	Name of the institute attended	Duration of the scheme / programme
Dr.Vimal George Kurian	Refresher course in Commerce	UGC-HRDC , University of Kerala	14 days
Dr.Vimal George Kurian	Refresher course in Commerce	Swayam ARPIT online Course	
Ann Abraham	Refresher course in Commerce	UGC-HRDC , University of Goa	14 days
Ann Abraham	Refresher course in Commerce	Swayam ARPIT online Course	
Minnie Mary Ninan	Refresher course in Commerce	Swayam ARPIT online Course	
Minnie Mary Ninan	Refresher course in Commerce and Management	UGC-HRDC , University of Kerala	14 days

Tilda Mary Daniel	Refresher course in Commerce	Swayam ARPIT online Course	
Tilda Mary Daniel	Orientation course	UGC-HRDC, University of Hyderabad	28 days
Jisha Mary Mathew	Orientation course	UGC-HRDC, UNIVERSITY OF CALICUT	28 days
Jisha Mary Mathew	Refresher course in Development Studies	UGC-HRDC, UNIVERSITY OF CALICUT	14 days
Riju Varkey Thomas	Orientation course	Ramanujan College	28 days
Agna Mariyam Laji	Orientation course	Ramanujan College	28 days

Details of extension activities of regular nature organized by the department *

Name of the extension activity	Nature of extension activity	Duration	Involvement of Percentage of students in the department

*Related to the area of knowledge of the department

Details of activities organized by the department to promote universal values*

Name of the activity	Within the campus/ outreach	Duration	Involvement of Percentage of students in the department
Onam (2019, 2020)	Within the Campus	3 hours	100 percent
Christmas (2018,2019,2020)	Within the Campus	3 hours	100 percent

Total number of cultural activities/ competitions organized by the departmentduring the last 3 years

Sl. No.	Name of the activity	Interdepartmental / intercollegiate	Total number of students involved
1	Intra Department Business Quiz	Intradepartmental	180
2	GST Day	Intradepartmental	180
3	Marketing Game	Intradepartmental	180
4	Komerziyo 2K19	Intercollegiate	253
5	Association Day	Intradepartmental	
6.	Kairos	Intradepartmental	180
7.	Talento 2021	Intradepartmental	180
8.	Handmade and Homemade	Interdepartmental	180

9.	Income Tax Day	Intradepartmental	180
10	Aventura	Intradepartmental	180
11	Zerone	Intercollegiate	102
12	Gateway to Financial Freedom	Intercollegiate	50
13	Talk on Union Budget	Intradepartmental	180
14	Student Deliberations on Current Business Scenario	Intradepartmental	180

Alumni contribution during the last 3 years (Amount in Rupees)

Name of the alumnus/ alumni association	AADHAR / PAN	Year of graduation	Year of contribution	Quantum of contribution (Rs.)

13. SWOT Analysis

Identify Strength, Weakness, Opportunities and Threats of the Department

Strengths

- Excellent reputation of the department
- Well qualified & dedicated staff
- Good academic track record attracts good students
- Good support from management & parents
- External links with other institutions
- Practical exposure via internship for both UG and PG students.
- Active research centre
- Job oriented add on programmes
- Course curriculum developed in alignment with the current business environment
- Large number of students clearing professional

exams.Weaknesses

- Socio economic backwardness of students prevents the department fromoffering new generation professional courses.

Opportunities

- To enhance Industry academia collaboration.
- To initiate consultancy services.

Threat

- Mushrooming self-financing institutions

Good practices, if any

- Peer teaching

- Remedial Teaching
- Career Sessions by Illustrious Alumni
- Meet the Entrepreneur program
- 15day internship for UG students.
- Methodologies to increase the quality of teaching.
- Display of core values and duties & rights of citizens.
- Display of national identities and symbols to create consciousness aboutnational integrity.
- Organizing regional festivals to promote universal values.

DSAR SCORE CARD COMMERCE(AIDED)

CMS College Kottayam
Department Accreditation Score Card
Department of Commerce aided

Quantitative Matrices:

7. Programme curriculum

Metric No.			Weight	Cumulative Weight (Scored)	cumulative weight (Maximum)
7.5.1	Percentage of programs where syllabus revision was carried out during the last five years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{Numberofcoursesrevised}{Totalnumberofcoursesintheprogramme} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21 PG: MCom 1. 2018-19 2. 2019-20 3. 2020-21	$(\frac{14}{39}) \times 100 = 35.89$ $(\frac{0}{39}) \times 100 = 0$ $(\frac{0}{39}) \times 100 = 0$ $(\frac{0}{21}) \times 100 = 0$ $(\frac{0}{21}) \times 100 = 0$ $(\frac{0}{21}) \times 100 = 0$	10 0 0 0 0 0		20
	Average weight scored ***Documentary evidences:*** 1. *List of courses revised* 2. *Copy of approved curriculum* 3. *Minutes of the Board of Studies (2016 onwards)*		10	10/6 =1.66	20
7.8	Average percentage of theory courses				

	offered having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{Numberofcoursesofferedwithabovefocus}{Totalnumberofcoursesintheprogramme} \times 100$ UG: 4. 2018-19 5. 2019-20 6. 2020-21 PG: MCom 4. 2018-19 5. 2019-20 6. 2020-21	$\frac{(23}{39}) \times 100 = 59$ $\frac{(23}{39}) \times 100 = 59$ $\frac{(23}{39}) \times 100 = 59$ $\frac{(11}{21}) \times 100 = 52.3$ $\frac{(11}{21}) \times 100 = 52.3$ $\frac{(11}{21}) \times 100 = 52.3$	8 8 8 8 8 8		10
	Average weight scored ***Documentary evidences:*** *1. List of courses with the above focus* *2. Copy of approved curriculum* *3. Minutes of the Board of Studies (2016 onwards)*		48	(48 /6) = = 8 =8	10
7.9	New courses introduced: Add-on,/extra credit, Certificate/Diploma etc. for the period 2014-17: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{Numberofnewcoursesintroduced}{Totalnumberofcourses} \times 100$ 115 UG: 1. 2018-19 2. 2019-20	$\frac{(0}{39}) \times 100 = 0$ $\frac{(0}{39}) \times 100 = 0$ $\frac{(0}{39}) \times 100 = 0$	0 0 0		10

	3. 2020-21 PG: MCom 1. 2018-19 2. 2019-20 3. 2020-21	 $\frac{(0}{21}) \times 100 = 0$ $\frac{(0}{21}) \times 100 = 0$ $\frac{(0}{21}) \times 100 = 0$	0 0 0 0		
	Average weight scored ***Documentary evidences:*** *1. Copy of approved curriculum* *2. Minutes of the Board of Studies (2016 onwards)*		0	0	10
7.11	Average percentage of students enrolled in those courses during the years: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{Numberofstudentsenrolledinthecourse}{Totalnumberofstudentsinthedept} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21 PG: MCom 1. 2018-19 2. 2019-20 3. 2020-21	$\frac{(0}{158}) \times 100 = 0.0$ $\frac{(0}{154}) 100 = 0.0$ $\frac{(153}{153}) \times 100 = 100$ $\frac{(0}{46}) \times 100 = 0.0$ $\frac{(0}{42}) \times 100 = 0.0$ $\frac{(0}{37}) \times 100 = 0.0$	0 0 20 0 0 0		20

	Average weight scored ***Documentary evidences:*** *1. Brochure* *2. Copy of approved curriculum* *3. Minutes of the Board of Studies (2016 onwards)* *4. MoU, if any*		20	20/6=3.33	20
7.12	Average percentage of courses (theory/practical) offered as part of the UG/PG programme having focus on employability / entrepreneurship / skill development: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{Numberofcourseswithabovefocus}{Totalnumberofcoursesintheprogramme} \times 100$ UG: 4. 2018-19 5. 2019-20 6. 2020-21 PG: MCom 4. 2018-19 5. 2019-20 6. 2020-21	$\frac{(11}{39}) \times 100 = 28$ $\frac{(11}{39}) \times 100 = 28$ $\frac{(11}{39}) \times 100 = 28$ $\frac{(14}{21}) \times 100 = 67$ $\frac{(14}{21}) \times 100 = 67$ $\frac{(14}{21}) \times 100 = 67$	5 5 5 15 15 15		20
	Average weight scored ***Documentary evidences:*** *1. Copy of approved curriculum* *2. Minutes of the Board of Studies (2016 onwards)* *3. MoUs with relevant organizations*		60	60/6=10	20
7.13	Percentage of students undertaking field projects/internships during the years: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt	115			

	% of students = $\frac{Number\ of\ students\ undertaking\ field\ projects\ or\ internship}{Total\ number\ of\ students} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21 PG: MCom 1. 2018-19 2. 2019-20 3. 2020-21	$\frac{(0}{158}) \times 100 = 0$ $\frac{(0}{154}) \times 100 = 0$ $\frac{(0}{153}) \times 100 = 0$ $\frac{(0}{35}) \times 100 = 0$ $\frac{(0}{29}) \times 100 = 0$ $\frac{(0}{25}) \times 100 = 0$	0 0 4 4 4 4		10
	Average weight scored ***Documentary evidences:*** *1. MoUs with relevant organizations* *2. Copy of student internship certificates/ reports* *3. Correspondence with relevant organizations*		16	16/9=1.77	10
		Total	-	24.76	**90**

8. Result and Student Performance

Metric. No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
8.1	Success Rate of courses in UG and PG programmes Weightage distribution: 90% - 100% : 70 wt 80% - 89% : 63 wt 70% - 79% : 56 wt 60% - 69% : 49 wt 50% - 59% : 42 wt 40% - 49% : 35 wt 30% - 39% : 28 wt 20% - 29% : 21 wt 10% - 19% : 14 wt 1% - 9% : 7 wt <1% : 0 wt				70

	$\frac{No.\ of\ students\ who\ passed\ the\ course\ examination\ in\ a\ year}{No.\ of\ students\ appeared\ for\ the\ course\ examination\ in\ a\ year} \times 100$				
	2018-2019 **UG Programme (Courses offered)**				
	1. Applied CostAccounting CM16128	$(\frac{41}{50}) \times 100 = 82$	63		
	2. Practical Auditing CM16129	$(\frac{42}{50}) \times 100 = 84$	63		
	3. Accounting for Managerial Decisions CM16130	$(\frac{43}{50}) \times 100 = 86$	63		
	4. Project and Viva CM16134	$(\frac{49}{50}) \times 100 = 98$	70		
	5. Principles of Business Decisions	$(\frac{42}{50}) \times 100 = 84$	63		
	6. Income Tax - Assessment and Procedures CM16332	$(\frac{44}{50}) \times 100 = 88$	63		
	7. Cost Accounting CM15121	$(\frac{41}{50}) \times 100 = 82$	63		
	8. Special Accounting CM16122	$(\frac{40}{50}) \times 100 = 80$	63		
	9. Advertising and Sales Promotion CM15223	$(\frac{44}{50}) \times 100 = 88$	70		
	10. Income Tax Law and Practice	$(\frac{42}{50}) \times 100 = 84$	70		
	11. Agri based Micro enterprises BY15425	$(\frac{1}{1}) \times 100 = 100$	56		
	12. Fundamentals of Economics EC15413	$(\frac{28}{28}) \times 10 = 100$	70		
	13. English for CareersEN15421	$(\frac{5}{7}) \times 10 = 71.42$	70		
	14. PatrapravarthanamAdistana ThatwangalML15427	$(\frac{4}{4}) \times 100 = 100$	70		
	15. Applicable Mathematics MT15413	$(\frac{5}{5}) \times 100 = 100$	63		
	16. Physical Health and Life Skill Education	$(\frac{5}{5}) \times 100 = 100$	56		
	17. Captal Market CM14115		63		
	18. Corporate Accountng CM14116	$(\frac{43}{50}) \times 100 = 86$	63		
	19. Entrepreneurshp Development And Project Management CM14117	$(\frac{38}{50}) \times 100 = 76$	63		
	20. FinancalServces CM14118	$(\frac{44}{50}) \times 100 = 88$	70		
	21. Goods and Services CM14319	$(\frac{42}{50}) \times 100 = 84$			
	22. Reflections on Vital issues	$(\frac{41}{50}) \times 100 = 82$	70		
		$(\frac{45}{50}) \times 100 = 90$	70		
	2019-20	$(\frac{49}{52}) \times 100 = 98$	70		
	1. Cost Accounting 11CM 1716117	$(\frac{51}{52}) \times 100 = 98.07$	70		
	2. Advertisement And Sales Management CM1716118	$(\frac{52}{52}) \times 100 = 100$	70		
	3. Auditing And Assurance CM1716119	$(\frac{49}{52}) \times 100 = 98$	70		
	4. Management Accounting CM1716120	$(\frac{49}{52}) \times 100 = 98$	70		
	5. IncomeTax 11 CM1716304	$(\frac{52}{52}) \times 100 = 100$	70		
		$(\frac{2}{2}) \times 100 = 100$	49		
		$(\frac{1}{1}) \times 100 = 100$	70		
		$(\frac{21}{21}) \times 10 = 100$	63		
		$(\frac{2}{3}) \times 100 = 66.66$	70		

	6. Project and Viva CM1716801	$(\frac{1}{1}) \times 100 = 100$	70		
	7. Agri based Micro enterprises' BY1715401	$(\frac{8}{9}) \times 100 = 88.88$	70		
	8. Forensic Science CH1715401		70		
	9. Fundamentals of Economics EC1715401	$(\frac{6}{6}) \times 100 = 100$ $(\frac{3}{3}) \times 100 = 100$	70		
	10. Appreciating FlmesEN1715401	$(\frac{5}{5}) \times 100 = 100$	70		
	11. Nutrition for Wellness HS1715401	$(\frac{50}{52}) \times 100 = 96.15$	70		
	12. Social implications of Modern Revolutions	$(\frac{52}{52}) \times 100 = 100$			
	13. Applicable Mathematics MT1715401	$(\frac{49}{52}) \times 100 = 94.23$	70		
	14. Physical Health and Life Skill Education PE1715401	$(\frac{49}{52}) \times 100 = 94.23$ $(\frac{49}{52}) \times 100 = 94.23$	70		
	15. Vocational Zoology ZY1715401	$(\frac{49}{52}) \times 100 = 94.23$	70		
	16. Cost Accounting 1 CM1715114	$(\frac{49}{52}) \times 100 = 94.23$			
	17. Environment Management and Human rights CM1715115		70		
	18. Financial Management CM1715116	$(\frac{50}{52}) \times 100 = 96.15$ $(\frac{51}{52}) \times 100 = 98.07$	70		
	19. Income Tax 1CM1715303	$(\frac{51}{54}) \times 100 = 94.44$	70		
	20. Corporate Accounting CM1714111	$(\frac{52}{54}) \times 100 = 96.29$	70		
	21. Quantitative Techniques for Business 1 CM1714112	$(\frac{51}{54}) \times 100 = 94.44$ $(\frac{49}{54}) \times 100 = 90.74$	70		
	22. Entrepreneurship Development And Project Management CM1714113	$(\frac{51}{54}) \times 100 = 94.44$ $(\frac{51}{54}) \times 100 = 94.44$ $(\frac{52}{54}) \times 100 = 96.29$	70 70		
	23. Financial Services CM1714302	$(\frac{50}{54}) \times 100 = 92.15$	70		
	24. Revisiting the Classics EN1714508	$(\frac{51}{54}) \times 100 = 94.44$	70		
	25. Corporate Accounting 1CM1713107	$(\frac{53}{54}) \times 100 = 98.14$ $(\frac{53}{54}) \times 100 = 98.14$	70		
	26. Quantitative Techniques forBusiness 1 CM1713108	$(\frac{27}{29}) \times 100 = 93.10$	70		
	27. Financial Markets And Operations	$(\frac{25}{25}) \times 10 = 100$	70		
	28. Marketing Management CM1713110	$(\frac{51}{55}) \times 10 = 92$	70		

	29. Goods And ServicesCM1713301 30. Gems of imaginationEN1713506 31. Financial Accounting 11CM1712104 32. Business Regulatory FrameworkCM1712105 33. Business ManagementCM1712106 34. Principles of Business Decisions CM1712202 35. Issues That Matter EN1712503 36. Poetry Commercial Correspondence And Translations 37. AathmakadhavLekhanam 2020-21 1. Dimensions and Methodology of Business Studies CM1811101 2. Financial Accounting 1CM1811102 3. Corporate Regulations And Administration 4. Banking Theory and Practice CM1811201 5. Business Management CM1812104 6. Special Accounting CM1812105 7. Business Regulatory FrameworkCM1812106 8. Insurance And Risk ManagementCM1812202 9. Corporate Accounting CM1813107 115	$(\frac{42}{55}) \times 10 = 87$ $(\frac{50}{55}) \times 10 = 90$ $(\frac{51}{55}) \times 10 = 94$ $(\frac{53}{55}) \times 10 = 96$ $(\frac{48}{55}) \times 10 = 87$ $(\frac{49}{55}) \times 10 = 89$ $(\frac{55}{55}) \times 10 = 100$	70 70 70 63 70 70 70 63 63 70		
	Average weight scored		$(\frac{11160}{200})$ = 55.8	55.8	70

	Documentary evidences: *1. Semester wise result records from COE*				
8.2	Percentage of students qualifying state/ national/ international level examinations for the last 5 years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/ State government examinations/ other examination) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{Numberofstudentsqualifyingstate/national/internation}{Totalnumberofstudentsappearedfortheex} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21 PG 1. 2018-19 2. 2019-20 3. 2020-21	$(\frac{0}{158}) \times 100 = 0$ $(\frac{0}{154}) \times 100 = 0$ $(\frac{5}{153}) \times 100 = 3.2$ $(\frac{9}{35}) \times 100 = 25.71$ $(\frac{8}{29}) \times 100 = 27.58$ $(\frac{0}{28}) \times 100 = 0$	0 0 5 10 10 0		20
	Average weight scored ***Documentary evidences:*** *1. Year wise list of students qualifying each examination*		25	25/6= 4.16	20
8.3.1 & 8.3.3	Average % of placement of outgoing students during last 3 years (Weightage distribution: 75% - 100% : 40 wt 50% - 74% : 30 wt 25% - 49% : 20 wt 1% - 24% : 10 wt 115 $\frac{Numberofoutgoingstudentsplaced}{Totalnumberofoutgoingstudents} \times 100$ **UG:**	$(\frac{14}{52}) \times 100 = 26.92$ $(\frac{19}{51}) \times 100 = 37.25$	20 20		40

	1. 2018-19 outgoing batch (till now) 2. 2019-20 outgoing batch (till now) 3. 2020-21 outgoing batch (till now) **PG:** 1. 2018-19 outgoing batch (till now) 2. 2019-20 outgoing batch (till now) 3. 2020-21 outgoing batch (till now)	$(\frac{8}{51}) \times 100 = 15.68$ $(\frac{4}{18}) \times 100 = 22.22$ $(\frac{13}{15}) \times 100 = 86.66$ $(\frac{1}{15}) \times 100 = 6.66$	20 10 40 10		
	Average weight scored ***Documentary evidences:*** *Annual Report of Placement Cell*		$(\frac{120}{6}) = 20$	20	40
8.3.2 & 8.3.4	% of outgoing student progression to higher studies during last 3 years Weightage distribution: 75% - 100% : 30 wt 50% - 74% : 20 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{Numberofoutgoingstudentsprogressingto\ highereducatio}{Totalnumberoffinalyearstudentsintheprogramme} \times 100$ **UG:** 4. 2018-19 outgoing batch (till now) 5. 2019-20 outgoing batch (till now) 6. 2020-21 outgoing batch (till now) 115 **PG:** 4. 2018-19 outgoing batch (till now)	$(\frac{42}{52}) \times 100 = 82.35$ $(\frac{44}{51}) \times 100 = 86.27$ $(\frac{13}{51}) \times 100 = 25.49$ $(\frac{4}{18}) \times 100 = 22.22$ $(\frac{13}{15}) \times 100 = 86.66$ $(\frac{1}{15}) \times 100 = 6.66$	30 30 10 20 30 20 10 20		

	5. 2019-20 outgoing batch (till now) 6. 2020-21 outgoing batch (till now)				
	Average weight scored ***Documentary evidences:*** *Alumni data base (batch wise file of data containing student name, programme, year of study, contact details with email and phone number, present status (employment/higher studies).*		$\frac{(180}{10}$) = 18	18.0	30
8.4.1	Number of students participated in sports at state/national/ international level during the last 3 years 1. International : 10 wt per student 2. National : 5 wt per student *3.* State : 3 wt per student	$10 \cdot 0 = 0$ $5 \cdot 16 = 80$ $3 \cdot 1 = 3$	83		20
	Documentary evidences: *Participation certificates*		83	20	20
8.4.2	Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years 1. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 2. Intramural (1^{st} and 2^{nd} prices) : 5 wt per student	$10 \cdot 8 = 80$ $5 \cdot 0 = 0$	80		20
	Documentary evidences: *Award certificates*		80	20	20
8.4.3	Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 3 years 1. International : 10 wt per student 2. National : 5 wt per student 3. State : 3 wt per student	$10 \cdot 0 = 0$ $5 \cdot 5 = 25$ $3 \cdot 0 = 0$	25		20
	Documentary evidences: *Participation certificates* 115		25	20	20
8.4.4	Number of awards/ medals for outstanding performance in cultural events at intercollegiate / University / state/				

	national / international level (award for a team event should be counted as one) during the last 5 years 1. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 2. Intramural 1^{st} and 2^{nd} prices) : 5 wt per student	$10 \cdot 5 = 50$ $5 \cdot 0 = 0$	50		20
	Documentary evidences: *Award certificates*		50	20	20
8.4.5	Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{Numberofstudentsparticipatinginsuchactivities}{Totalnumberofstudents} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(\frac{17}{158}) \times 100 = 10.75$ $(\frac{93}{154}) \times 100 = 60.38$ $(\frac{0}{153}) \times 100 = 0$	5 15	0	20
	Average weight scored ***Documentary evidences:*** *1. Letter from the agency/Any other documents relating to the activity*		20	20	20
8.4.6	Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3 years Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt				

	$\frac{Number\ of\ students\ participating\ in\ such\ activities}{Total\ number\ of\ students} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(\frac{73}{158}) \times 100 = 46.20$ $(\frac{98}{154}) \times 100 = 63.63$ $(\frac{27}{153}) \times 100 = 17.64$	6 8 4	0	10
	Average weight scored ***Documentary evidences:*** *1. List from the concerned teacher in charge (programme officer, NCC Officer, etc.)*		18/3 =6	6	10
8.4.7	Total number of academic events organized with professional societies/ chapters Example: **Name of the student** / **Name of society/chapter** / **Academic event organized** **NA** **NA** **NA** 2 wt per event	$0 \cdot 2 = 0$	0		10
	Average weight scored ***Documentary evidences:*** *1. Brochures of the events* *2. Photographs of the events* *3. Reports of the events*		0	0	10
8.4.8	(a) Organization of paper contests/design contests/ exhibition, etc. during the last 3 years by department organization 2 wt per one event –Maximum wt 10.	$0 \cdot 2 = 0$	0		
	Average weight scored ***Documentary evidences:*** *1. Brochures* *2. Photographs*		0/3=0	0	10
8.4.9	Total number of UG/PG/PhD student publications in UGC approved research journals 5 wt per publication (Maximum 20 wt) 1. 2018-19 2. 2019-20 3. 2020-21 115	$0 \cdot 5 = 0$ $0 \cdot 5 = 0$ $0 \cdot 5 = 0$	0		20

	Average weight scored ***Documentary evidences:*** *Copies of publications*		$\frac{(0}{3}) = 0$	0	20
8.4.10	(a) Total number of entrepreneurship initiatives during the last 3 years 5 wt per initiative 1. 2018-19 2. 2019-20 3. 2020-21	$0 \cdot 5 = 0$ $0 \cdot 5 = 0$ $0 \cdot 5 = 0$			20
	Weight scored ***Documentary Evidences:*** *Report and photographs of each initiatives*		$\frac{(0}{3}) = 0$	0	20
	Total number of product designs and innovations 5 wt per product or innovation 1. 2018-19 2. 2019-20 3. 2020-21	$0 \cdot 5 = 0$ $0 \cdot 5 = 0$ $0 \cdot 5 = 0$		15	30
	Weight scored ***Documentary Evidences:*** *Project report with working model*		0/3 = 0	0	30
8.4.11	Average number of awards in inter – institute events/ intercollegiate fest/exhibition/ paper contests/design contests, etc. for students (1^{st}, 2^{nd}, 3^{rd} prices) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{Numberofstudentsachievedinsuchcontests}{Totalnumberofstudentsinthedept} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$\frac{(0}{193}) \times 1 = 0$ $\frac{(0}{183}) \times 1 = 0$ $\frac{(0}{181}) \times 1 = 0$	0 0 0		10
	Average weight scored ***Documentary evidences:***		$\frac{(0}{3}) = 0$	0	10.0

	Certificates of achievement				
		Total		163.16	370

9. Faculty contributions

Metric No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
9.3.1	(a) Percentage of full time teachers with Ph.D. Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{No.\ of\ teachers\ in\ the\ department\ registered\ for\ Ph.D.}{Total\ No.\ of\ teachers\ in\ the\ department} \times 100$	$(\frac{4}{7}) \times 100 = 57.14$	15		20
	Average weight scored ***Documentary evidences:*** *1. Copy of Ph.D. certificate*		15	15	20
	(b) Percentage of full time teachers registered for Ph.D. after appointment (during the last 3 years) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{No.\ of\ teachers\ in\ the\ department\ awarded\ Ph.D.}{Total\ No.\ of\ teachers\ in\ the\ department} \times 100$	$(\frac{2}{7}) \times 100 = 29$	6	6	10
	Average weight scored ***Documentary evidences:*** *1. Copy of registration certificate (valid for five years from the date of registration)*		6	6	10

9.3.2.	Number of teachers awarded university/state/national/international fellowship (post-doctoral) for advanced studies/research during the last 3 years International: 8 wt National : 6 wt State : 4 wt University : 2 wt 1. 2018-19 2. 2019-20 3. 2020-21	1 x 6 = 6 0 0	6		20
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		6/3	2	20.0
9.3.3	Percentage of teachers recognized as research guides Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{Total number of teachers recognized as research guides}{Total number of teachers with Ph.D.} \times 100$	$(\frac{1}{7}) \times 100 = 14$	5		20
	Average weight scored ***Documentary evidences:*** *Copy of university order*		5	5	20
9.6	Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years Weightage distribution: 1. 3 Ph.D.s awarded per teacher : 20 wt 2. 2 Ph.D.s awarded per teacher : 15 wt 3. 1 Ph.D. awarded per teacher : 10 wt $\frac{Total number of Ph.D. degrees awarded during last\ 3\ years}{Total number of teachers as recognized guides}$	0/1 =0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order of award of Ph.D. degree*		0	0	20
9.7	Average percentage of teachers using ICT for effective teaching with Learning				

	Management Systems (LMS), E-learning resources, virtual lab etc. Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{Numberofteachersinthedepartmentusing ICT}{Totalnumberofteachersinthedepartment} \times 100$	$(\frac{8}{8}) \times 100 = 100$	10		10
	Average weight scored ***Documentary evidences:*** *1. List of teachers* *2. ICT resources prepared by each teacher in CD format/uploaded in the College website*		10	10	10
9.8	Faculty as participants/ resource persons in faculty professional development/ training Activities/ seminars/ workshops/ symposia/ conferences (national & international) International: 1. No. of faculties >10 : 10 wt 2. No. of faculties 5-10 : 5 wt 3. No. of faculties 1-5 : 2 wt National: 1. No. of faculties >10 : 5 wt 2. No. of faculties 5-10 : 3 wt 3. No. of faculties 1-5 : 1 wt	6 35	5 5		10
	Average weight scored ***Documentary evidences:*** *1. List of teachers* *2. Certificates of participation*		10	10	10.0
9.10.1	Number of research papers per teacher in the Journals notified on UGC website during the last 3 years Weightage distribution: 1. > 5 papers per teacher : 20 wt 2. 3-4 papers per teacher : 15 wt 3. 2 papers per teacher : 10 wt 4. 1 paper per teacher : 5 wt $\frac{Totalnumberofpublicationsinthelast\ 3\ years}{Totalnumberofteacherswhopublished}$	$(\frac{8}{4}) = 2$	10		20
	Average weight scored ***Documentary evidences:*** 115 *Copy of the papers*		10	10	20
9.10.2	Number of books and chapters in edited volumes / books published (ISSN), and				

	papers in national/international conference-proceedings (ISSN) per teacher during the last 5 years Weightage distribution: 1. 20 wt per book 2. 10 wt per book chapter 3. 4 wt per papers in national/ international conference - proceedings	20 · 1 = 20 10 · 0 = 0 4 · 0 = 0	20 0 0		20
	Average weight scored ***Documentary evidences:*** *Copy of the books and chapters in edited volumes / books published, and papers in national/international conference-proceedings*		20	20	20
9.10.3	Sum of the bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index Weightage distribution: 1. Citation index > 10 : 30 wt 2. Citation index 7.0-9.9 : 20 wt 3. Citation index 4.0-6.9 : 10 wt 4. Citation index 1.0-3.9 : 5 wt 5. Citation index 0.1-1 : 2 wt	3	5		30
	Average weight scored ***Documentary evidences:*** *Proof of citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index*		5	5	30
9.11.1	Number of Patents published/awarded Weightage distribution: 10 wt per patent	0 · 10 = 10	0		20
	Average weight scored ***Documentary evidences:*** *Copy of patent published/awarded*		0	0	20
9.12.1 & 9.12.3	Major Research projects sponsored by government sources such as UGC, DST, DBT, KSCSTE, etc. and non-government sources such as industry, corporate houses, international bodies, endowments etc. (completed) Weightage distribution: 115 10 wt per MRP completed.	10 · 0 = 0	0		20
	Average weight scored ***Documentary evidences:***		0	0	20

	Copy of sanction letter/order				
9.12.2	Minor Research projects sponsored by government sources such as UGC (Amount in Rupees) (Completed) Weightage distribution: 5 wt per project completed	$5 \cdot 0 = 0$	0		15
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	15
9.12.4	Revenue generated from Consultancy Weightage distribution: 5 wt per consultancy	$5 \cdot 0 = 0$	0		15
	Average weight scored ***Documentary evidences:*** 1. *Copy of MoU* 2. *Copy of bank account statements*		0	0	15
9.12.5	Revenue generated from corporate training by the department during the previous year Weightage distribution: 5 wt per training programme	$5 \cdot 0 = 0$	0		10
	Average weight scored ***Documentary evidences:*** *Copy of bank account statements*		0	0	10
9.13	Number of awards for innovation won by teachers Weightage distribution: 5 wt per award	$5 \cdot 0 = 0$	0		10
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	10
9.14	Faculty interaction with International Collaborations Weightage distribution: 10 wt per collaboration	$10 \cdot 1 = 10$	10		20
	Average weight scored ***Documentary evidences:*** *Copy of MoU*		10	10	20
9.15.1	Membership in academic bodies in Universities / other colleges 115 Weightage distribution: 5 wt per membership	$5 \cdot 5 = 25$	25		10

	Average weight scored ***Documentary evidences:*** *Copy of membership approval letter/email/order*		25	10	10
9.16	Reviewer/Editors of International and national journals/Books (ISSN) Weightage distribution: International: 1. 5 wt per editorship 2. 2 wt per reviewership National: 1. 3 wt per editorship 2. 1 wt per reviewership	$5 \cdot 0 = 0$ $2 \cdot 0 = 0$ $3 \cdot 0 = 0$ $1 \cdot 0 = 0$	0 0 0 0		10
	Average weight scored ***Documentary evidences:*** *Copy of invitation letter/email/order from the journal to become reviewer/editor*		0	0	10
9.17	Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 3 years Average hours spent by each faculty: $(\frac{Total\ hours spent by all the faculties in any year}{Total number of faculties})$ 1. Greater than 200 hrs : 20 wt 2. 100 to 200 hrs : 15 wt 3. 50 to 100 hrs : 10 wt 4. 10 to 50 hrs : 5 wt 5. 1 to 10 hrs : 2 wt 6. 0 hrs : 0 wt	3148/7 = 449	20		20
	Average weight scored ***Documentary evidences:*** 1. *List of faculties involved* 2. *Copy of relevant certificates/ orders/other documents duly signed by the Principal*		20	20	20
9.18	Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender 115				

	Issue, etc. during the last 5 years Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{Numberofteachersparticipatinginsuchactivities}{Totalnumberofteachers} \times 100$	$(\frac{1}{7}) \times 100 = 14.28$	4		10
	Average weight scored ***Documentary evidences:*** *Copy of relevant certificates/orders/other documents duly signed by the Principal*		4	4	10
		Total		137	340

10. Academic Support Units and Teaching-Learning-Evaluation Process

Metric No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
10.1.1.	Ratio of mentor to students for academic and stress related issues 115 (Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt				

	25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{Numberofmentors}{Totalnumberofteachersinthedepartment} \times 100$	$(\frac{7}{7}) \times 100 = 100$	20		20
	Average weight scored ***Documentary evidences:*** 1. *List of students under each mentor* 2. *Documentary evidences on mentor:mentee interactions*		20	20	20
10.1.2	Indicate whether the department has an effective student grievance addressing system or not. 1. Yes – 10 wt 2. No – 0 wt	Yes	10		10
	Average weight scored ***Documentary evidences:*** 1. *List of students registered complaints* 2. *Copies of action taken reports*		10	10	10
10.2.1	Tutorial classes to address student questions Average no. of tutorial classes conducted per teacher in an year: 1. 16 – 20 classes : 10 wt 2. 11 – 15 classes : 8 wt 3. 6 – 10 classes : 6 wt 4. 3 – 5 classes : 4 wt 5. 1 – 2 classes : 2 wt $\frac{Totalnumberoftutorialclassesconducted}{Totalnumberofteachersconductedtutorialclasses}$	0	0		10
	Average weight scored ***Documentary evidences:*** 1. *Attendance register of students*		0	0	10
10.2.6	Describe the number of capability enhancement and development programmes Weightage distribution: 2 wt per programme	$2 \cdot 9 = 18$	18		10
	Average weight scored 115 ***Documentary evidences:*** 1. *Brochures of the programmes* 2. *Attendance register of students*		18	10	10

10.2.6.3	Average percentage of students participated for competitive examinations and career counseling offered by the department/college during the last five years (e.g. feel employable programme) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{Numberofstudentsbenefited}{Totalnumberofstudents} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(\frac{15}{193}) \times 100 = 7.77$ $(\frac{30}{183}) \times 100 = 16.39$ $(\frac{124}{181}) \times 100 = 68.50$	5 5 15		20
	Average weight scored ***Documentary evidences:*** *1. Brochures of the programmes* *2. Attendance register of students*		(25/3) = 8.33	8.33	20
10.2.9	Does the department have a system to check malpractices and plagiarism 1. Yes – 10 wt 2. No – 0 wt	No	0		10
	Average weight scored ***Documentary evidences:*** *1. Web-link of the plagiarism detection software* *2. Action taken report*		0	0	10
		Total		48.33	80

12.Events in Departments

Metric No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
12.1.1	Average number of national/international seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years Weightage distribution: International: 1. 2 – 4 programmes: 20 wt 2. 1 – 2 programmes: 10 wt National: 1. 2 – 4 programmes: 10 wt 2. 1 – 2 programmes: 5 wt 1. 2018-19 2. 2012-20 3. 2020-21	 0 0 0	 0		20
	Average weight scored ***Documentary evidences:*** *1. Brochure of the programme* *2. Photos of the programmes* *3. Reports of the programme* *4. Copy of publication of proceedings*		$\frac{0}{3} = 0$	0	20
12.1.2	Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 5 years Weightage distribution: 10 wt per summer school programme	$10 \cdot 0 = 0$			10
	Average weight scored 115 ***Documentary evidences:*** *1. Brochure of the programme* *2. Photos of the programme*		0	0	10

	3. *Reports of the programme*				
12.1.3	Average number of awards for innovation won by department during the last 3 years Weightage distribution: 5 wt per award	$5 \cdot 0 = 0$			10
	Average weight scored ***Documentary evidences:*** *Copy of award certificate*		0	0	10
12.1.4	Average number of academicians visited for talks or lectures Weightage distribution: 2 wt per programme	$2 \cdot 13 = 26$			10
	Average weight scored ***Documentary evidences:*** 1. *Brochure of the programme* 2. *Photos of the programme* 3. *Reports of the programme*		26	10	10
12.2.1	Number of Collaborative activities for research, faculty exchange, student exchange during the last 5 years (other than faculty collaborations) Weightage distribution: 10 wt per collaboration	$10 \cdot 0 = 10$			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such programmes*		0	0	20
12.2.2	Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 5 years Weightage distribution: 5 wt per MoU	$5 \cdot 0 = 0$			10
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such linkage programmes*		0	0	10
12.2.3	Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 5 years (only functional MoUs with ongoing activities to be considered Weightage distribution: 5 wt per MoU				

		$5 \cdot 4 = 20$			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's*		20	20	20
12.3.1	Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government, department scholarships) during the last 5 years (Weightage distribution: 30% - 40% : 20 wt 20% - 29% : 15 wt 10% - 19% : 10 wt 1% - 9% : 5 wt $\frac{Numberofstudentsbenefited}{Totalnumberofstudents} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$\frac{(15}{193}) \times 10 = 0$ $\frac{(0}{183}) \times 100 = 0$ $\frac{(0}{181}) \times 100 = 0$	0 0 0	0	20
	Average weight scored ***Documentary evidences:*** *Agreement of the Scheme with the Stakeholders*		0	0	20
12.4	Fund generated by the department (e.g. SARD scheme of KSCSTE) Weightage distribution: 10 wt per project	$10 \cdot 0 = 0$			20
	Average weight scored ***Documentary evidences:*** 1. *Sanction/concurrence letters/orders* 2. *Bank account statements* 3. *Cash Register*		0	0	20
12.5	Total number of employability training programmes conducted by the department during the last 3 years and the total number of students attended the programme Weightage distribution: 115 5 wt per programme	$5 \cdot 7 = 35$			10
	Average weight scored		35/3 =	10	10

	Documentary evidences: *1. Brochures* *2. List of students programmewise*		11.66		
12.6	Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes Weightage distribution: 2 wt per programme	$2 \cdot 12 = 24$			10
	Average weight scored ***Documentary evidences:*** *Copy of participation certificates*		24/7 = 3.42	3.42	10
12.7	Details of extension activities of regular nature organized by the department in adopted villages Weightage distribution: 5 wt per programme	$5 \cdot 0 = 0$			20
	Average weight scored ***Documentary evidences:*** *1. Brochures of the programme* *2. Photos of the programme* *3. Reports of the programme*		0	0	20
12.8	Details of activities organized by the department to promote universal values Weightage distribution: 2 wt per programme	$2 \cdot 2 = 4$			10
	Average weight scored ***Documentary evidences:*** *1. Brochures of the programme* *2. Photos of the programme* *3. Reports of the programme*		4	4	10
12.9	Total number of cultural activities/ competitions organized by the department during the last 3 years Weightage distribution: 2 wt per activity	$2 \cdot 14 = 28$			10
	Average weight scored ***Documentary evidences:*** *1. Brochures of the programme* *2. Photos of the programme* *3. Reports of the programme*		28	10	10
12.10	Alumni contribution during the last 3				

	years (Amount in Rupees) Amount: 1. > 5 Lakhs : 20 wt 2. 1-5 Lakhs : 10 wt 3. 0.5 – <1 Lakh : 5 wt 4. < 0.5 Lakhs : 1 wt	0	0	0	30
	Average weight scored ***Documentary evidences:*** *1. Copy of cheques, DD's etc. obtained from Alumni* *2. Bank account statements* *3. Cash register*		0	0	30
		Total		57.42	230

Feedback

10.2.3	Feedback received from: 1) Students – 3 wt 2) Teachers – 3 wt 3) Employers – 3 wt 4) Alumni – 3 wt 5) Parents – 3 wt for design and review of syllabus - Semester wise /year wise.	0 0 0 0 0	0		15
	Average weight scored ***Documentary evidences:*** *1. Feedback reports* *2. List of corrective measures taken*		0	0	15
		Total		0	15

Qualitative Matrices:

Part – C

5. **Vision, Mission and Programme Outcomes**
6. **Programme Specific Outcomes with global relevance for developmental needs**
7. **Programme Curriculum**

7.1. Curriculum

7.2. Components of Curriculum and their relevance to PSOs and POs

7.3. Core subjects and their relevance to Program outcomes

7.4. Course Syllabus

7.5. Measures and processes used to identify the curricular gaps to the attainment of the COs/PSOs with global relevance for developmental needs.

7.6. Vertical mobility of programmes

7.7. content beyond syllabus imparted for the attainment of the COs/PSOs

9. Faculty Contributions

9.4. Faculty competencies in correlation to Programme Specific Criteria

9.5. Academic Calendar and Teaching plans

11. Continuous improvements

11.1. Improvement in Success Index of Students

11.2. Improvement in Academic Performance Index of Students

11.3. Improvement in Student-Teacher Ratio

11.4. Enhancement of Faculty Qualification Index

11.5. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

11.6. Continuing Education

11.7. New Facility Created

13. SWOT analysis

14. Student Perception

15. Any other relevant points included by the peer team

Score Calculation:

Maximum total weight of Qn. Matrices = 1125 (75% of the maximum total weight)
Maximum total weight of Ql. Matrices = 375 (25% of the maximum total weight)
Maximum total weight = 1125 + 375 = 1500

$$MaximumCGPA = 4.0$$

Scored weight of Qn. Matrices = 430.67
Scored weight of Qn. Matrices = Y
Scored total weight = Scored weight of Qn. Matrices + Scored weight of Qn. Matrices
= 430.67 + Y
=

$$ObtainedCGPA = \left(\frac{Scoredtotalweight}{1500}\right) \times 4$$

$$= \left(\frac{}{1500}\right) \times 4$$

$$ObtainedCGPA =$$

Range of Departmental Cumulative Grade Point Average (CGPA)	Grade
3.51 – 4.00	A++
3.26 – 3.50	A+
3.01 – 3.25	A
2.76 – 3.00	B++
2.51 – 2.75	B+
2.01 – 2.50	B
1.51 – 2.00	C

115

δ 1.50	D

CMS COLLEGE (AUTONOMOUS) KOTTAYAM

DEPARTMENT SELF – ASSESSMENT REPORT (DSAR) MANUAL

DEPARTMENT OF COMMERCE (SF)

October 2021

DEPARTMENTSELF – ASSESSMENTREPORT (DSAR) MANUAL

The Department Self Assessment Report (DSAR) is intended to shed light into the current status of the department in terms of its Strength, Weakness, Opportunities and Threats. As such, the department is expected to provide accurate data and observations that reflect the true and real status of the department. The data that will be collected from the department would fall into three parts.

- **Part A** : Basic data of the department (will not be used for assessment)
- **Part B** : Data about infrastructure, governance, financial status (will not be used for assessment)
- **Part C** :Data collected in this part will be used for assessment and accreditation.

The department should provide data for the academic years 2018-19, 2019-20, 2020-21 (past 3 years) separately under each relevant question and for each UG and PG programmes offered.

The department need not supply the supporting documents while submitting the DSAR, but should keep them in original for peer team assessment. After the assessment, softcopies/scanned copies of supporting documentsmust be sent to dsar@cmscollege.ac.in within a week of assessment.

For queries, please e-mail to dsar@cmscollege.ac.in.

PART A

23. Departmental Information

23.1. ..... Name and address of the department: **Department of Commerce (Self Financing) CMS College (Autonomous), Kottayam**

23.2. ..... Name, designation, telephone number, and e-mail address of the head/contact person: **Dr Samkutty George, Head of the Department, 9447598787, samkutty@cmscollege.ac.in**

23.3. ..... History of the department including dates of introduction and number of seats ofvarious programmes of study:

The Department of Commerce (Self Financing) offers B.Com Finance and Taxation (Model 1). The first batch commenced on August 16th 2013 and B.Com Marketing (Model 1) batch commenced on August 2015.

Year	Programs of Study	Number of Seats
2018	B.Com Finance and Taxation - A	51
	B.Com Finance and Taxation - B	43
2019	B.Com Finance and Taxation - A	48
	B.Com Finance and Taxation - B	45
2020	B.Com Finance and Taxation - A	50

	B.Com Finance and Taxation - B	**45**

23.4. ..... Mission and Vision of the department:

Department Vision

The department of commerce shall be the Centre of excellence for moulding dynamic, devoted and dedicated future leaders with academic excellence and integrity of character

Department Mission

The Department endeavors to:

- Impart quality education to nurture and mature the talents of the students in achieving excellence in all walks of life.
- Inculcate ethical and social values among the students to befit themselves to play pivotal roles in the society.
- Promulgate financial, marketing, entrepreneurship, human resource skills, enabling students to be creative and motivated personnel in various enterprises.
- Create future professionals with a humane touch in the fields of Finance, HR and Marketing.

(Instruction: The department is required to specify its Mission and Vision).

23.5. ..... List of the programmes/ departments which share human resources and/or the facilities of this department/ programme (in %).

The students of the department use the computer facilities and libraries at the main computer Centre

(Instruction: Institutes needs to mention the different programs which share the human resources and facilities with the department/ programme being accredited.)

23.6. ..... Total number of students:

23.7. ..... Total number from other states and countries:

Year	Programs of Study 115	Number From Other States	Number From Other Countries
2018	**B.Com Finance and Taxation-A**	**3**	**0**
	B.Com Finance and Taxation-B	**0**	**0**

2019	B.Com Finance and Taxation-A	1	0
	B.Com Finance and Taxation-B	0	0
2020	B.Com Finance and Taxation-A	0	0
	B.Com Finance and Taxation-B	0	0

23.8. ..... Total number of differently abled students:

Year	Programs of Study	Number Of Differently Abled Students
2018	B.Com Finance and Taxation-A	Nil
	B.Com Finance and Taxation-B	01
2019	B.Com Finance and Taxation-A	Nil
	B.Com Finance and Taxation-B	Nil
2020	B.Com Finance and Taxation-A	Nil
	B.Com Finance and Taxation-B	01

23.9. ..... Minimum and maximum number of staff on roll in college, during the current and five previous academic years in the department:

Minimum and maximum number of staff on roll in college					
	2016	2017	2018	2019	2020
	8	9	9	10	10

(A tabular format may be used)

23.10. ..... Details of full time teachers against sanctioned posts

Since this department is Self-Financing, all faculties are serving on contract basis.

(Position sanction letters verified by DCF of AISHE or the concerned authority, Soft copy of appointment letters of faculties during 3 years, Pan No. of faculties)

23.11. Full time teachers from other states against sanctioned posts: nil(Softcopy of supporting document)

23.12. Faculty experience

Name of the Full-time teacher	PAN	Designation	Year of appointment	Total years of Experience as on 31/10/2021	Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution
Dr.Samkutty George	ACQPG8726K	HOD & Associate Professor	2015	26+ 10 Years in CMS	Yes
Dr. K K John	ADTPK1980E	Associate Professor	2015	26+5 Year in CMS	Yes
Elsa Daniel	FDZPD4681P	Assistant Professor	2014	6	Yes
Vishnu Prakash	DGUPP7787L	Assistant Professor	2016	4	Yes
Saino Anish	COCPA1739J	Assistant Professor	2017	4	Yes
Neema Sara John	BARPJ5781P	Assistant Professor	2017	3	Yes
Solomon Paily	DPIPP4430M	Assistant Professor	2017	3	Yes
Parvathy B	EOHPB9076J	Assistant Professor	2019	1	Yes
Sarina Thomas	BHAPT4064P	Assistant Professor	2020	**0**	Yes
Sajeev Joseph	ACKPJ3092P	Associate Professor	2018	30 + 2 Year in CMS	Yes

23.13. Total number of differently abled teachers: NIL

23.14. Percentage of full time teachers with Ph.D.

Percentage = 20%

$$\frac{\text{Number of full time teachers in the department with Ph. D.}}{\text{Total number of full time teachers}} \times 100$$

Name of full time teacher with PhD	Number of full time teachers with PhD	Total number of full time teachers
Dr. Samkutty George	2	10
Dr K K John		

23.15. Is the department an approved research centre by University / National / International bodies?: No

(Yes/No; provide order number with year and name of affiliating University)

23.16. Summary of budget for the Previous Financial Year (PFY) and the actual expenditure incurred in the PFY. Nil

23.17. Summary of budget for the Current Financial Year (CFY). Nil

PART B

24. Facilities and Technical Support

24.1. ..... Class rooms in the Department

24.1.1. ..... Adequate number of rooms for lectures (core/electives), seminars, tutorials, etc.for the program

(Provide a description with the number of existing rooms and lack of them, if any)

Purpose of the class rooms	No. of existing classrooms	No. of class rooms required
lectures	6	0
Seminars	0	0
Tutorials	0	0
Total number of classrooms required		**0**

24.1.2. ..... Teaching aids – multimedia projectors, etc.

(Provide a description with the number of existing classrooms with such facilities and lack of thereof, if any)

Type of facility	No. of existing classrooms with the facility	No. of class rooms with the facility required
Multimedia projector	**3**	**0**
Screen	**0**	**0**
Smart boards	**0**	**6**
Wireless microphone	**0**	**6**
Speaker	**1**	**0**
Computer	**1**	**0**

UPS	**1**	**0**
Server	**0**	**0**
Document camera	**0**	**1**
Educational softwares	**0**	**0**
WIFI/LAN facilities	**1**	**0**
Total number of classrooms with teaching aids required		**0**

24.1.3. ..... Acoustics, class room size, conditions of chairs/benches, air circulation, lighting, exits, ambiance, and such other amenities/facilities

Six class rooms with 580 square feet size each and adequately ventilated with good air circulation and lighting. Adequate number of fans in all class rooms and all class rooms were connected with UPS current backup.

(Provide a description of the facilities and amenities classroom wise)

24.1.4. Seminar halls with ICT facilities

Type of facility	No. of existing seminar halls with the facility	No. of seminar halls with the facility required
Multimedia projector	**0**	**3**
Screen	**0**	**6**
Smart boards	**0**	**0**
Wireless microphone	**0**	**0**
Speaker	**0**	**0**
Computer	**0**	**0**
UPS	**0**	**0**
Server	**0**	**0**
Document camera	**0**	**0**

Educational softwares	0	0
WIFI/LAN facilities	0	0
Total number of seminar halls with ICT facilities required		1

24.2. ..... Faculty Rooms in the Department

24.2.1. ..... Availability of individual faculty rooms

A common faculty room with 270 square feet and separate room for Head of the Department with 150 square feet are available.

(Provide a description)

24.2.2. ..... Room equipped with white/black board, computer, Internet connectivity, adequate number of plug points, UPS connectivity and such other amenities/facilities

Six class rooms having white board, adequate plug points with UPS Connectivity. Computer and internet facilities are not available in classrooms.

(Provide a description with number of facilities and lack of thereof, if any)

24.2.3. ..... Usage of room for discussion/counseling with students: 1

24.3. ..... Laboratories in the Department to meet the Curriculum Requirements and the PSOs

24.3.1. ..... Adequate, well-equipped laboratories to meet the curriculum requirements and the PSOs: Nil

(Provide a description with the number of laboratories and lack of thereof, if any)

24.3.2. ..... Adequate, well-equipped laboratories to conduct research projects: Nil

(Provide a description with the number of laboratories and lack of thereof, if any)

24.3.3. ..... Equipments to run experiments and their maintenance, Number of students per experimental set up, Size of the laboratories, overall ambience etc.

(Provide both quantitative and qualitative information)

Name of the equipment	Number of students per equipment/experiment	Size of the laboratories

24.3.4. ..... Availability of computing facilities in the department

Number of computer labs	Number of computers (Desktop)	Number of Laptop	Number of UPS	Number of servers	Internet connectivity (yes/no) Speed (mb/ps)	Access to e-resources (yes/no)	Student : Computer ratio
	1	2	1	0	1	Yes	

(Provide a description with the number of computers and related facilities, adequate space for laboratory etc. and lack of thereof, if any)

24.3.5. ..... Availability of laboratories with technical support within and beyond working hours No laboratory facilities required

(Provide a description of the type and extent of technical support lent to the laboratories, number of such laboratories, number of technicians assigned to each laboratory and lack of thereof, if any)

24.4. ..... Technical Manpower Support in the Department No Technical staff required

24.4.1. ..... Availability of adequate and qualified technical supporting staff for program specific laboratories and lack of thereof, if any. Not required

24.4.2. ..... Incentives, skill-up gradation and professional advancement.

25. Infrastructure, Governance, Institutional Support and Financial Resources

25.1. ..... Campus infrastructure and facility

25.1.1. ..... Maintenance of academic infrastructure and facilities

2 Almarah purchased for library (2019-20)

Public address system is installed

(Provide a description of the current situation and a history over the last 3 years)

25.1.2. ..... Hostel (boys and girls), transportation facility, and canteen

Students are using the college hostel and canteen

(Provide a description of the current situation with the number of students obtained hostel, transportation and canteen facilities and a history over the last 3 years)

25.1.3. ..... Electricity, power back up, telecom facility, drinking water, and security:

Uninterrupted power supply backup is provided in all class rooms.

2 Water Coolers installed,

(Provide a description of the current situation and a history over the last 3 years)

25.2. ..... Organization, Governance and Transparency

25.2.1. ..... Governing body, administrative setup, and functions of various bodies and cells:

Department council is functioning with all faculties as members to discuss the routine academic and administrative matters within the department, Elected Parent Teachers Association (PTA) by ensuring representation of boys and girls of all classes were convening meeting on regular basis to discuss student related matters.

(Provide information about the department level bodies and committees)

25.2.2. ..... Defined rules, procedures, recruitment, and promotional policies, etc.

The department is following the rules, procedures, recruitment, and promotional policies, of the college

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

25.2.3. ..... Decentralization in working, including delegation of financial power and grievance redressal system

Not Applicable

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

25.2.4. ..... Transparency and availability of correct/unambiguous information disseminated among the department staff

Information are properly disseminated among staff members by conducting periodic staff meeting and share information via offline and online mode like Google meet,Microsoft Teams, Gmail, whatsApp etc.

25.3. ..... Budget Allocation, Utilization and public Accounting

25.3.1. ..... Adequacy of budget allocation

No separate budget for the department. Financial needs are catered by the college

(Provide description with numbers related to budget allocation)

25.3.2. ..... Utilization of allocated funds

Not Applicable

(Provide description with numbers related to utilization)

25.4. ..... Programme Specific Budget Allocation, Utilization

25.4.1. Adequacy of budget allocation

Not Applicable

(Provide description with numbers related to budget allocation)

25.4.2. Utilization of allocated funds

Not Applicable

(Provide description with numbers related to utilization)

25.5. Facilities: Animal House/Green House / Museum, Fabrication facility, Media laboratory/Business Lab/Studios, Research/Statistical Databases(Year of establishment, Hyperlink of videos and pictures (geotagged) – verified from DCF of AISHE)

25.6. ..... Library

25.6.1. Library space and ambience, timings and usage, availability of a qualified librarian and other staff, library automation, online access, networking, specialized facilities (ILL, download, printing, facilities for differently abled students) etc.

Since no librarian is available in the department, service of one faculty is extended with additional library work. Books are issued at the request of students and also on allotted day for 1st year, 2nd year, 3rd year on working days.

Urgent need of photo copier machine and scanner is required for the smooth conduct of the library

(Provide description)

25.6.2. Titles and volumes per title of books, journals and periodicals.

Records are kept in the department library

(List the titles and volumes per title)

25.6.3. Scholarly journal subscription

The department is subscribing of business dailies and magazines to students

(List the details of journals including publisher, ISBN number, broad range of study, specific field of study, how the subscription of a specific journal is beneficial for faculty and students)

25.6.4. Digital Library: NIL

25.6.5. Library expenditure on books, magazines/journals, and miscellaneous contents

(Provide description with numbers related to expenditure)

25.6.6. Number of withdrawal of books by students in the previous year*****

Formula:

$$\frac{\text{Number of withdrawal of books from department library in previous year}}{\text{Total number of students}} \times 100$$

$$\frac{\text{Number of withdrawal of books from College library in previous year}}{\text{Total number of students}} \times 100$$

*Source: Issue register

25.7. ..... Internet

Internet facility is available only for official purpose.

(Indicate the internet usage policy, whether satisfactory internet speed is available all the time etc.)

25.8. ..... Safety norms

25.8.1. Checks for wiring and electrical installations for leakage and earthing.

Periodic inspection of wiring and electrical installations and proper maintenance is undergoing.

(Provide description)

25.8.2. Fire-fighting measurements: Effective safety arrangements with emergency / multiple exits and ventilation / exhausts in auditoriums and large classrooms / laboratories, fire-fighting equipment and training, availability of water, and other such facilities.

Provided 3 common main exits, 2 doors each for every class room, adequate ventilation facilities are provided, no fire-fightingequipment is currently available in the department.

(Provide description with the number of equipments available and lack of thereof, if any)

25.8.3. Safety of civil structure

Pakka three storied terraced building is used as class rooms

(Provide description)

25.8.4. Handling of hazardous chemicals and such other activities

Not Applicable

(Provide description and issues, if any)

25.9. ..... Counseling and Emergency Medical Care and First-Aid

25.9.1. Availability of counseling facility

Service of college counselor is available

(Provide description and issues, if any)

25.9.2. Arrangement of emergency medical care

Three major hospitals are available within a radius of 1 KM which were used for meeting the emergency medical care.

(Provide description and issues, if any)

25.9.3. Availability of First Aid Unit

First Aid facilities are provided in the department.

(Provide description and issues, if any)

PART C

26. Programme Specific information

26.1. ..... Name of the Programme

Bachelor of Commerce

(List name of the programme, as it appears on graduate's certificates and transcript, and abbreviation used for the programme)

26.2. ..... Title of the Degree

B.Com Finance & Taxation

(List name of the degree, as it appears on graduate's certificates and transcript, and abbreviation used for the degree).

26.3. ..... History of the programme

A degree course in B.com Finance and taxation with an intake of 40 students was sanctioned by the Mahatma Gandhi University in the self-financing stream in 2013. The university enhanced the sanctioned strength from 40 to 50 in 2015

In 2015 the university sanctioned a second batch – B.com marketing with student strength of 40. The specialization of the programme was changed from Marketing to Finance and Taxation in the year 2016.

(Provide description)

26.4. ..... Deficiencies, weaknesses/concerns and challenges from previous accreditations of NAAC

Faculties are in contract basis.

(Provide description)

26.5. ..... Total number of students in the programme:

(Instruction: Total number of students, both boys and girls, has to be listed here. The data may be categorized in tabular form under graduate, post graduate, Doctoral Degree, or other program, if applicable.)

Year	Total number of students in UG programme		Total number of students in PG programme		Total number of students in Ph.D. programme		Total number of students in diploma/ certificate/ other programmes	
	Male	Female	Male	Female	Male	Female	Male	Female
2018	A-21 B-28	A-26 B-17	0	0	0	0	0	0
2019	A-15 B-18	A-33 B-27	0	0	0	0	0	0
2020	A- 31 B-32	A-17 B-15	0	0	0	0	0	0

27. Vision, Mission and Programme Outcomes

27.1. ..... Vision and Mission

27.1.1. State the Mission and Vision of the College and department in relation to programme outcomes

College Vision

The CMS College shall be a centre of excellence for imparting value-based liberal education aimed at promoting inclusive and holistic growth of the learner with thrust on real-time needs.

College Mission:

The College strives to:

- Achieve excellence by imparting quality education through teaching, learning, research and extension activities.
- Inculcate values of integrity, justice and compassion in the young minds to keep alive the missionary zeal of the founders.
- Execute academic and administrative policies in a flexible environment.
- Ensure optimum utilization of resources for the benefit of the society.
- Create awareness on human rights, cultural and spiritual heritage, scientific temper and ecology.
- Empower students as the agents of transformation and equip them to face local and global challenges.

Department Vision

The department of commerce shall be the Centre of excellence for moulding dynamic, devoted and dedicated future leaders with academic excellence and integrity of character

Department Mission

The Department endeavors to:

- Impart quality education to nurture and mature the talents of the students in achieving excellence in all walks of life.
- Inculcate ethical and social values among the students tobefit themselves to play pivotal roles in the society.
- Promulgate financial, marketing, entrepreneurship, human resource skills,enabling students to be creative and motivated personnel in various enterprises.
- Create future professionals with a humane touch in the fields of Finance, HR and Marketing.

(List and articulate the mission and vision statement of the College and department)

27.1.2. Indicate how and where the Vision and Mission are published and disseminated

The department published and disseminates its Vision and Mission through;

- Publications – Department Face book Page, Notice Board, Class rooms

The department is disseminating its vision and mission through all its activities and functions which includes:

- U.G Programmes – B.Com Finance and Taxation

(Describe in which media (e.g. websites, curricula books) the vision and mission are published and how these are disseminated to stakeholders)

27.1.3. Mention the process for defining Vision and Mission of the department

Vision and Mission of the department is the brain child of department IQAC. The department has convened several rounds of meetings in order to decide up on the Vision and Mission of the

Department. The vision and Mission of the department has finalized in the department meeting held on 12/08/2016

(Articulate the process involved in defining the vision and mission of the department from the vision and mission of the College)

27.2. ..... Program Outcomes

27.2.1. Describe the Programme Outcomes (POs)

Graduate Program Outcomes

- GPO1 Critical Thinking
- GPO2 Effective Communication
- GPO3 Social Interaction
- GPO4 Ethical Standard
- GPO5 Environmental consciousness
- GPO6 Lifelong Learning

(List and articulate the program outcomes of the program under accreditation)

27.2.2. State how and where the POs are published and disseminated

The POs are published and disseminated through the college website, College Diary and Syllabus Book.

(Describe in which media (e.g. websites, curricula books) the POs are published and how these are disseminated to stakeholders)

27.2.3. List Stakeholders of the Program

Stakeholders of the program include the following;

- Students
- Parents
- Faculty members
- Management of the college.
- Alumni
- Universities and other academic institutions.
- Industry
- Academicians
- Society
- Government

(List stakeholders of the program under consideration for accreditation and articulate their relevance)

27.2.4. State the process for establishing POs

The POs are established at the college level by the BOS.

(Describe the process that periodically documents and demonstrates that the POs are based on the needs of the program's various stakeholders.)

27.2.5. Establish consistency of POs with Mission

Mission of the Dept.	**Program outcomes linked to the Specific Mission**
Achieve excellence by imparting quality education through teaching, learning, research and extension activities.	GPO1 Critical Thinking GPO6 Lifelong Learning GPO3 Social Interaction GPO4 Ethical Standard GPO2 Effective Communication
Inculcate ethical and social values among the students to befit themselves to play pivotal roles in the society.	GPO3 Social Interaction GPO4 Ethical Standard GPO5 Environmental consciousness
Promulgate financial, marketing, entrepreneurship, human resource skills, enabling students to be creative and motivated personnel in various enterprises.	GPO1 Critical Thinking GPO2 Effective Communication GPO6 Lifelong Learning
Create future professionals with a humane touch in the fields of Finance, HR and Marketing.	GPO3 Social Interaction GPO1 Critical Thinking GPO4 Ethical Standard

(Describe how the PO's are consistent with the Mission of the department.)

27.3. ..... Attainment of Program Outcomeswith global relevance for developmental needs

27.3.1. Justify the contributions of the Programme Curriculum towards attainment of POs

The right mix of curriculum, pedagogy and assessment is required to attain the desired outcomes. Hence the curricula development and review is done always in consideration with the desired outcomes of the program.

(Describe the broad curricular components that contribute towards the attainment of the POs.)

27.3.2. Explain how administrative system helps in ensuring the attainment of POs

Various clubs and administrative bodies working at the college level and at the department level are very much contributing to the attainment of POs.

(Describe the committees and their functions, working process and related regulations.)

27.3.3. Indicate the additional co-curricular activities undertaken towards the attainment of the POs

Role of additional co – curricular Activities in the attainment of POs

Co – Curricular Activities	POs linked
Industrial Visit	GPO2 Effective Communication GPO3 Social Interaction GPO4 Ethical Standard
Soft Skill Development Workshop	GPO2 Effective Communication GPO3 Social Interaction GPO4 Ethical Standard
Study Tour	GPO2 Effective Communication GPO3 Social Interaction GPO4 Ethical Standard

27.4. ..... Assessment of the attainment of Programme Outcomeswith global relevance for developmental needs

27.4.1. Indicate tools and processes used in assessment of the attainment of POs

Attainment of Program outcomes are decided to assess through continuous assessment and End semester examination.

Describe the assessment process that periodically documents and demonstrates the degree to which the PO's are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each PO is based. Examples of data collection processes may include, but are not limited to, employer surveys, graduate surveys, focus groups, industrial advisory committee meetings, or other processes that are relevant and appropriate to the programme; the frequency with which these assessment processes are carried out.

27.4.2. Provide the evidence of the achievement of POs

Placements, higher education pursuance and results of the students are the evidence of the achievements of POs

The expected level of attainment for each of the PO.

Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the PO is being attained; and how the results are documented and maintained.

27.4.3. Indicate how the POs have been redefined the past

The college has shifted to outcome based learning in the last year only. Hence the question is not applicable.

28. Programme Specific Outcomeswith global relevance for developmental needs

28.1. ..... Definitio n and Validation of Course Outcomes and Programme Specific Outcomes

28.1.1. List the Course Outcomes (COs) and Programme Specific Outcomes (PSOs)

POS and Cos are listed in the Syllabus

(List the Course Outcomes (CO) of the courses in programme curriculum and programme specific outcomes (PSO) of the programme under accreditation)

28.1.2. State how and where the PSOs are published and disseminated

PSOs are published and disseminated in the syllabus, website and in the department notice board

(Describe in which media (eg. websites, curricula, books etc.) PSOs are published and how the same is disseminated among stakeholders).

28.1.3. Indicate processes employed for defining PSOs

PSOs are defined by the BOS and Academic Council at the college level.

(Describe the process that periodically documents and demonstrates that the PSOs are defined in alignment with the graduate attributes of NAAC)

28.1.4. Indicate how defined PSOs aligned to Graduate Attributes prescribed by UGC

Graduate attributes	**PSO linked to Graduate attributes**
Disciplinary knowledge	PSO 1 to PSO 8 and PSO LG
Communication Skills	PSO 1 to PSO 8 and PSO LG
Critical thinking	PSO 1 to PSO 8 and PSO LG
Problem solving	PSO 1, 2, 6 and 8
Analytical reasoning	PSO 1, 2, 6 and 8
Research-related skills	PSO 6
Cooperation/Team work	PSO 1 to PSO 8 and PSO LG

Scientific reasoning	PSO 1, 2, 6 and 8
Reflective thinking	PSO 3, 4, 5 and 7
Information/digital literacy	PSO 4
Self-directed learning	PSO 1 to PSO 8 and PSO LG
Moral and ethical awareness/reasoning	PSO 5
Leadership readiness/qualities	PSO 1 to PSO 8 and PSO LG
Lifelong learning	PSO 1 to PSO 8 and PSO LG

(Indicate how the PSOs defined for the programme are aligned with the Graduate Attributes of UGC)

28.1.5. Establish the correlation between PSOs and POs

Sl.No	**No**	**Programme Specific Outcome** ***Upon completion of B.Com Degree Programme, the graduates will be able to***	**GPO**
1	PSO -1	Workout problems of financial accounting	GPO 1
2	PSO -2	Work out problems in cost accounting	GPO 1
3	PSO -3	Explain the theoretical background of business	GPO 6
4	PSO -4	Describe the functioning of various institutions and markets related to business	GPO 4 GPO 6
5	PSO -5	Interpret the legal and environmental aspects business	GPO 4
6	PSO -6	Analyze quantitative data in order to take business decisions	GPO 1
7	PSO - 7	Explain the tax provisions of business and determine the income tax liability	GPO 4

		of individuals.	
8	PSO -8	Examine the correctness of the accounts and the accounting procedure	GPO4
9	PSO LG	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and interact productively with people from diverse backgrounds	GPO 2 GPO 3

Explain how the defined PSOs of the programme correlate with the POs

28.2. ..... Attainment of Programme Specific Outcomes

28.2.1. Illustrate how Course outcomes (CO) contribute to PSOs

It is given in the syllabus

(Provide the correlation between the course outcomes and the programme specific outcomes. The strength of correlation may also be indicated)

28.2.2. Explain how modes of delivery of courses help in attainment of PSOs

Lecturing methods, seminars and discussions are the most commonly using modes of delivery.Both the methods are helping to achieve the PSOs. However Seminars and discussions are contributing more to the attainment of PSOs.

(Describe the different course delivery methods/ modes, e. g. lectures interspersed with discussion, asynchronous mode of interaction, group discussion projects etc., used to deliver the courses and justify the effectiveness of these methods for the attainment of PSOs. This may be further justified using the indirect assessment methods such as course-end surveys.)

28.2.3. Indicate the extent to which the laboratory and project course work are contributing towards the attainment of the PSOs

The students of final year B.com are required to submit a project report based on original research work conducted.

(Justify the balance between theory and practical for the attainment of PSOs. Justify how the various project works (a sample of 20% best and average projects from total projects) carried as part of the programme curriculum contribute towards the attainment of the PSOs.)

28.3. ..... Assessment of the Attainment of Program Specific Outcomes

28.3.1. Describe assessment tools and processes used for assessing the attainment of each PSO

Continuous Evaluation and End Semester Examination

(Describe the assessment process that periodically documents and demonstrates the degree to which the PSOs are attained. Also include information on:
A listing and description of the assessment processes used to gather the data upon which the evaluation of each the PO is based. Examples of data collection processes may include, but are not limited to, specific exam questions, student portfolios, internally developed assessment exams, senior project presentations, nationally-normed exams, oral exams, focus groups, industrial advisory committee; the frequency with which these assessment processes are carried out.)

28.3.2. Indicate results of assessment of each PSOs

a) The expected level of attainment for each of the program outcomes;
b) Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the programme outcomes are attained; and
c) How the results are documented and maintained.

28.4. ..... Use of Assessment results towards improvement of programme

Review the curriculum, Assessment process, methods and syllabus

(Articulate, with rationale, how the results of the evaluation of the PSOs have been used to review/redefine the PSOs)

29. Program Curriculum

29.1. ..... Curriculum

29.1.1. Describe the Structure of the Curriculum

It is listed in the syllabus

(List the course outcomes of the courses in programme curriculum and programme specific outcomes of the programme under accreditation)

29.1.2. Justify how the program curriculum satisfies the program specific outcomes

CO PSo mapping table is given in the syllabus

29.2. ..... State components of Curriculum and their relevance to PSOs and POs

Please refer Curriculum, PSO, PO mapping table is given in the Syllabus

(Program curriculum grouping based on different components).

29.3. ..... State Core subjects and their relevance to Program outcomes

Please refer Curriculum PO mapping table Kept in the department

29.4. Course Syllabus

Please refer the Syllabus

(Include, in appendix, a syllabus for each course used. Syllabi format should be consistent and shouldn't exceed two pages.)

The syllabi format may include:

- Department, course number, and title of course
- Designation as a required or elective course
- Pre-requisites
- Contact hours and type of course (lecture, tutorial, seminar, project etc.)
- Course Assessment methods (both continuous and semester end assessment)
- Course outcomes
- Text books, and/or reference material

29.5. ..... Illustrate the measures and processes used to identify the curricular gaps to the attainment of the COs/PSOswith global relevance for developmental needs.

Organizing curriculum that reflects the experience of the students

(Details of the processes used to curricular gaps to the attainment of defined course outcomes and programme).

The Department is having a practice of conducting student Exit surveys and collecting feedback from Alumnus and this process is really helping us to identify the gaps in curriculum. This year onwards the department is planning to collect feedback from Employers and from the industry to identify the curriculum gap.

29.5.1. Syllabi revision –No: of programs added/dropped year wise.

Year of Introduction of the programme	If revision has been carried out in the syllabus during last 5 years	Year of revision	Title and code of the course added	Title and code of the course dropped	Percentage of Syllabus content added or replaced	Link of the relevant document
2013	B.com (Finance and Taxation)					
2015	B.com (Marketing)					
2016	B.com (Finance and Taxation)			2017		

(Link of relevant document, Academic Council meeting minutes)

29.6. Vertical mobility of programmes

In the year 2015 an additional batch has started by the department with specialization in Marketing. In The year 2016 the specialization was changed to finance and taxation from marketing.

(Explain how and when mobility windows are provided during the course of a programme, how the students benefited the vertical mobility of programmes, what are the challenges and limitations etc.)

29.7. Indicate the content beyond syllabus imparted for the attainment of the COs/PSOs

All the extracurricular activities of the department are also helping the students to achieve the Cos and PSOs. (Please refer the file kept in the Department)

(Details of content beyond syllabus imparted for the attainment of the COs/PSOs. This information may be provided course wise or modular wise)

29.8. Percentage of courses having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations for the last 5 years

1 Paper is there. 3%

Note: Calculate the percentage for courses addressing each issue separately.

29.8.1. UG programme[$]

$$\text{Percentage} = \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$$

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations
B.com (Finance and Taxation)	Corporate regulations and Administration	CM1811103	Professional Ethics
	Environmental Management and Human Rights	CM1815117	Environment and sustainability
	Entrepreneurship Development and Project management	CM1816119	Gender
	Income Tax Law and Practice - I	CM181 5303	Professional Ethics
	Auditing and Assurace	CM181 – 6120	Professional Ethics
	DMBS	CM181 1101	Professional Ethics

[$] If there are more than one UG programme in a department, provide the data and the percentage for them separately.

29.8.2. PG Programme[$$]

Formula:

$$\text{Percentage} = \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$$

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations

[$$] If there are more than one PG programme in a department, provide the data and the percentage for them separately.

29.9. ..... New courses introduced:Certificate/Diploma, Twinning/Dual Degree Programme, Double Main/Triple Main, Open Courses, etc.

Name of the course	Year of Introduction	Aided/ Self-financing	Relevance to PSO and POs
	115		

(Documents of course approval or tie up if any,Minutes of AC/BOS)

29.10. Number of programmes withCBCS/elective course system implementedyear wise

Name of the programme	Title and code of the elective course	Number of hours and credit of the course	Relevance to POs and PSOs.
B.Com Programme	International Financial Reporting Standards	90 hours /4	

(Minutes of the BOS)

29.11. Number of value-added courses (with 30 or more contact hours) imparting transferable and life skills offered & percentage of students enrolled in those courses during the previous academic year

Formula:

Percentage of students enrolled in value added courses = $\frac{\text{Number of students enrolled in the courses in the last 3 years}}{\text{Total number of courses in all programmes}} \times 100$

Year - 2018-2019				
Name of the value added courses (with 30 or more contact hours)offered during last 5 years	**Course Code**	**No. of times offered during the same year**	**Number of students enrolled in the year**	**Number of Students completing the course in the year**
Bridge Course on Fundamentals of Accounting		**1**	**9**	**9**
Coaching for Management Aptitude Test		**1**	**45**	**45**
Microsoft Office Specialist		**1**	**25**	**25**
Year - 2019-2020				
Name of the value added courses (with 30 or more contact hours) offered during last 5 years	**Course Code**	**No. of times offered during the same year**	**Number of students enrolled in the year**	**Number of Students completing the course in the year**
Bridge Course on Fundamentals of Accounting	**CM1710005**	**1**	**4**	**4**
Agriprenurial and Traininig Programme	**CM1710004**	**1**	**93**	**93**
Entrepreneurship Development Programme	**CM1710002**	**1**	**95**	**95**
Microsoft Office Specialist	**CM1710002**	**1**	**40**	**40**

29.12. Employability/ entrepreneurship / skill development

29.12.1. Percentage of courses in UG programme having focus on employability / entrepreneurship / skill development for the last 3 years

Percentage = Number of courses with focus on employability /

$$\frac{\text{entrepreneurship / skill development}}{\text{Total number of courses in the UG programme}} \times 100$$

Name of the Program	Name of the Course	Year of introduction	Year of discontinuation	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development

¶ If there are more than one UG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

29.12.2. Percentage of courses in PG programme having focus on employability / entrepreneurship / skill development for the last 3 years¶

Formula:

Percentage = Number of courses with focus on employability / entrepreneurship / skill development / Total number of courses in the UG programme × 100

Name of the Program	Name of the Course	Year of introduction	Year of discontinuation	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development

¶ If there are more than one PG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

29.13. Industry interaction/internship

(Give the details of industry involvement in the program such as industry attached laboratories and partial delivery of courses and internship opportunities for students).

29.13.1. Percentage of UG students undertaking field projects/internships in other institutions

Formula (2019 batch)

$$\frac{\text{Number of UG students undertaking field projects or internships}}{\text{Total number of UG students}} \times 100 = 11/92*100=12\%$$

115

Formula (2020 batch)

$$\frac{\text{Number of UG students undertaking field projects or internships}}{\text{Total number of UG students}} \times 100 = 3/93*100=3\%$$

Year	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out
2019-20	**Jissoy James**	11	92	Times of India, 9656223882 (Deputy Manager- RMD) OR 9895967193
	Jeny Jaimon			Times of India, 9656223882 (Deputy Manager- RMD) OR 9895967193
	Alyn Anna Mathew			Times of India, 9656223882 (Deputy Manager- RMD) OR 9895967193
	Nikhil George Jacob			Hedge Equities, 9072530273
	Aehin Abu			Hedge Equities, 9072530273
	Anargha Arsha Alexander			The Malayala Manorama Co. Ltd
	Sooraj C			Tranvancore Titatinum Products Ltd
	Silpa Sabu			The United Coir Factories
	Aleena Elizabeth John			Plantinum Printing Press
	Roshan Joseph Punnen			M K Kuruvilla & Co.
	Dilsha Hussain			MRF Employees Cooperative Socities Ltd
2020-2021	**John Vivian Renjith**	3	93	Muskurahat Foundation
	Geo Mammen Abraham			Shine project
	Anupama S			Shine project

29.13.2. Percentage of PG students undertaking field projects/internships in other institutions: Nil

Formula:

$$\frac{\text{Number of PG students undertaking field projects or internships}}{\text{Total number of PG students}} \times 100$$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out
		115		

30. Result andStudents Performance

30.1. ..... Success Rate (Result)

Formula:

Pass percentage = $\frac{\text{Total number of students who passed the course examination in a year}}{\text{Total number of students appeared for the course examination in a year}} \times 100$

UG Main Courses

UG Subsidiary Courses

2018 UG Main Courses (Tax A)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage			Number of students with grade					
					S	A+	A	B+	B	C	D	F
1	Dimensions and Methodology of Business Studies	52	49	94%	0	1	8	6	19	11	43	
	Financial Accounting 1	52	49	94%	0	1	8	8	17	10	5	3
	Corporate Regulations and Administration	52	45	87%	0	2	4	6	14	14	5	7
2.	Business Management	51	49	96%	0	8	10	9	8	8	6	2
	Special Accounting	51	41	80%	0	4	6	9	9	8	5	10
	Business Regulatory Framework	51	48	94%	3	11	5	12	9	4	4	3
3.	Corporate Accounting	51	42	82%	1	3	5	4	9	7	13	9
	Quantitative Techniques for Business 1	51	47 115	92%	1	9	14	9	5	5	4	4
	Financial Markets	51	48	94%	3	7	5	9	7	10	7	3

	and Operations											
	Marketing Management	51	47	92%	0	5	6	9	11	10	6	4
	GST	51	49	96%	1	5	2	11	13	9	8	2
4.	Management Accounting	51	46	90%	0	2	13	4	12	8	7	5
	Quantitative Techniques for Business- 2	51	47	92%	1	4	10	9	11	7	5	4
	Financial Management	51	44	86%	2	5	3	8	8	10	8	7
	Advertisement and Sales Management	51	43	84%	1	6	5	6	11	10	4	8
	Financial Services	51	41	80%	0	4	5	6	8	7	11	10
5	Fundamentals of Cost Accounting- 1	51	38	75%	1	2	5	6	11	8	5	13
	Environment Management and Human Rights	51	49	96%	0	3	11	9	10	9	7	2
	International Financial Reporting Standards	51	40	78%	1	3	3	3	12	10	8	11
	Income tax- Law and Practice-1	51	46	90%	2	2	4	10	16	6	6	5
6	Applied Cost Accounting	51	45	88%	2	4	9	5	9	10	6	6
	Auditing and Assurance	51	50	98%	2	7	12	14	5	7	3	1
	Entrepreneurship Development and Project Management	51	49	96%	1	9	6	15	11	5	2	2
	Principles of Business Decisions	51	50	98%	2	5	14	14	6	9	0	1
	Income tax- Law and Practice- 2	51	44 115	86%	2	5	12	11	6	6	2	7
	Project and Viva	51	51	100%	7	23	14	7	0	0	0	0

2018 UG Main Courses (Tax B)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
1	Dimensions and Methodology of Business Studies	47	40	85.10%	0	2	4	11	10	8	5	7
7	Financial Accounting 1	47	43	91.48%	0	2	3	11	12	8	7	4
	Corporate Regulations and Administration	47	39	82.97%	0	2	3	9	14	8	3	8
2.	Business Management	46	41	89.13%	1	8	10	8	6	6	2	5
	Special Accounting	46	33	71.7%	0	5	6	6	9	1	6	13
	Business Regulatory Framework	46	37	80.43%	1	6	14	4	5	6	1	9
3.	Corporate Accounting	45	37	82.22%	0	5	3	6	12	6	5	8
	Quantitative Techniques for Business 1	45	41	91.11%	1	16	10	5	3	2	4	4
	Financial Markets and Operations	45	41	91.11%	1	6	7	10	8	5	4	4
4.	Management Accounting	42	39	92.85%	0	2	6	11	7	6	7	3
	Quantitative Techniques for Business- 2	42	36	85.71%	0	6	7	10	5	6	2	6
	Financial Management	42	34	80.95%	2	6	5	5	8	7	1	8
	Advertisement and Sales Management	42	37	88.09%	0	3	5	8	10	6	5	5
	Financial Services	42	33 115	78.57%	0	1	5	9	8	7	3	9
5	Fundamentals of Cost Accounting- 1	42	34	80.95%	0	4	4	6	9	6	5	8

	Environment Management and Human Rights	42	41	97.61%	0	4	9	7	11	4	6	1
	International Financial Reporting Standards	42	32	76.19%	1	2	5	3	10	7	4	10
	Income tax- Law and Practice-1	42	39	92.85%	3	7	2	9	8	6	3	4
6	Applied Cost Accounting	41	36	87.80%	2	5	8	5	4	9	3	5
	Auditing and Assurance	41	38	92.68%	0	4	16	8	7	3	0	3
	Entrepreneurship Development and Project Management	41	40	97.56%	0	10	4	13	8	2	3	1
	Principles of Business Decisions	41	38	92.68%	1	5	14	5	9	3	1	3
	Income tax- Law and Practice- 2	41	38	92.68%	3	7	9	5	6	5	3	3
	Project and Viva	41	41	100%	9	22	9	1	0	0	0	0

2019 UG Main Courses (Tax - A)

Semester	**Course title and code**	**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**	**Number of students with grade**							
					S	**A+**	**A**	**B+**	**B**	**C**	**D**	**F**
1	Dimensions and Methodology of Business Studies	48	48	100%		5	15	13	8	5	2	
	Financial Accounting 1	48	46	95%		1	12	7	16	5		2
	Corporate Regulations and Administration	48	45	94%		8	8	10	9	9	1	3
2.	Business Management	48	48	100%	2	12	13	7	7	4	3	
	Special Accounting	48	45	94%		2	7	13	12	9	2	3

	Business Regulatory Framework	48	47	98%	3	15	8	10	9		2	1
3.	Corporate Accounting	48	46	95%		1	7	9	14	11	4	2
	Quantitative Techniques for Business 1	48	43	89%	2	10	5	11	5	7	3	5
	Financial Markets and Operations	48	46	95%	2	12	13	9	7	1	2	2

2019 UG Main Courses (Tax - B)

Semester	**Course title and code**	**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**	**Number of students with grade**							
					S	**A+**	**A**	**B+**	**B**	**C**	**D**	**F**
1	Dimensions and Methodology of Business Studies	45	45	100%		3	15	18	5	3	1	
	Financial Accounting 1	45	43	95%		2	3	18	11	9		2
	Corporate Regulations and Administration	45	43	95%		4	8	14	9	7	1	2
2.	Business Management	45	45	100%		9	16	12	5	2	1	
	Special Accounting	45	44	98%		2	3	12	15	11	1	1
	Business Regulatory Framework	45	43	95%	4	13	8	10	6	2		2
3.	Corporate Accounting	45	44	98%		1	6	13	14	10		1
	Quantitative Techniques for Business 1	45	41	91%	4	7	9	6	7	7	1	4
	Financial Markets and Operations	45	45	100%	1	17	14	3	6	4		

2018 UG Subsidiary Courses (Tax - A)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
1	Banking-Theory and Practice	52	49	94%	1	5	12	7	13	9	2	3
2	Insurance and Risk Management	51	49	96%	1	8	8	15	6	5	6	2

2018 UG Subsidiary Courses (Tax - B)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
1	Banking-Theory and Practice	47	44	93.61%		4	14	5	11	8	2	3
2	Insurance and Risk Management	46	43	93.47%	1	3	17	5	5	5	7	3

2019 UG Subsidiary Courses (Tax - A)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
1	Banking-Theory and Practice	48	48	100%		6	12	14	7	8	1	
2	Insurance and Risk Management	48	47	98%		6	6	14	8	7	3	4

2019 UG Subsidiary Courses (Tax - B)

Semester	Course title and code	Number of students appeared for the	Number of students passed the course	Pass percentage	Number of students with grade		

		course examination	examination		S	A+	A	B+	B	C	D	F
1	Banking- Theory and Practice	45	44	98%		4	17	11	11	1		1
2	Insurance and Risk Management	45	43	95%		1	11	8	13	9	1	2

2018 UG Open Courses (Tax - A)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
5	Ecotourism	7	7	100%	0	5	2	0	0	0	0	0
5	Computer Fundamentals, internet & MS Office	14	14	100%	1	5	4	3	0	1	0	0
5	Businesss Economics	13	13	100%	0	2	1	3	5	0	2	0

2018 UG Open Courses (Tax - B)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
5	Ecotourism	7	7	100 %	2	0	3	1	1			
5	Computer Fundamentals, internet & MS Office	3	3	100%		1	1	1				
5	english for careers	4	4	100%			1	1	2	0	0	0
5	Businesss Economics	28	25	89.28%	0	3	9	6	2	3	2	3

2018 UG Common Courses (TAX - A)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
1	Fine tune your English	52	0	52%	0	1	4	9	17	16	5	0
2	Issues the Matter	46	40	86.95%	0	0	5	8	11	7	3	6
3	Gems from the deep	51	50	98%	0	2	6	19	12	9	2	1
4	Relishing the Classics	51	50	98%	0	3	6	18	17	6	0	1

2018 UG Common Courses (TAX - B)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
1	Fine tune your English	47	46	97.87%	0	1	4	8	14	12	7	1
2	Issues the Matter	46	40	86.95%	0	0	5	8	11	7	3	6
3	Gems from the deep	45	43	95.55%	0	3	6	11	16	5	2	2
4	Relishing the Classics	42	40	95.23%	0	0	6	13	14	6	1	2

2019 UG Common Courses (TAX - A)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
1	Fine tune your	48	48	100%		2	8	20	8	9	1	

	English											
2	Issues the Matter	48	47	97%		1	4	15	14	10	3	1
3	Gems from the deep	48	48	100%		1	12	15	14	4	2	

2019 UG Common Courses (TAX - B)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
1	Fine tune your English	45	44	98%		3	7	17	10	5	2	1
2	Issues the Matter	45	44	98%		1	3	11	22	4	3	1
3	Gems from the deep	45	45	100%		3	11	22	7	2		

2018 UG Additional Language Courses (TAX - A)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
1	**Prose & Mass Media**	15	15	100%	0	2	1	4	6	1	1	0
1	**Kadhayum Kavithayum**	22	22	100%	0	1	0	7	9	5	0	0
1	**History of Syriac Language & Literature**	15	15	100%	1	5	3	2	3	1	0	0
2	Poetry, commercial correspondence and translation	15	14	93%	0	2	0	4	1	4	3	1
2	Aathmakadha , Lekhanam	22	21 115	95%	0	0	2	7	10	1	1	1
2	History of Syrian	14	14	100%	2	4	2	3	2	1	0	0

	Church in India											

2018 UG Additional Language Courses (TAX - B)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
1	**Prose & Mass Media**	10	5	50%			1	1		2	1	5
1	**Kadhayum Kavithayum**	29	29	100%			6	12	7	3	1	
1	**History of Syriac Language & Literature**	8	8	100%		3	1	3	1			
2	Poetry, commercial correspondence and translation	9	6	66%			1		1	3	1	3
2	Aathmakadha , Lekhanam	29	28	96.55%			4	12	6	3	3	1
2	History of Syrian Church in India	8	8	100%		2	1	3	2			

2019 UG Additional Language Courses (TAX - A)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
1	**Prose & Mass Media**	**2**	**2**	**100%**					**1**	**1**		
1	**Kadhayum Kavithayum**	**17**	**17**	**100%**			**8**	**6**		**1**		
1	**History of Syriac Language & Literature**	**29**	**29**	**100%**		**3**	**16**	**5**	**4**	**1**		
2	Poetry, commercial correspondence and translation	2	2	100%						1	1	
2	Aathmakadha , Lekhanam	17	17	100%		2	5	7	2		1	
2	History of Syrian Church in India	29	29	100%		4	8	11	5	1		

2019 UG Additional Language Courses (TAX - B)

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					S	A+	A	B+	B	C	D	F
1	**Prose & Mass Media**	**2**	**2**	**100%**				**2**				
1	**Kadhayum Kavithayum**	**16**	**16**	**100%**		**1**	**4**	**6**	**5**			
1	**History of Syriac Language & Literature**	**27**	**27**	**100%**		**3**	**8**	**7**	**8**	**1**		
2	Poetry, commercial correspondence and translation	2	2	100%				1	1			
2	Aathmakadha , Lekhanam	16	16	100%		1	5	6	3	1		
2	History of Syrian Church in India	27	27	100%	1	3	5	6	10	2		

30.2. ..... Academic Performance

30.2.1. Percentage of students qualifying state/ national/ international level examinations during the last 3 years (eg: NET/SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations/ other examination)

Formula:

Percentage =

$$\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students who have appeared for the exam}} \times 100$$

Academic year:

Year	Registration number/roll number for the exam	Number of students selected/ qualifying								
		NET	SLET	GATE	GMAT 115	MAT /CAT	GRE	IELTS	Civil Services	State government examinations
2018-19						4		3		
2019-20		1				3		5		
2020-21		1								

30.3. ..... Placement and Higher Studies

30.3.1. Percentage of placement of outgoing students from UG programme during the last 3 years[$$]

Formula:

Percentage =

$$\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$$

Year	Number of students placed	Name of the employer with contact details	Package received
2018-19	17		
2019-20	2		
2020-21	5		

[$$] If the department offers more than one UG programme, provide the data and the percentage for each programme

30.3.2. Percentage of student progression from UG programme to higher education, i.e. UG to PG (previous graduating batch)[##]

Formula: $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Program graduated from	No. of students enrolled into higher education	Name of institution joined	Name of programme admitted to
B.Com Finance & Taxation	27	Jain University Bangalore	Post-graduation Diploma in management
B.Com Finance & Taxation		Vanguard B-school	MBA+PGPM
B.Com Finance & Taxation		SCMS	MBA
B.Com Finance & Taxation		Image Creativity Kottayam	VFX
B.Com Finance & Taxation		Avodha	Digital Marketing
B.Com Finance & Taxation		Saintgits Institute of Management	MBA
B.Com Finance & Taxation		Saintgits Institute of Management	MBA

B.Com Finance & Taxation		St joseph college, Trichy	MA (HRM)
B.Com Finance & Taxation		Mar Athanasios College For Advanced Studies Tiruvalla	MBA
B.Com Finance & Taxation		Chanakya Business School	Certified Management Accounting(CMA)
B.Com Finance & Taxation		Chanakya Business School	Certified Management Accounting(CMA)
B.Com Finance & Taxation		Rajagiri Centre for Business Studies	Post Graduate Diploma in Management (PGDM)
B.Com Finance & Taxation		Kappans School of Accountancy and Management	ACCA
B.Com Finance & Taxation		Indian Maritime University, Kochi	MBA- International Transportation and Logistics Management
B.Com Finance & Taxation		Academy for future Professionals	CMA
B.Com Finance & Taxation		Christ College, Bangalore	MA Economics
B.Com Finance & Taxation			CA
B.Com Finance & Taxation		Shreyas Institute	CA
B.Com Finance & Taxation		Chanakya Business School	CMA US
B.Com Finance & Taxation		Lakshya Academy	CMA US
B.Com Finance & Taxation		Kerala Law Academy	3 Year Unitary LLB
B.Com Finance & Taxation		CooperativeTraining Centre, Cherthala	JDC
B.Com Finance & Taxation		Pondicherry University	General MBA Flagship program in Finance & HR
B.Com Finance & Taxation		ICAI, Kottayam	CA

B.Com Finance & Taxation		Kristu Jayanti College, Bangalore	MBA
B.Com Finance & Taxation		Elance Learning Provider	ACCA
B.Com Finance & Taxation		Symbiosis International, Pune	MBA

[##]If the department offers more than one UG programme, provide the data and the percentage for each programme

30.3.3. Percentage of placement of outgoing students from PG programme during the last 3 years[$$]

Formula:

Percentage $= \frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$

Number of students placed	Name of the employer with contact details	Package received

[$$] If the department offers more than one PG programme, provide the data and the percentage for each programme

30.3.4. Percentage of student progression from PG programme to higher education , i.e. PG to M.Phil./PhD (previous graduating batch)[##]

Formula: $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Name of program graduated from	Number of students enrolling into higher education	Name of institution joined	Name of program admitted to

[##]If the department offers more than one PG programme, provide the data and the percentage for each programme

30.4. Extra-curricular Activities

2020-2021 115		
Activity	**Level**	**No: Participants**
Best manager contest	State	11
Best manager contest	State	

Essay writing	Inter College	
Essay writing	Inter College	
Essay writing	Inter College	
Best manager contest	State	
Fabulascriptuam	National	
Solo dance	National	
Treasure hunt	National	
Best manager contest	State	
Quiz competition	National	

2019-2020

Activity	Level	No: Participants
Best Portfolio Manager Competition 2019	Intra-Dept.	91
Photography Competition	Intra-Dept.	17
HOWZAAAT - World Cup Cricket Quiz	Intra-Dept.	40
Poetry Competition	Intra-Dept.	11 - Malayalam Poetry 07 – Hindi Poetry 10 – English Poetry
Odd or Even Tournament	Intra-Dept.	16
Debate on Citizenship Amendment Bill, 2019	Intra-Dept.	10
Pencil Drawing Competition	Intra-Dept.	06
Cartoon Drawing Competition	Intra-Dept.	08

2018-2019

Activity	Level	No: Participants
Painting Competition	Intra-Dept.	04

(Instruction: Student support system concerned may provide data for the past five years)

30.4.1. Number of students participated in sports at intercollegiate / University / state/ national / international level during the last 3 years

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number
Inter Collegiate Tackwondo Championship	**George Reni**	**REGIONAL**	
Soft Ball	**Sanjai P Sunil**	**REGIONAL**	
Cricket	**Sobin Thomas**	**REGIONAL**	
Inter Collegiate Cricket Tournament	**Sanjai P Sunil**	**REGIONAL**	
Basket ball	**Nikhil George Jacob, Nandhu Vijayan, Rohan Ipe, Gokul Sureedran**	**REGIONAL**	

30.4.2. Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number
Inter Collegiate Tackwondo Championship	George Reni	Bronze Medal	REGIONAL	
Soft Ball	Sanjai P Sunil	Second Prize	REGIONAL	
Cricket	Sobin Thomas	Third Prize	Regional	
Inter Collegiate Cricket Tournament	Sanjai P Sunil	First Prize	Regional	
Basket ball	Nikhil George Jacob, Nandhu Vijayan, Rohan Ipe, Gokul Sureedran			

30.4.3. Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 3 years

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number

30.4.4. Number of awards/medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number
2018-19				
Finance Game	Farzan N Mather, Akash K Jossy, Henna Maharias, Abraham Ipe	First Prize	**Regional**	
Treasure Hunt	Akhil M Vijayan, Varun Mahadevan, Jeffin Deni, Abin George	Third Prize	**Regional**	
Treasure Hunt	Akhil M Vijayan, Varun Mahadevan, Vaishanvi S Bijley, Abin George Philip	First Prize		
Treasure Hunt	Akhil M Vijayan, Varun Mahadevan, Jeffin Deni, Mohammed Afsal	First Prize	**Regional**	
2019-20				
Marketing Game	Akash K Jossy, Aleena Bose, Krishnapriya, Henna Maharias	Third Prize	**Regional**	
Best Management Team	Akash K Jossy, Aleena Bose, Krishnapriya, Henna Maharias	Second Prize	**Regional**	
Spot Dance	Harigoury Nanda	Second Prize	**Regional**	
IPL Auction	Arjun V Nair, Rijo John, Anadhu S Kumar	Third Prize	**Regional**	
Task Management Team	Jeny Jaimon, Rithu K Alex, Zaheer Mohammed, Jissoy James	Second Prize		
Advertising Game	Nathan Vinod, Aleena Bose, Elsa Tiny, Julia Ann	First Prize		
Best Management Team	Kesia Ann Jerry, Nikitha Joji, Sara Susan, Sandra Teresa	Third Prize		
Treasure Hunt	Mekhna Krishna, Anusree Anilkumar, Pranav P Kumar, AmalKrishan S	Third Prize		
Sport	Farzan N Mather, Akash K Jossy	Second		

Game		Prize		
Treasure Hunt	Akhil M Vijayan, Varun Mahadevan, Vaishanvi S Bijley, Abin George Philip	First Prize		
Treasure Hunt	Akhil M Vijayan, Varun Mahadevan, Vaishanvi S Bijley, Abin George Philip	First Prize		
Marketing game	Nathan Vinod, Aleena Bose, Elsa Tiny, Julia Ann	Third Prize		

30.4.5. Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years

Formula:

Percentage = $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$

Year	Name of the activity	Name of the scheme	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities	Total number of students	Percentage
2018	Kootukariku oru Bhavanam (House for Classmate)	House Renovation	Teaching Faculty, PTA and Students	102	180	56.67
	Com.Care	Swathanam' : Providing food for inmates	Asha Bhavan	65	91	69.14
	Com.Care	Karuthal' : Providing food for inmates	Mercy Home, Chetipuzha	45	51	88.23
	Life Drops- Blood Donation Camp	Blood Donation Camp	Govt.Medical College,Kottayam & District Hospital with sponsorship of LIC and HDFC Bank	122	230	53.04
2019	Entrepreneurship Development Program	Training Program on production of home cleaning	Thiruvarppu Grama Panchayat	93	93	100
	Veettil oru Adukkala Thottam (Distribution of seeds and seedlings for kitchen garden)	products in association with thiruvarppu panchayat Extension Work	Krishi Vigyana Kendra Kumarakom	18	90	20
	Promotion of	Distribution of cleaning products	Little Flower L. P School, Thiruvarppu	27	93	29.03

	Swachh Bharat Program					

30.4.6. Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3 years

Formula:

Percentage = $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$

Name of the activity	Name of the student	Number of students participated in such activities	Total number of students

Provide table wise and year wise data separately for NSS/NCC/Clubs/College Union etc.

30.4.7. Professional societies/ chapters and organizing academic events

Name of the student	Name of society/chapter	Academic event organized

30.4.8. Organization of paper contests, design contests, etc., and achievements

Name of the student	Name of contest	Type of the contest	Achievements

30.4.9. Publication of technical magazines, newsletters, journals, etc.

Name of the student	Technical magazine				Newsletter				Journal			
	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.
					115							

30.4.10. Entrepreneurship initiatives, product designs and innovations

Entrepreneurial development program, agripreneurial training program, Practical training for cleaning products (soap, floor cleaner, dish wash, toilet cleaner etc), ecofriendly paper bag making

(Describe the initiatives taken)

30.4.11. Publications and awards in inter – institute events by students of the programme of study

Name of the student	Name of the awarding institute	Name of the event	Name of the award	Position acquired (first/second third)

31. Faculty Contributions

31.1. Student Teacher Ratio (STR)

31.2. Faculty Cadre Ratio

31.3. Faculty Qualifications

31.3.1. Percentage of full time teachers registered for Ph.D. (Value points will be given only for the first 3 years of registration)

Formula:

Percentage = **20%**

$$\frac{\text{Number of full time teachers in the department registered for Ph. D.}}{\text{Total number of full time teachers}} \times 100$$

Name of full time teacher registered for PhD	Date of registration	Number of full time teachers registered for PhD	Total number of full time teachers
Dr. Samkutty George		2	8
Dr. KK John			

31.3.2. Number of teachers awarded national/international fellowship for advancedstudies/research during the last 3 years

Year	Name of the teacher awarded national / international fellowship	Name of the award	Awarding Agency

31.3.3. Percentage of teachers recognized as research guides

Formula: NIL $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers in the department}} \times 100$

Name of teachers recognized as research guides	Year of recognition	Recognizing University	Total number of teachers

31.4. ..... Faculty competencies in correlation to Programme Specific Criteria

31.5. ..... Academi c Calendar and Teaching plans

(Upload details of five years)

31.6. Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years

Formula: $\frac{\text{Total number of Ph.D.degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$

Name of the PhD scholar	Name of the guide/s	Title of the thesis	Year of registration of the scholar	Year of award of PhD

31.7. Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, E-content management etc.**

Formula: $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$

Name of teacher using ICT	Type of ICT facilities used	Number of teachers using ICT	Total number of teachers
Dr. Samkutty George Mrs. Elsa Daniel Mr. Vishnu Prakash Ms. Neema Sara John Mr. Solomon Paily Ms. Parvathy B Mr. Sarina Thomas Ms. Saino Nainan	Google classroom, Google meet, Youtube, zoom, Microsoft teams	8	9

** Validation based on student feedback and link for webpage describing LMS/ Academic Management System.

31.8. ..... Faculty as participants/resource persons in faculty professional development/training Activities/seminars/workshops/symposia/conferences (national & international)

Year	Duration (From – to)	Name of the teacher	Role of the teacher (participation/ resource person)	Type of programme (faculty development/ training/ seminar/ workshop/ symposia/ conference)	Name of the programme	National/ international
2019-20	30-05-2020	Vishnu Prakash		FDP	One Day Online National FDP on "webkills for online classes"	
	04-07-2020	Neema Sara John		FDP	FDP on SEBI as a Regulator :Investor Oriented Measures	
	05-07-2020	Neema Sara John		FDP	FDP on Impact of GST on Indian Financial Market	
	04-07-2020	Vishnu Prakash		FDP	FDP on SEBI as a Regulator :Investor Oriented Measures	
	05-07-2020	Vishnu Prakash		FDP	FDP on Impact of GST on Indian Financial Market	
	04-07-2020	Parvathy B		FDP	FDP on SEBI as a Regulator :Investor	

					Oriented Measures	
	05-07-2020	Parvathy B		FDP	FDP on Impact of GST on Indian Financial Market	
	19-08-2020	Neema Sara John		FDP	Faculty Development Program on GST using Tally	
	Sep 1-5,2020	Dr. Samkutty George		Webinar	5 Day worksop on Data Analysis using SPSS	
	Sep 1-5,2020	Vishnu Prakash		Webinar	5 Day worksop on Data Analysis using SPSS	
	Sep 1-5,2020	Elsa Daniel		Webinar	5 Day worksop on Data Analysis using SPSS	
	Sep 1-5,2020	Saino Ninan		Webinar	5 Day worksop on Data Analysis using SPSS	
	Sep 1-5,2020	Neema Sara John		Webinar	5 Day worksop on Data Analysis using SPSS	
	Sep 1-5,2020	Parvathy B		Webinar	5 Day worksop on Data Analysis using SPSS	
	Sep 1-5,2020	Sarina Thomas		Webinar	5 Day worksop on Data	

					Analysis using SPSS	
	From Sep 12,2020 onwards (30 Hours)	Neema Sara John		Webinar	Econometric Methods and Applications (Learn from Zero)	
	05/04/2020 (40 hour course)	Solomon Paily		Webinar	The Fundamentals of Digital Marketing	
	06-06-2020	Vishnu Prakash		FDP	FDP on Effective Online Teaching Strategies	
	11-05-2020	Vishnu Prakash		Webinar	One Week STTP on Advanced Research Methodology	
	28th -30th April 2020	Vishnu Prakash		Webinar	3 day Basic Online Research Method Workshop	
	11-04-2020	Vishnu Prakash		Webinar	Communication Skill Course	
	11-04-2020	Vishnu Prakash		Webinar	Work Life Balance and Stress Management Course	
	08-04-2020	Vishnu Prakash		Webinar	Certificate course in HR Management and Analytics	

	10-04-2020	Vishnu Prakash		Webinar	Search Engine Marketing Course	
	08-04-2020	Vishnu Prakash		Webinar	Certificate Course in Introduction to Product Management	
	12-04-2020	Vishnu Prakash		Webinar	Basics of GST for Businesses	
	17-04-2020	Vishnu Prakash		Webinar	Accounting- The Foundation Course	
	13-04-2020	Vishnu Prakash		Webinar	Introduction to Corporate Finance	
	07-04-2020	Vishnu Prakash		Webinar	Accounting Fundamentals	
	11-04-2020	Vishnu Prakash		Webinar	Affiliate Marketing	
	11-04-2020	Vishnu Prakash		Webinar	Leadership Skill Course	
	14-04-2020	Vishnu Prakash		Webinar	GST in 90 Minutes	
	10-04-2020	Vishnu Prakash		Webinar	E-Commerce	
	15-04-2020	Vishnu Prakash		Webinar	Marketing Strategy Fundamentals	
	16-04-2020	Vishnu Prakash		Webinar	Investment Banking : An Overview	
	05/04/2020 (40 hour course)	Vishnu Prakash		Webinar	The Fundamentals of Digital Marketing	

31.9. ..... Faculty Retention

31.10. ..... Faculty Research Publications (FRP)

31.10.1. Number of research papers per teacher in the Journals notified on UGC website during the last 3 years

Formula: $\frac{\text{Total number of publications in UGC notified journals in the last 3 years}}{\text{Total number of teachers who published in UGC notified journals in the last 3 years}}$

Title of paper	Name of the teacher	Name of journal	ISBN/ISSN number	Impact factor if any	Affiliating institute at the time of publication
Perception of youth towards agripreneurship with reference to kottayam district	Sarina Thomas	GAP GYAN A GLOBAL JOURNAL OF SOCIAL SCIENCES	2581-5830		

Journal with the highest impact factor in your stream and its impact factor (multidisciplinary journals are not to be counted):…..

31.10.2. Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years

Formula:

$$\frac{\text{Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years}}{\text{Total number of teachers who published in the last 3 years}}$$

Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	ISBN/ISSN number of the proceeding	Name of the publisher	Affiliating institute at the time of publication

31.10.3. BiblioMetrics of the publications during the last 3 years based on average citation index and H-index in Scopus/ Web of Science or PubMed/ Indian Citation Index/Google scholar

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Average H-index of the faculties	Institutional affiliation as mentioned in the	Number of citations excluding self

						publication	citations

31.11. Faculty Intellectual Property Rights (FIPR)

31.11.1. Number of Patents published/awarded

Name of the teacher	Name of the Patent published/awarded	Patent Number	Year of award	Affiliating institute at the time of publication/award

31.12. Funded R & D projects and consultancy works

31.12.1. Major Research projects sponsored by government sourcessuch as UGC, DST, DBT, KSCSTE, etc.

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

31.12.2. Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees)

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

31.12.3. Research projects sponsored by the non-government sourcessuch as industry, corporate houses, international bodies, endowments (Amount in Rupees)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Funds provided	Duration of the project

31.12.4. Consultancy

Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (amount in rupees)

31.12.5. Revenue generated from corporate training by the department during the previous year

Names of the teacher-consultants	Title of the corporate training program	Agency seeking training with contact details	Revenue generated (amount in rupees)	Number of trainees

31.13. Number of awards for innovation won by teachers

Title of the innovation	Name of the Awardee	Year of award	Name of the Awarding Agency with contact details

31.14. ..... Faculty interaction with International Collaborations

Name of the faculty	Collaborating agency/ institute/ industry	Name of the agency/ institute/ industry/ organization	Type of collaboration (research/ teaching/ industrial etc.)	Country of the collaborating party	Has any MoU signed?	Validity period of the MoU (from date – to date)

31.15. ..... Member ship in Professional bodies

31.15.1. Membership in academic bodies in Universities / other colleges

Name of the teacher	Name of the academic body	University/ other college	Position held

31.16. ..... Reviewer/Editors of International and national journals

Name of the teacher	Name of the Journal, ISSN No., publisher, national/international	Role of the teacher (Reviewer/ Editor)

31.17. Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 3 years

Academic body / Administrative body / Committee	Name of the Academic body / Administrative body / Committee	Specific role of the faculty	Duration of hours spent in the last 5 years
		Total hours spent	

31.18. Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years

Formula:

Percentage = $\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$

Name of the activity/scheme	Organizing unit/ agency/ collaborating agency	Number of teachers participated in such activities

32. Academic Support Units and Teaching-Learning-Evaluation Process

32.1. Academic Support Units for academic and stress related issues

32.1.1. Ratio of mentor to students for academic and stress related issues

Students can communicate their academic and stress related issues with their respective class wardens. Academic counseling is done by the class wardens and HOD. For Personal counseling around 30 students are allocated to each faculty members.

32.1.2. Department level student grievance addressing system

The department has set up a student's Grievance Redressal cell which is headed by Dr. K K John and the composition of the cell ensures, the students participation in the redressal mechanism.

32.2. Teaching-Learning Process

32.2.1. Tutorial classes to address student questions

The department arranged tutorial classes for the students who fail to clear their doubts and questions in the class hours. After going through the lessons, the students if they have any questions are encouraged to attend zero hours on Friday every week. Each core subject is allotted a day in a month.

Year	Number of Classes	Number of Students
2018-19	15	06
2019-20	15	09
2020-21	15	05

32.2.2. Mentoring system To help at individual levels

3. Does the department assess the learning levels of the students, after admission and organizes special programs for advanced learners and slow learners? – Details.

Yes. The department assess the learning levels of the students by conducting an entry level exam and department organizes special programs to support "slow

learners" like Special Coaching classes, Remedial coaching classes, Improvement classes etc, Projects, Seminars, Peer teaching etc

4. Does the department take special attention on the needs of differently abled students? – Details.

   At present there are no differently abled students in the department who need special attention. But the department is conscious of such needs of the differently abled students.

32.2.3. Feedback analysis and reward/corrective measures taken, if any

Describe whether:

Structured feedback received from:

2) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents

for design and review of syllabus - Semester wise /year wise

32.2.4. Scope for self-learning

Do student centric methods, such as experiential learning,participative learning and problem solving methodologies are used for enhancing learning experiences? – details.

The Department established many systems for enhancing learning experiences of the students which include student quality circles, peer teaching method, group discussions, practical (real life experience) learning etc..

32.2.5. Generation of self-learning facilities, availability of materials for learning beyond syllabus

The department provides E-resources like PPT, PDF and so on which are prepared by the faculties for each subject through emails and whatsapp groups and department also provide opportunities to students periodically to discuss things beyond their syllabus.

32.2.6. Career Guidance, Training, Placement, and Entrepreneurship Cell

Describe the number of capability enhancement and development schemes

14. Guidance for competitive examinations

The department gives proper guidance for competitive examinations like CAT, MAT, and Bank tests and so on to students. The department encourages the

students to apply for competitive exams and give them required assistance. Prof. Vishnu Prakash, faculty of this department monitors the activities

15. Career Counseling

The department provides classes on career counseling which help the students to know and understand themselves and their pathway better. The department gives them invited talks of eminent persons about careers which are to be opted by commerce students and which will also help the students to uncover their strengths, overcome barriers and also to realize their potential. Dr. Samkutty George, Head of the Department monitors the career counseling program.

16. Soft skill development

The department arranges soft skill training classes for third year students every year which include training on leadership skills, creativity, self motivation, problem solving skills, time management etc. The classes are conducted on Friday every week from 9.00 am to 10.00 am

17. Induction/Remedial programmes

The department provides remedial programs for those students who ae weak on different subjects on demand. A separate register is kept for students who seek remedial classes. Sri.Solomon Paily, Faculty of this department arranges remedial classes.

18. Language lab

NIL

19. Bridge courses

The department conducts bridge courses for non commerce students every year. After admission and before commencement of regular classes they are given classes on commerce subjects mainly on Accounting. Every year 10 to 20 non-commerce students gets admitted to B.com. The classes are headed by faculty members. Sri. Vishnu Prakash monitors the arrangements.

20. Personal Counseling

Dr. K. K John and Prof. Elsa Daniel act as the counselors. Students found in need of counseling approach the counselors. They are given counseling and if needed follow up are also arranged.

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Bridge courses	2014	5	
Remedial Program	2015	95	
Personal Counseling	2014	8	

32.2.6.1. Indicate whether the department conducted tests at the beginning of each semester to identify weak/ potential students?

Yes. The department conducts tests on each subject at the beginning of academic year. Based on the tests, weak and potential students are identified. The weak students are provided with remedial coaching, tutorial classes etc.

32.2.6.2. Indicate how the department took extra measures to identify, address and meet the special requirements of differently abled students.

Moral support was given to the students.

32.2.6.3. Average percentage of students benefited by guidance for competitive examinations and career counseling offered by the department during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated by Career Counseling / competitive exams activities
2018	Be Competitive	30
2019	Be Competitive	22
2020	Be Competitive	11

32.2.6.4. Average percentage of students benefitted by Vocational Education and Training (VET) during the last 3 years

Year	Name of the scheme 115	Number of students benefited/attended / participated VET

32.2.7. Role of department in Co-curricular and Extra-curricular Activities of students

The department encourages students to join various co-curricular and extracurricular activities. Students are also encouraged to participate in inter collegiate fests, intra college competitions and intra department competitions. The department also formed various clubs for student's active participation in extracurricular activities like ED Club, Film Club, Nature Club, Music Club, Industrial visits etc.

32.2.8. Role of department Games and Sports achievements of students

The department motivates and ensures students active participation in games and sports. The students of the department have bagged several prizes and medals in various sports and game events like kabaddi championship, wrestling competition etc

32.2.9. Does the department have a system to check malpractices and plagiarism?

Provide upload the URL having code of ethics	Whether Departments have been provided access to plagiarism detecting software (Yes/No)	Mechanism for detecting plagiarism
NIL		
NIL		
NIL		

33. Continuous improvements

33.1. Improvement in Success Index of Students

33.2. Improvement in Academic Performance Index of Students

33.3. Improvement in Student-Teacher Ratio

33.4. Enhancement of Faculty Qualification Index

33.5. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

33.6. Continuing Education

33.7. New Facility Created

Teachers are using ICT facilties.

(List the new facilities created with their anticipated impact on the teaching – learning process)

33.8. Overall Improvements since last accreditation, if any, otherwise, since the commencement of the programme

With the help of ICT facilities student teacher interaction improved. It leads to securing higher results by students.

34. Events in Department

34.1. Seminars/Conferences/Workshops conducted(National and International)

34.1.1. Number of national seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years

Name of the seminar / workshop / symposium / conference	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants
National conference on Paradigm shift in Indian Economy: Opportunities and Challenges			14th and 15th Dec 2018 28th July 2018	Teachers	8
The Methodology in Teaching Commerce			25th June 2019		9
Workshop on The Methodology in Teaching Commerce			21st August 2019		8
One day workshop on preparation of Dissertation			23rd-24th September, 29th September		9
Webinar on "Identification of Statistical Tools for Data Analysis"			& 30th October, 2020		9
Workshop on Data Analysis with Microsoft Excel			14th & 15th December, 2020		

34.1.2. Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 3 years

Name of the Summer school programme	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants

34.1.3. Number of awards for innovation won by department during the last 3 years

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award	Category-department// research scholar/student

34.1.4. Academicians visited

Name and designation of the academician	Name of the Institute/ University of the academician	Country to which the academician belong	Name of the programme attended by the academician	Type of the programme attended by the academician	Beneficiaries of the programme	Funding agency of the programme
Nisha Jose	St Thomas College,Pala	INDIA	Association Programm	Bufget awareness and evaluation	Students of the department	Department of Commerce (SF)
Benny Kurian						
Manoj TN						
Dr B Johnson						
Dr Stephen Mathew						
Perunna Vijayan						
VK Vijayakumar						
Dr. AP Philip						
Ramjith VS						
Sabu P Kumar						
Abraham Varghese						

Jancy K Koshy						
Gigy Koshy						

34.2. MoU's and Tie-ups

34.2.1. Number of Collaborative activities for research, faculty exchange,student exchange during the last 3 years

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Source of financial support	Duration	Nature of the activity

34.2.2. Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 3 years

Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage	Name of the participant

34.2.3. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 3 years (only functional MoUs with ongoing activities to be considered)

Organization with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs
		116			

14.3. Institutes, Scholarships, Endowments

14.3.1. Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government schemes) during the last 3 years

Formula:

$$\text{Percentage} = \frac{\text{Number of students benefited by by scholarships and freeships}}{\text{Total number of students}} \times 100$$

Name of the scholarship/freeship	Number of students benefited
B.Com Topper Award	3 (1 student per academic year)
Bimal Endowment Award	3 (1 student per academic year)

14.4. Fund generated by the department (minor projects, major projects, workshops, symposia, travel grant, scholarship, and if any other)

Type of fund generated	Amount (Rs.)	Name of the Faculty that attracted the fund

14.5. Total number of employability training programmes conducted by the department during the last 3 years and the total number of students attended the programme

Name of the employability training programme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details

14.6. Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes

Name of the teacher	Name of the capacity enhancement scheme / training programme	Name of the institute attended	Duration of the scheme / programme

14.7. Details of extension activities of regular nature organized by the department *

Name of the extension activity	Nature of extension activity	Duration	Involvement of Percentage of students in the department
World environment day	Within the campus	1 day	22
Making of Vegetable Garden	Within the campus	1 day	93
Extension Activity- Distribution of Vegetable Seeds	Within the campus	1 day	20

*Related to the area of knowledge of the department

14.8. Details of activities organized by the department to promote universal values*

Name of the activity	Within the campus/ outreach	Duration	Involvement of Percentage of students in the department
World bicycle day	Within the campus	1 day	20%
World environment day	Within the campus	1 day	45%
International yoga day	Within the campus	1day	80%
Onam celebration	Within the campus	1 day	90%

14.9. Total number of cultural activities/ competitions organized by the department during the last 3 years

Sl. No.	Name of the activity	Interdepartmental / intercollegiate	Total number of students involved
	Yoga Day	**Interdepartmental**	**93**
	ED Club activity (Training programme on Production and training Program of soap and Dish washer)	**Interdepartmental**	**96**
	Practical Training for production of Cleaning Products- Soap	**Interdepartmental**	**96**
	Practical Training for production of Cleaning Products- Floor Cleaner	**Interdepartmental**	**96**
	Practical Training for production of Cleaning Products- Dish Washer	**Interdepartmental**	**96**

	Practical Training for production of Cleaning Products- Toilet Cleaner	**Interdepartmental**	**96**
	Seminar on Mushroom and Apiculture Cultivation	**Interdepartmental**	**93**
	Talk on Entrepreneurship : Theory and Practice	**Interdepartmental**	**81**
	A Practical Session on Mushroom and Apiculture Cultivation	**Interdepartmental**	**93**
	Making of Vegetable Garden	**Interdepartmental**	**93**
	Extension Activity- Distribution of Vegetable Seeds	**Interdepartmental**	**20**
	Seminar on Production of Organic Manure and Pesticide	**Interdepartmental**	**93**
	Bridge Course on Fundamentals of Accounting	**Departmental**	**03**
2020-21	**Webinar on entrepreneurial opportunities in animal husbandary**	**Interdepartmental**	**96**
	Webinar on opportunities and challenges of nascent entrepreneurs	**Interdepartmental**	**94**
	Webinar on digital marketing	Interdepartmental	**91**
	Discussion on farm bill	**Intradepartmental**	**88**
	Analysis of union budget	**Intradepartmental**	**93**
	Webinar on stock market	**Intradepartmental**	**65**
	Analysis of union budget	**Intradepartmental**	**93**
	IPL Auction	**Intradepartmental**	
	Emoji competition	**Intradepartmental**	**12**
	Troll making	**Intradepartmental**	**14**
	Online dance competiton	**Intradepartmental**	**14**
	Music competition	**Intradepartmental**	**18**
	Cooking competition	**Intradepartmental**	**8**
	Show reels competition	**Intradepartmental**	**11**
	Drawing competition	**Intradepartmental**	**9**

	Ludo competition	**Intradepartmental**	**28**
	World bicycle day	**Intradepartmental**	**32**
	World environment day	**Intradepartmental**	**22**
	International yoga day	**Intradepartmental**	**98**
	Onam celebration	**Intradepartmental**	**99**

14.10. Alumni contribution during the last 3 years (Amount in Rupees)

Name of the alumnus/ alumni association	**AADHAR / PAN**	**Year of graduation**	**Year of contribution**	**Quantum of contribution (Rs.)**

15. SWOT Analysis

13.1. Identify Strength, Weakness, Opportunities and Threats of the Department

- Strengths

-Good infrastructural facilities
-well equipped class rooms and faculty rooms
-Best results attract best students
-Experienced, Qualified and Dedicated faculty members
-Own library
-Round clock grievance cell
-Dedicated PTA
-External Links with Other Institutions and department
-ambience
-Affordability of program

- Weakness

- Opportunities
    - Introduction of new courses

-

➢ Threats

13.2. Good practices, if any

- Gender equity promotion programs
- Equal opportunities are given to both the genders in terms of admissions and other activities in the department. Both girls and boys are made members of various clubs associated with extracurricular and co-curricular activities of the department.

- Gender sensitivity in providing facilities such as:
  - ➢ Safety and Security:

➢ The department ensures the safety and security of both boys and girls

  - ➢ Counseling:

Dr. K K John and Prof. Elsa Daniel act as the counselors among the students.

  - ➢ Common room

➢ A common room is arranged for the girls in the department with a seating capacity of 40 students. Newspapers, magazines and journals are available in the common room. Prof. Neema Sara John has the charge of common room.

- Green practices: (Green Audit)
  - ➢ Transportation: Bicycles: Nil
  - ➢ Plastic free department:

➢ The department is completely plastic free and moreover the students are advised not to use any plastic materials or items while conducting any activities in the department.

  - ➢ Paperless department

The department more or less follows the paperless approach. The notes and other reference materials are mailed to students and students are encouraged to submit their assignments and project works through mail.

  - ➢ Green landscaping

A garden is set up in the department compound. Moreover every classrooms,

common room, faculty room and passages are beautified with green plants.

- Initiatives that contribute to local community
- Students of the department visits nearby orphanages and old aged homes twice in a year and students also arranges recreational activities for the members in such orphanages.

- Code of Conduct Handbook/Display of core values/Duties &Rights of citizens

- The department displays core values in every class rooms which will help the students to determine the right path and also helps to determine the difference between right and wrong. The department also displays the duties and rights of Indian citizens in every class room.

- Activities to increase consciousness about national identities and symbols

  The department celebrates various national days like Independence day, Republic day etc. Also the department displays national identities in every class room and the images of various historical monuments in India like Taj Mahal, Sun Temple etc are also displayed in class room

- Course on human values and professional ethics
- Departmental functioning is as per professional code
- Activities to promote universal values
- Complete transparency in its financial, academic, administrative and auxiliary functions
- Department ensures complete transparency in financial, academic and administrative functions. Dr. K K John, faculty of the department act as the Auditor of the department.

- Remedial teaching

  Department ensures complete transparency in financial, academic and administrative functions. Dr. K K John, faculty of the department act as the Auditor of the department.

- Activities to increase the quality of teaching methodology
- A quality circle is created among teachers to improve their methodology of teaching.

- Any other relevant best practices

- Teachers of the department conduct Self Assessment Tests (SAT) for the academic

excellence of students. It is introduced by Dr.K K John

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DSAR SCORE CARD COMMERCE SELF FINANCE

CMS College Kottayam
Department Accreditation Score Card
Department of Commerce SF

Quantitative Matrices:

12. Programme curriculum

Metric No.			Weight	Cumulative Weight (Scored)	cumulative weight (Maximum)
7.5.1	Percentage of programs where syllabus revision was carried out during the last five years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses revised}}{\text{Total number of courses in the programme}} \times 100$ UG: 4. 2018-19 5. 2019-20 6. 2020-21 PG: 4. 2018-19 5. 2019-20 6. 2020-21	116	$(0/34) \times 100 = 0$ $(0/34) \times 100 = 0$ $(0/34) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0 0 0 0		20

	Average weight scored ***Documentary evidences:*** *4. List of courses revised* *5. Copy of approved curriculum* 6. *Minutes of the Board of Studies (2016 onwards)*		0	0	20
7.8	Average percentage of theory courses offered having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of courses offered with above focus}}{\text{Total number of courses in the programme}} \times 100$ UG: 10. 2018-19 11. 2019-20 12. 2020-21 PG: 10. 2018-19 11. 2019-20 12. 2020-21	$(6/34) \times 100 = 17.6$ $(6/34) \times 100 = 17.6$ $(6/34) \times 100 = 17.6$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	4 4 4 0 0 0		10
	Average weight scored ***Documentary evidences:*** *4. List of courses with the above focus* *5. Copy of approved curriculum* *6. Minutes of the Board of Studies (2016 onwards)*		12	$(12/6) = 2$	10

7.9	New courses introduced: Add-on,/extra credit, Certificate/Diploma etc.for the period 2014-17: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of new courses introduced}}{\text{Total number of courses}} \times 100$ UG: 13. 2018-19 14. 2019-20 15. 2020-21 PG: 13. 2018-19 14. 2019-20 15. 2020-21	 $(1/34) \times 100 = 2.9$ $(1/34) \times 100 = 2.9$ $(1/34) \times 100 = 2.9$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	 4 4 4 0 0 0		10
	Average weight scored ***Documentary evidences:*** *3. Copy of approved curriculum* *4. Minutes of the Board of Studies (2016 onwards)*		12	$(12/6) = 2$	10
7.11	Average percentage of students enrolled in those courses during the years: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students enrolled in the course}}{\text{Total number of students in the dept}} \times 100$ UG: 16. 2018-19 17. 2019-20 18. 2020-21 PG: 16. 2018-19 116 17. 2019-20 18. 2020-21	 $(79/278) \times 100 = 28$ $(79/278) \times 100 = 28$ $(79/278) \times 100 = 28$ $(0/0) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$	 10 10 10 0 0 0		20

	Average weight scored ***Documentary evidences:*** *5. Brochure* *6. Copy of approved curriculum* *7. Minutes of the Board of Studies (2016 onwards)* *8. MoU, if any*		$(30/6) = 5$	5	20
7.12	Average percentage of courses (theory/practical) offered as part of the UG/PG programme having focus on employability / entrepreneurship / skill development: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses with above focus}}{\text{Total number of courses in the programme}} \times 100$ UG: 4. 2018-19 5. 2019-20 6. 2020-21 PG: 4. 2018-19 5. 2019-20 6. 2020-21	$(0/34) \times 100 = 0$ $(0/34) \times 100 = 0$ $(0/34) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0 0 0 0		20
	Average weight scored ***Documentary evidences:*** *4. Copy of approved curriculum* *5. Minutes of the Board of Studies (2016 onwards)* *6. MoUs with relevant organizations*		$(0/6) = 0$	0	20

7.13	Percentage of students undertaking field projects/internships during the years: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\%\ \text{of students} = \frac{\text{Number of students undertaking field projects or internships}}{\text{Total number of students}} \times 100$ UG: 4. 2018-19 5. 2019-20 6. 2020-21 PG: 7. 2018-19 8. 2019-20 9. 2020-21	$(0/278) \times 100 = 0$ $(11/278) \times 100 = 12$ $(3/278) \times 100 = 1$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 4 4 0 0 0		10
	Average weight scored ***Documentary evidences:*** *4. MoUs with relevant organizations* *5. Copy of student internship certificates/ reports* *6. Correspondence with relevant organizations*		8	(8/6) = 1.3	10
		Total	-	10.3	**90**

13. Result and Student Performance

Metric. No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
8.1	Success Rate of courses in UG and PG programmes Weightage distribution: 90% - 100% : 70 wt 80% - 89% : 63 wt 70% - 79% : 56 wt 60% - 69% : 49 wt 50% - 59% : 42 wt 40% - 49% : 35 wt				70

	30% - 39% : 28 wt 20% - 29% : 21 wt 10% - 19% : 14 wt 1% - 9% : 7 wt <1% : 0 wt $\frac{\text{No. of students who passed the course examination in a year}}{\text{No. of students appeared for the course examination in a year}} \times 100$				
	2018 **UG Programme (Courses offered)**				
	25. Dimensions and Methodology of Business Studies	$(49/52) \times 100 = 94$	70		
	26. Financial Accounting 1	$(49/52) \times 100 = 94$	70		
	27. Corporate Regulations and Administration	$(45/52) \times 100 = 87$	63		
	28. Business Management	$(49/51) \times 100 = 96$	70		
	29. Special Accounting	$(41/51) \times 100 = 80$	63		
	30. Business Regulatory Framework	$(48/51) \times 100 = 94$	70		
	31. Corporate Accounting	$(42/51) \times 100 = 82$	63		
	32. Quantitative Techniques for Business 1	$(47/51) \times 100 = 92$	70		
	33. Financial Markets and Operations	$(48/51) \times 100 = 94$	70		
	34. Marketing Management	$(47/51) \times 100 = 92$	70		
	35. GST	$(49/51) \times 100 = 96$	70		
	36. Management Accounting	$(46/51) \times 100 = 90$	70		
	37. Quantitative Techniques for Business- 2	$(47/51) \times 100 = 92$	70		
	38. Financial Management	$(44/51) \times 100 = 86$	63		
	39. Advertisement and Sales Management	$(43/51) \times 100 = 84$	63		
	40. Financial Services	$(41/51) \times 100 = 80$	63		
	41. Fundamentals of Cost Accounting- 1	$(38/51) \times 100 = 75$	56		
	42. Environment Management and Human Rights	$(49/51) \times 100 = 96$	70		
	43. International Financial Reporting Standards	$(40/51) \times 100 = 78$	53		
	44. Income tax- Law and Practice-1	$(46/51) \times 100 = 90$	70		
	45. Applied Cost Accounting	$(46/51) \times 100 = 90$	70		
	46. Auditing and Assurance	$(45/51) \times 100 = 88$	63		
	47. Entrepreneurship Development and Project Management	$(50/51) \times 100 = 98$	70		
	48. Principles of Business Decisions	$(49/51) \times 100 = 96$	70		
	49. Income tax- Law and Practice- 2	$(50/51) \times 100 = 98$	70		
	50. Project and Viva	$(44/51) \times 100 = 86$	63		
	51. Dimensions and Methodology of Business Studies	$(51/51) \times 100 = 100$	70		
	52. Financial Accounting 1	$(40/47) \times 100 = 85$	63		
	53. Corporate Regulations and Administration	$(43/47) \times 100 = 91$	70		
		$(39/47) \times 100 = 82$	63		
		$(41/46) \times 100 = 89$			

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	54. Business Management	$(33/46) \times 100 = 71$	63		
	55. Special Accounting	$(37/46) \times 100 = 80$	53 63		
	56. Business Regulatory Framework	$(37/45) \times 100 = 82$	63		
	57. Corporate Accounting	$(41/45) \times 100 = 91$	70		
	58. Quantitative Techniques for Business 1	$(41/45) \times 100 = 91$	70		
	59. Financial Markets and Operations	$(39/42) \times 100 = 92$	70		
	60. Management Accounting	$(36/42) \times 100 = 85$	63		
	61. Quantitative Techniques for Business- 2	$(34/42) \times 100 = 80$	63		
	62. Financial Management	$(37/42) \times 100 = 88$	63		
	63. Advertisement and Sales Management	$(33/42) \times 100 = 78$	56		
	64. Financial Services	$(34/42) \times 100 = 80$	63		
	65. Fundamentals of Cost Accounting- 1	$(41/42) \times 100 = 97$	70		
	66. Environment Management and Human Rights	$(32/42) \times 100 = 76$	56		
	67. International Financial Reporting Standards	$(39/42) \times 100 = 92$	70		
	68. Income tax- Law and Practice-1	$(36/41) \times 100 = 87$	63		
	69. Applied Cost Accounting	$(38/41) \times 100 = 92$	70		
	70. Auditing and Assurance	$(40/41) \times 100 = 97$	70		
	71. Entrepreneurship Development and Project Management	$(38/41) \times 100 = 92$	70		
	72. Principles of Business Decisions	$(38/41) \times 100 = 92$	70		
	73. Income tax- Law and Practice- 2	$(41/41) \times 100 = 100$	70		
	74. Project and Viva	$(49/52) \times 100 = 94$	70		
	75. Banking- Theory and Practice	$(49/51) \times 100 = 96$	70		
	76. Insurance and Risk Management	$(44/47) \times 100 = 93$	70		

	77. Banking- Theory and Practice	$(43/46) \times 100 = 93$	70		
	78. Insurance and Risk Management	$(7/7) \times 100 = 100$	70		
	79. Ecotourism	$(14/14) \times 100 = 100$	70		
	80. Computer Fundamentals, internet & MS Office	$(13/13) \times 100 = 100$	70		
	81. Businesss Economics	$(7/7) \times 100 = 100$	70		
	82. Ecotourism	$(3/3) \times 100 = 100$	70		
	83. Computer Fundamentals, internet & MS Office	$(4/4) \times 100 = 100$	70		
	84. english for careers	$(25/28) \times 100 = 89$	63		
	85. Businesss Economics	$(x/52) \times 100 = 52$	42		
	86. Fine tune your English	$(40/46) \times 100 = 86$	63		
	87. Issues the Matter	$(51/50) \times 100 = 98$	70		
	88. Gems from the deep	$(51/50) \times 100 = 98$	70		
	89. Relishing the Classics	$(48/48) \times 100 = 100$	70		
	90. Fine tune your English	$(47/48) \times 100 = 97$	70		
	91. Issues the Matter	$(48/48) \times 100 = 100$	70		
	92. Gems from the deep	$(15/15) \times 100 = 100$	70		
	93. Prose & Mass Media	$(22/22) \times 100 = 100$	70		
	94. **Kadhayum Kavithayum**	$(15/15) \times 100 = 100$	70		
	95. **History of Syriac Language & Literature**	$(14/15) \times 100 = 93$	70		
	96. Poetry, commercial correspondence and translation	$(21/22) \times 100 = 95$	70		
	97. Aathmakadha , Lekhanam	$(14/14) \times 100 = 100$	70		
	98. History of Syrian Church in India 116	$(5/10) \times 100 = 50$	70		
	99. **Prose & Mass Media**	$(29/29) \times 100 = 100$	70		
		$(8/8) \times 100 = 100$	70		
		$(6/9) \times 100 = 66$	70		
		$(28/29) \times 100 = 96$	70		
		$(8/8) \times 100 = 100$	42		
			70		
			70		

	100. **Kadhayum Kavithayum**		49		
	101. **History of Syriac Language & Literature**		70		
	102. Poetry, commercial correspondence and translation	$(48/48) \times 100 = 100$ $(46/48) \times 100 = 95$ $(45/48) \times 100 = 94$	70		
	103. Aathmakadha , Lekhanam	$(48/48) \times 100 = 100$ $(45/48) \times 100 = 94$			
	104. History of Syrian Church in India	$(47/48) \times 100 = 98$ $(46/48) \times 100 = 95$ $(43/48) \times 100 = 89$	70		
	2019 **UG Programme (Courses offered)**	$(46/48) \times 100 = 95$	70 70		
	26. Dimensions and Methodology of Business Studies	$(45/45) \times 100 = 100$	70		
	27. Financial Accounting 1	$(43/45) \times 100 = 95$	70		
	28. Corporate Regulations and Administration	$(43/45) \times 100 = 95$	70		
	29. BusinessManagement 30. special Accounting	$(45/45) \times 100 = 100$	70		
	31. Business Regulatory Framework	$(44/45) \times 100 = 98$	63		
	32. Corporate Accounting	$(43/45) \times 100 = 95$	70		
	33. Quantitative Techniques for Business 1	$(44/45) \times 100 = 98$			
	34. Financial Markets and Operations	$(41/45) \times 100 = 91$	70		
	35. Dimensions and Methodology of Business Studies	$(45/45) \times 100 = 100$ $(48/48) \times 100 = 100$ $(47/48) \times 100 = 98$	70 70		
	36. Financial Accounting 1	$(44/45) \times 100 = 98$			
	37. Corporate Regulations and Administration	$(43/45) \times 100 = 95$	70 70		
	38. Business Management	$(48/48) \times 100 = 100$ $(47/48) \times 100 = 98$	70		
	39. Special Accounting	$(48/48) \times 100 = 100$	70		
	40. Business Regulatory Framework	$(44/45) \times 100 = 98$ $(44/45) \times 100 = 98$	70		

	41. Corporate Accounting	$(45/45) \times 100 = 100$	70		
	42. Quantitative Techniques for Business 1	$(2/2) \times 100 = 100$	70		
	43. Financial Markets and Operations	$(17/17) \times 100 = 100$	70		
	44. Banking- Theory and Practice	$(29/29) \times 100 = 100$	70		
	45. Insurance and Risk Management	$(2/2) \times 100 = 100$	70		
	46. Banking- Theory and Practice	$(17/17) \times 100 = 100$	70		
	47. Insurance and Risk Management	$(29/29) \times 100 = 100$	70		
	48. Fine tune your English	$(2/2) \times 100 = 100$	70		
	49. Issues the Matter	$(16/16) \times 100 = 100$	70		
	50. Gems from the deep	$(27/27) \times 100 = 100$	70		
	51. Fine tune your English		70		
	52. Issues the Matter		70		
	53. Gems from the deep		70		
	54. **Prose & Mass Media**		70		
	55. **Kadhayum Kavithayum**		70		
	56. **History of Syriac Language & Literature**		70		
	57. Poetry, commercial correspondence and translation		70		
	58. Aathmakadha , Lekhanam		70		
	59. History of Syrian Church in India		70		
	60. **Prose & Mass Media**		70		
	61. **Kadhayum Kavithayum**		70		
	62. **History of Syriac Language & Literature**		70		
	63. Poetry, commercial correspondence and translation				
	64. Aathmakadha , Lekhanam				

	65. History of Syrian Church in India				
	Average weight scored ***Documentary evidences:*** *2. Semester wise result records from COE*		$(\frac{8240}{120})$ = 68.6	68.6	70
8.2	Percentage of students qualifying state/ national/ international level examinations for the last 5 years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/ State government examinations/ other examination) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students appeared for the exam}} \times 100$ UG: 10. 2018-19 11. 2019-20 12. 2020-21 PG: 4. 2018-19 5. 2019-20 6. 2020-21	 $(7/280) \times 100 = 2.5$ $(9/280) \times 100 = 3.2$ $(1/280) \times 100 = .3$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	 5 5 0 0 0 0		20
	Average weight scored ***Documentary evidences:*** *2. Year wise list of students qualifying each examination*		0	$(10/6)$ = 1.6	20
8.3.1 & 8.3.3	Average % of placement of outgoing students during last 3 years (Weightage distribution: 75% - 100% : 40 wt 50% - 74% : 30 wt 25% - 49% : 20 wt 1% - 24% : 10 wt $\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$ **UG:**	116 $(17/93) \times 100 = 18$ $(2/93) \times 100 = 2.1$	 10 10		40

	4. 2018-19 outgoing batch (till now) 5. 2019-20 outgoing batch (till now) 6. 2020-21 outgoing batch (till now) **PG:** 4. 2018-19 outgoing batch (till now) 5. 2019-20 outgoing batch (till now) 6. 2020-21 outgoing batch (till now)	$(5/93) \times 100 = 5.37$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	10 0 0 0		
	Average weight scored ***Documentary evidences:*** *Annual Report of Placement Cell*		30	$(30/6) = 5$	40
8.3.2 & 8.3.4	% of outgoing student progression to higher studies during last 5 years Weightage distribution: 75% - 100% : 30 wt 50% - 74% : 20 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of outgoing students progressing to higher education}}{\text{Total number of final year students in the programme}} \times 100$ **UG:** 4. 2018-19 outgoing batch (till now) 5. 2019-20 outgoing batch (till now) 6. 2020-21 outgoing batch (till now) **PG:** 4. 2018-19 outgoing batch (till now) 5. 2019-20 outgoing batch (till now) 6. 2020-21 outgoing batch (till now)	$(9/278) \times 100 = 3$ $(9/278) \times 100 = 3$ $(9/278) \times 100 = 3$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	5 5 5 0 0 0		
	Average weight scored ***Documentary evidences:*** *Alumni data base (batch wise file of data containing student name, programme, year of study, contact details with email and phone number, present status (employment/higher studies).*		$(15/3) = 5$	5	30
8.4.1	Number of students participated in sports at state/national/ international level during the last 3 years 4. International : 10 wt per student 5. National: 5 wt per student *6.* State : 3 wt per student	116 $10 \times 0 = 0$ $5 \times 4 = 20$ $3 \times 4 = 12$	32		20
	Documentary evidences:		32	20	20

	Participation certificates				
8.4.2	Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years 3. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 4. Intramural (1^{st} and 2^{nd} prices) : 5 wt per student	$10 \times 5 = 50$ $5 \times 0 = 0$	50		20
	Documentary evidences: *Award certificates*		50	20	20
8.4.3	Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 5 years 4. International : 10 wt per student 5. National : 5 wt per student 6. State : 3 wt per student	$10 \times 0 = 0$ $5 \times 0 = 0$ $3 \times 0 = 0$	0		20
	Documentary evidences: *Participation certificates*		0	0	20
8.4.4	Number of awards/ medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years 3. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 4. Intramural 1^{st} and 2^{nd} prices) : 5 wt per student	$10 \times 16 = 160$ $5 \times 0 = 0$	160		20
	Documentary evidences: *Award certificates*		160	20	20
8.4.5	Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$	$(334/552) \times 100 = 60$ $(138/266) \times 100 = 51$			

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	4. 2018-19 5. 2019-20 6. 2020-21	$(0/0) \times 100 = 100$	15 10 0		20
	Average weight scored ***Documentary evidences:*** *2. Letter from the agency/Any other documents relating to the activity*		$(25/3) = 8.3$	8.3	20
8.4.6	Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 5 years Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$ 4. 2018-19 5. 2019-20 6. 2020-21	$(0/280) \times 100 = 00$ $(0/280) \times 100 = 00$ $(0/280) \times 100 = 00$	0 0 0		10
	Average weight scored ***Documentary evidences:*** *2. List from the concerned teacher in charge (programme officer, NCC Officer, etc.)*		**0**	$(0/3) = 0$	10
8.4.7	Total number of academic events organized with professional societies/ chapters Example: **Name of the student** | **Name of society/chapter** | **Academic event organized** xx | | | | | | | | | 2 wt per event	$0 \times 2 = 2$	0		10
	Average weight scored ***Documentary evidences:*** 116 *4. Brochures of the events* *5. Photographs of the events* *6. Reports of the events*		0	0	10

8.4.8	(a) Organization of paper contests/design contests/ exhibition, etc. during the last 5 years by department organization 2 wt per one event –Maximum wt 10.	0 × 2 = 2	0		
	Average weight scored ***Documentary evidences:*** *3. Brochures* *4. Photographs*		0	0	10
8.4.9	Total number of UG/PG/PhD student publications in UGC approved research journals 5 wt per publication (Maximum 20 wt) 4. 2018-19 5. 2019-20 6. 2020-21	5×0 = 0 5×0 = 0 5×0 = 0	0 0 0		20
	Average weight scored ***Documentary evidences:*** *Copies of publications*		0	(0/3) = 0	20
8.4.10	(a) Total number of entrepreneurship initiatives during the last 5 years 5 wt per initiative 4. 2018-19 5. 2019-20 6. 2020-21	0×5 = 0 0×5 = 0 0×5 = 0			20
	Weight scored ***Documentary Evidences:*** *Report and photographs of each initiatives*	0	0/3 =0	0	20
	(c) Total number of product designs and innovations 5 wt per product or innovation 4. 2018-19 5. 2019-20 6. 2020-21	0 0 0		0	30
	Weight scored ***Documentary Evidences:*** *Project report with working model*	0	0/3 = 0	0	30

8.4.11	Average number of awards in inter – institute events/ intercollegiate fest/exhibition/ paper contests/design contests, etc. for students (1^{st}, 2^{nd}, 3^{rd} prices) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of students achieved in such contests}}{\text{Total number of students in the dept}} \times 100$ 4. 2018-19 5. 2019-20 6. 2020-21	$(0/280) \times 100 = 00$ $(0/280) \times 100 = 00$ $(0/280) \times 100 = 00$	0 0 0		10
	Average weight scored ***Documentary evidences:*** *Certificates of achievement*		0	$(0/3) = 0$	10.0
		Total		148.5	370

14. Faculty contributions 116

Metric No.			Weight	Cumulative Weight (Scored	Cumulative Weight (Maxim

				)	um)
9.3.1	(a) Percentage of full time teachers with Ph.D. Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{No. of teachers in the department registered for Ph. D.}}{\text{Total No. of teachers in the department having no Ph. D.}} \times 100$	$(2/10) \times 100 = 20$	5		20
	Average weight scored ***Documentary evidences:*** *2. Copy of Ph.D. certificate*		5	5	20
	(b) Percentage of full time teachers registered for Ph.D. after appointment (during the last 3 years) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{No. of teachers in the department awarded Ph. D.}}{\text{Total No. of teachers in the department registered for Ph. D.}} \times 100$	$(0/10) \times 100 = 0$	0		10
	Average weight scored ***Documentary evidences:*** *2. Copy of registration certificate (valid for five years from the date of registration)*		0	0	10
9.3.2.	Number of teachers awarded university/state/national/international fellowship (post-doctoral) for advancedstudies/research during the last 3 years International: 8 wt National : 6 wt State : 4 wt University : 2 wt 1. 2018-19 2. 2019-20 3. 2020-21 116	0×6 = 0 0×4 = 0 0×0 = 0 0×0 = 0	0		20

	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	20.0
9.3.3	Percentage of teachers recognized as research guides Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers with Ph. D.}} \times 100$	$(0/10) \times 100 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order*		0	0	20
9.6	Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years Weightage distribution: 4. 3 Ph.D.s awarded per teacher : 20 wt 5. 2 Ph.D.s awarded per teacher : 15 wt 6. 1 Ph.D. awarded per teacher : 10 wt $\frac{\text{Total number of Ph. D. degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$	$(0/0) = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order of award of Ph.D. degree*		0	0	20
9.7	Average percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, virtual lab etc. Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$	$(8/10) \times 100 = 80$	10		10
	Average weight scored ***Documentary evidences:*** *3. List of teachers*		10	10	10

	4. ICT resources prepared by each teacher in CD format/uploaded in the College website				
9.8	Faculty as participants/ resource persons in faculty professional development/ training Activities/ seminars/ workshops/ symposia/ conferences (national & international) International: 4. No. of faculties >10 : 10 wt 5. No. of faculties 5-10 : 5 wt 6. No. of faculties 1-5 : 2 wt National: 4. No. of faculties >10 : 5 wt 5. No. of faculties 5-10 : 3 wt 6. No. of faculties 1-5 : 1 wt	0 36	0 5		10
	Average weight scored ***Documentary evidences:*** *3. List of teachers* *4. Certificates of participation*		5	5	10.0
9.10.1	Number of research papers per teacher in the Journals notified on UGC website during the last 3 years Weightage distribution: 5. > 5 papers per teacher : 20 wt 6. 3-4 papers per teacher : 15 wt 7. 2 papers per teacher : 10 wt 8. 1 paper per teacher : 5 wt $\frac{\text{Total number of publications in the last 3 years}}{\text{Total number of teachers who published}}$	$(1/1) = 1$	5		20
	Average weight scored ***Documentary evidences:*** *Copy of the papers*		5	5	20
9.10.2	Number of books and chapters in edited volumes / books published (ISSN), and papers in national/international conference-proceedings (ISSN) per teacher during the last 5 years Weightage distribution: 4. 20 wt per book 5. 10 wt per book chapter 6. 4 wt per papers in national/ international conference - proceedings	$20 \times 0 = 0$ $10 \times 0 = 0$ $4 \times 0 = 0$	0 0 0		20
	Average weight scored ***Documentary evidences:*** *Copy of the books and chapters in edited volumes / books published, and papers in national/international conference-proceedings*		0	0	20
9.10.3	Sum of the bibliometrics of the publications during the last five years based on average				

	citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index Weightage distribution: 6. Citation index >10: 30 wt 7. Citation index 7.0-9.9 : 20 wt 8. Citation index 4.0-6.9 : 10 wt 9. Citation index 1.0-3.9 : 5 wt 10. Citation index 0.1-1 : 2 wt	0	0		30
	Average weight scored ***Documentary evidences:*** *Proof of citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index*		0	0	30
9.11.1	Number of Patents published/awarded Weightage distribution: 10 wt per patent	0× 10 = 0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of patent published/awarded*		0	0	20
9.12.1 & 9.12.3	Major Research projects sponsored by government sourcessuch as UGC, DST, DBT, KSCSTE, etc. and non-government sources such as industry, corporate houses, international bodies, endowments etc. (completed) Weightage distribution: 10 wt per MRP completed.	10 × 0 = 0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	20
9.12.2	Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees) (Completed) Weightage distribution: 5 wt per project completed	5 × 0 = 0	0		15
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	15
9.12.4	Revenue generated from Consultancy Weightage distribution: 5 wt per consultancy	5 × 0 = 0	0		15
	Average weight scored ***Documentary evidences:*** *3. Copy of MoU* *4. Copy of bank account statements*		0	0	15
9.12.5	Revenue generated from corporate training by the department during the previous year Weightage distribution: 5 wt per training programme	5 × 0 = 0	0		10

	Average weight scored ***Documentary evidences:*** *Copy of bank account statements*		0	0	10
9.13	Number of awards for innovation won by teachers Weightage distribution: 5 wt per award	5 × 0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	10
9.14	Faculty interaction with International Collaborations Weightage distribution: 10 wt per collaboration	10 × 0= 0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of MoU*		0	0	20
9.15.1	Membership in academic bodies in Universities / other colleges Weightage distribution: 5 wt per membership	5 × 0 =0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of membership approval letter/email/order*		0	0	10
9.16	Reviewer/Editors of International and national journals/Books (ISSN) Weightage distribution: International: 3. 5 wt per editorship 4. 2 wt per reviewership National: 3. 3 wt per editorship 4. 1 wt per reviewership	5 × 0 = 0 2 × 0 = 0 0× 0 = 0 0× 0 = 0	0 0 0 0		10
	Average weight scored ***Documentary evidences:*** *Copy of invitation letter/email/order from the journal to become reviewer/editor*		0	0	10
9.17	Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 5 years Average hours spent by each faculty:				

	$\left(\frac{\text{Total hours spent by all the faculties in an year}}{\text{Total number of faculties}}\right)$ 7. Greater than 200 hrs : 20 wt 8. 100 to 200 hrs : 15 wt 9. 50 to 100 hrs : 10 wt 10. 10 to 50 hrs : 5 wt 11. 1 to 10 hrs : 2 wt 12. 0 hrs : 0 wt	0	0		20
	Average weight scored ***Documentary evidences:*** *3. List of faculties involved* *4. Copy of relevant certificates/orders/other documents duly signed by the Principal*		0	0	20
9.18	Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$	$(0/10) \times 100 = 0$	0		10
	Average weight scored ***Documentary evidences:*** *Copy of relevant certificates/orders/other documents duly signed by the Principal*		0	0	10
		Total		25	340

15. Academic Support Units and Teaching-Learning-Evaluation Process

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
10.1.1.	Ratio of mentor to students for academic and stress related issues (Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of mentors}}{\text{Total number of teachers in the department}} \times 100$	$(10/10) \times 100 = 100$	20		20
	Average weight scored ***Documentary evidences:*** *3. List of students under each mentor* 4. *Documentary evidences on mentor:mentee interactions*		20	20	20
10.1.2	Indicate whether the department has an effective student grievance addressing system or not. 3. Yes – 10 wt 4. No – 0 wt	Yes	10		10
	Average weight scored ***Documentary evidences:*** *3. List of students registered complaints* *4. Copies of action taken reports*		10	10	10
10.2.1	Tutorial classes to address student questions Average no. of tutorial classes conducted per teacher in an year: 6. 16 – 20 classes : 10 wt				

	7. 11 – 15 classes : 8 wt 8. 6 – 10 classes : 6 wt 9. 3 – 5 classes : 4 wt 10. 1 – 2 classes : 2 wt $\frac{\text{Total number of tutorial classes conducted}}{\text{Total number of teachers conducted tutorial classes}}$	4.5	4		10
	Average weight scored ***Documentary evidences:*** *2. Attendance register of students*		4	4	10
10.2.6	Describe the number of capability enhancement and development programmes Weightage distribution: 2 wt per programme	$2 \times 7 = 14$	14		10
	Average weight scored ***Documentary evidences:*** *3. Brochures of the programmes* *4. Attendance register of students*		14	10	10
10.2.6.3	Average percentage of students participated for competitive examinations and career counseling offered by the department/college during the last 3 years (e.g. feel employable programme) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(30/280) \times 1 = 10.7$ $(28/280) \times 1 = 7.8$ $(11/280) \times 1 = 3.9$	5 5 5		20
	Average weight scored ***Documentary evidences:*** *3. Brochures of the programmes* *4. Attendance register of students*		15	(15/3) = 5	20
10.2.9	Does the department have a system to check malpractices and plagiarism 3. Yes – 10 wt 4. No – 0 wt	No	0		10
	Average weight scored ***Documentary evidences:*** *3. Web-link of the plagiarism detection*		0	0	10

	software 4. *Action taken report*				
		Total		49	80

12.Events in Departments

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
12.1.1	Average number of national/international seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years Weightage distribution: International: 3. 2 – 4 programmes: 20 wt 4. 1 – 2 programmes: 10 wt National: 3. 2 – 4 programmes: 10 wt 4. 1 – 2 programmes: 5 wt 1. 2018-19 2. 2019-20 3. 2020-21	5 5 5	5 5 5		20
	Average weight scored ***Documentary evidences:*** *5. Brochure of the programme* *6. Photos of the programmes* *7. Reports of the programme* *8. Copy of publication of proceedings*		15	15/3 = 5	20
12.1.2	Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 3 years Weightage distribution: 10 wt per summer school programme	10 × 0 = 0			10
	Average weight scored ***Documentary evidences:*** *4. Brochure of the programme* *5. Photos of the programme* *6. Reports of the programme*		0	0	10
12.1.3	Average number of awards for innovation won by department during the last 3 years Weightage distribution: 5 wt per award	5 × 0 = 0			10
	Average weight scored ***Documentary evidences:*** *Copy of award certificate*		0	0	10

12.1.4	Average number of academicians visited for talks or lectures Weightage distribution: 2 wt per programme	2 × 12 =24			10
	Average weight scored ***Documentary evidences:*** *4. Brochure of the programme* *5. Photos of the programme* *6. Reports of the programme*		24	10	10
12.2.1	Number of Collaborative activities for research, faculty exchange,student exchange during the last 5 years (other than faculty collaborations) Weightage distribution: 10 wt per collaboration	10 × 0 = 0			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such programmes*		0	0	20
12.2.2	Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 3 years Weightage distribution: 5 wt per MoU	5 × 0 = 0			10
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such linkage programmes*		0	10	10
12.2.3	Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 5 years (only functional MoUs with ongoing activities to be considered Weightage distribution: 5 wt per MoU	5 × 0 = 0			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's*		0	0	20
12.3.1	Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government, department scholarships) during the last 3 years 116 (Weightage distribution: 30% - 40% : 20 wt 20% - 29% : 15 wt				

	10% - 19% : 10 wt 1% - 9% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(2/280) \times 1 = 0.7$ $(2/280) \times 1 = 0.7$ $(2/280) \times 1 = 0.7$	0 0 0		20
	Average weight scored ***Documentary evidences:*** *Agreement of the Scheme with the Stakeholders*		$(0/3) = 0$	0	20
12.4	Fund generated by the department (e.g. SARD scheme of KSCSTE) Weightage distribution: 10 wt per project	$10 \times 0 = 0$			20
	Average weight scored ***Documentary evidences:*** *4. Sanction/concurrence letters/orders* *5. Bank account statements* *6. Cash Register*		0	0	20
12.5	Total number of employability training programmes conducted by the department during the last 5 years and the total number of students attended the programme Weightage distribution: 5 wt per programme	$5 \times 0 = 0$			10
	Average weight scored ***Documentary evidences:*** *3. Brochures* *4. List of students programmewise*		0	0	10
12.6	Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes Weightage distribution: 2 wt per programme	$2 \times 0 = 0$			10
	Average weight scored ***Documentary evidences:*** *Copy of participation certificates*		0	0	10
12.7	Details of extension activities of regular nature organized by the department in adopted villages Weightage distribution: 5 wt per programme	$5 \times 3 = 15$			20
	Average weight scored		15	15	20

	Documentary evidences: *4. Brochures of the programme* *5. Photos of the programme* *6. Reports of the programme*				
12.8	Details of activities organized by the department to promote universal values Weightage distribution: 2 wt per programme	2 ×4 = 8			10
	Average weight scored ***Documentary evidences:*** *4. Brochures of the programme* *5. Photos of the programme* *6. Reports of the programme*		8	8	10
12.9	Total number of cultural activities/ competitions organized by the department during the last 3 years Weightage distribution: 2 wt per activity	2 ×33 = 66			10
	Average weight scored ***Documentary evidences:*** *4. Brochures of the programme* *5. Photos of the programme* *6. Reports of the programme*		66	10	10
12.10	Alumni contribution during the last 5 years (Amount in Rupees) Amount: 8. > 5 Lakhs : 20 wt 9. 1-5 Lakhs : 10 wt 10. 0.5 – <1 Lakh : 5 wt 11. < 0.5 Lakhs : 1 wt	Rs. 0.00	0	0	30
	Average weight scored ***Documentary evidences:*** *4. Copy of cheques, DD's etc. obtained from Alumni* *5. Bank account statements* *6. Cash register*		0	0	30
		Total		58	230

Feedback

10.2.3	Feedback received from: 1) Students – 3 wt 2) Teachers – 3 wt 3) Employers – 3 wt 4) Alumni – 3 wt 5) Parents – 3 wt for design and review of syllabus - Semester wise /year wise.	0 0 0 0 0	0		15
	Average weight scored		0	0	15

	Documentary evidences: *3. Feedback reports* *4. List of corrective measures taken*				
		Total		0	15

Qualitative Matrices:

Part – C

12. Vision, Mission and Programme Outcomes

13. Programme Specific Outcomes with global relevance for developmental needs

14. Programme Curriculum

14.1. Curriculum

14.2. ..... Components of Curriculum and their relevance to PSOs and POs

14.3. Core subjects and their relevance to Program outcomes

14.4. Course Syllabus

14.5. ..... Measures and processes used to identify the curricular gaps to the attainment of the COs/PSOswith global relevance for developmental needs.

14.6. ..... Vertical mobility of programmes

14.7. content beyond syllabus imparted for the attainment of the COs/PSOs

9. Faculty Contributions

9.4. Faculty competencies in correlation to Programme Specific Criteria

9.5. Academic Calendar and Teaching plans

16. Continuous improvements

11.8. Improvement in Success Index of Students

11.9. Improvement in Academic Performance Index of Students

11.10. Improvement in Student-Teacher Ratio

11.11. Enhancement of Faculty Qualification Index

11.12. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

11.13. Continuing Education

11.14. New Facility Created

13. SWOT analysis

14. Student Perception

15. Any other relevant points included by the peer team

Score Calculation:
Maximum total weight of Qn. Matrices = 1125 (75% of the maximum total weight)
Maximum total weight of Ql. Matrices = 375 (25% of the maximum total weight)
Maximum total weight = 1125 + 375 = 1500
Maximum CGPA $= 4.0$
Scored weight of Qn. Matrices = 290.8
Scored weight of Qn. Matrices = xxx
Scored total weight = Scored weight of Qn. Matrices + Scored weight of Qn. Matrices
= 290.8+ xxx
= yyy

$$\text{Obtained CGPA} = \left(\frac{\text{yyy}}{1500}\right) \times 4$$
$$= \left(\frac{\text{yyy}}{1500}\right) \times 4$$
$$\text{Obtained CGPA} = \text{zzz}$$

Range of Departmental Cumulative Grade Point Average (CGPA)	Grade
3.51 – 4.00	A++
3.26 – 3.50	A+
3.01 – 3.25	A
2.76 – 3.00	B++
2.51 – 2.75	B+
2.01 – 2.50	B
1.51 – 2.00	C
≤ 1.50	D

CMS COLLEGE (AUTONOMOUS) KOTTAYAM

DEPARTMENT SELF – ASSESSMENT REPORT (DSAR) MANUAL

DEPARTMENT OF PHYSICAL EDUCATION

October 2021

DEPARTMENTSELF – ASSESSMENTREPORT (DSAR) MANUAL

The Department Self Assessment Report (DSAR) is intended to shed light into the current status of the department in terms of its Strength, Weakness, Opportunities and Threats. As such, the department is expected to provide accurate data and observations that reflect the true and real status of the department. The data that will be collected from the department would fall into three parts.

- **Part A** : Basic data of the department (will not be used for assessment)
- **Part B** : Data about infrastructure, governance, financial status (will not be used for assessment)
- **Part C** :Data collected in this part will be used for assessment and accreditation.

The department should provide data for the academic years 2013-14, 14-15, 15-16, 16-17, 17-18 (past 5 years) separately under each relevant question and for each UG and PG programmes offered.

The department need not supply the supporting documents while submitting the DSAR, but should keep them in original for peer team assessment. After the assessment, softcopies/scanned copies of supporting documentsmust be sent to dsar@cmscollege.ac.in within a week of assessment.

For queries, please e-mail to dsar@cmscollege.ac.in.

PART A

35. Departmental Information

35.1. ..... Name and address of the department - PHYSICAL EDUCATION

35.2. ..... Name, designation, telephone number, and e-mail address of the head/contact person.

Dr.Jackson Paul V Assistant Professor, mob ;9447254680 jacksonpaulv@gmail.com

35.3. ..... History of the department including dates of introduction and number of seats ofvarious programmes of study.

(Instruction: History of the institution and its chronological development along with the records of past accreditation need to be listed here.)
Department Started from -1952.

UG Aided stream-11x2=22UG Self financing –5x2=10
UG Total =32

PG Aided –M A = 3, M.Sc =6,M.Com =1, UG Self financing – M A =1,Msc=2
P G Total =13

35.4. ..... Mission and Vision of the department:

MISSION: To provide a well organized system that will aid student's passion for sports. We aim to build an environment that provides ample recognition to sports players by providing them with a career to match their passion.

Toaccomplish our mission, we: **Motivate. Build. Promote.**

VISION: To use sports as an essential and sustainable tool to mold a healthy generation trigging the path to social development.

35.5. ..... List of the programmes/ departments which share human resources and/or the facilities of this department/ programme (in %).

(Instruction: Institutes needs to mention the different programs which share the human resources and facilities with the department/ programme being accredited.)

35.6. ..... Total number of students:

35.7. ..... Total number from other states and countries:

35.8. ..... Total number of differently abled students:

35.9. ..... Minimum and maximum number of staff on roll in college, during the current and five previous academic years in the department:

(A tabular format may be used)

35.10. ..... Details of full time teachers against sanctioned posts

(Position sanction letters verified by DCF of AISHE or the concerned authority, Soft copy of appointment letters of faculties during 5 years, Pan No. of faculties)

35.11. Full time teachers from other states against sanctioned posts(Softcopy of supporting document)

35.12. Faculty experience

Name of the Full-time teacher	PAN	Designation	Year of appointment	Total years of Experience as on 31/03/2021	Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution

1.Dr.Charles A Joseph	AMQPJ6144E	Assistant Professor	21-02-2011	10 Years , 9 months	Yes
2.Dr. Jackson Paul V	AEBPV1031P	Assistant Professor	06-06-2011	10years, 5months	Yes

35.13. Total number of differently abled teachers: Nil

35.14. Percentage of full time teachers with Ph.D.

Formula:

Percentage **=100%**

$$\frac{\text{Number of full time teachers in the department with Ph. D.}}{\text{Total number of full time teachers}} \times 100$$

Name of full time teacher with PhD	Number of full time teachers with PhD	Total number of full time teachers
Dr.Charles A Joseph	2	2
Dr.Jackson Paul V		

35.15. Is the department an approved research centre by University / National / International bodies?NO

(Yes/No; provide order number with year and name of affiliating University)

35.16. Summary of budget for the Previous Financial Year (PFY) and the actual expenditure incurred in the PFY.

35.17. Summary of budget for the Current Financial Year (CFY).

PART B

36. Facilities and Technical Support

36.1. ..... Class rooms in the Department

36.1.1. ..... Adequat e number of rooms for lectures (core/electives), seminars, tutorials, etc.for the program

NIL

Purpose of the class rooms	No. of existing classrooms	No. of class rooms required
lectures	Nil	
Seminars	Nil 116	
Tutorials	Nil	

Total number of classrooms required	**1**

36.1.2. ..... Teaching aids – multimedia projectors, etc.

(Provide a description with the number of existing classrooms with such facilities and lack of thereof, if any)

Type of facility	**No. of existing classrooms with the facility**	**No. of class rooms with the facility required**
Multimedia projector	1	1
Screen	1	1
Smart boards	Nil	1
Wireless microphone	Nil	1
Speaker	1	
Computer	1	1
UPS	1	1
Server	Nil	
Document camera	Nil	1
Educational softwares	1	3
WIFI/LAN facilities	1	
Total number of classrooms with teaching aids required		**1**

36.1.3. ..... Acoustics, class room size, conditions of chairs/benches, air circulation, lighting, exits, ambiance, and such other amenities/facilities

(Provide a description of the facilities and amenities classroom wise)

One Class room For Conduct Various activities and open course Classes

36.1.4. Seminar halls with ICT facilities NO

Type of facility	**No. of existing seminar halls with the facility**	**No. of seminar halls with the facility required**

Multimedia projector	Nil	
Screen	Nil	
Smart boards	Nil	
Wireless microphone		
Speaker		
Computer		
UPS		
Server		
Document camera		
Educational softwares		
WIFI/LAN facilities		
Total number of seminar halls with ICT facilities required		**1**

36.2. ..... Faculty Rooms in the Department

36.2.1. ..... Availability of individual faculty rooms

(Provide a description)One 20/13 feet.

36.2.2. ..... Room equipped with white/black board, computer, Internet connectivity, adequate number of plug points, UPS connectivity and such other amenities/facilities

(Provide a description with number of facilities and lack of thereof, if any)

UPS, One desktop Computer

36.2.3. ..... Usage of room for discussion/counseling with students

Yes 1

36.3. ..... Laboratories in the Department to meet the Curriculum Requirements and the PSOs

36.3.1. ..... Adequate, well-equipped laboratories to meet the curriculum requirements and the PSOs

One Physiology Lab

36.3.2. ..... Adequate, well-equipped laboratories to conduct research projects

(Provide a description with the number of laboratories and lack of thereof, if any)

36.3.3. ..... Equipments to run experiments and their maintenance, Number of students per experimental set up, Size of the laboratories, overall ambience etc.

(Provide both quantitative and qualitative information)

Name of the equipment	Number of students per equipment/	Size of the Courts
Badminton	**Racquets and Net**	**15m/15m**
Table tennis	**Table tennis board & Racquets**	**1 room 6X6 mts**
Gymnasium	**Circuit training Machines**	**To Extend 8 mts**

36.3.4. ..... Availability of computing facilities in the department

Number of computer labs	Number of computers	Number of UPS	Number of servers	Internet connectivity (yes/no) Speed (mb/ps)	Access to e-resources (yes/no)	Student : Computer ratio
Nil	1	1	0	1	0	0

(Provide a description with the number of computers and related facilities, adequate space for laboratory etc. and lack of thereof, if any)

36.3.5. ..... Availability of laboratories with technical support within and beyond working hours

(Provide a description of the type and extent of technical support lent to the laboratories, number of such laboratories, number of technicians assigned to each laboratory and lack of thereof, if any)

36.4. ..... Technical Manpower Support in the Department= No

36.4.1. ..... Availability of adequate and qualified technical supporting staff for program specific laboratories and lack of thereof, if any.

One Marker for marking the Ground and maintaining the equipments.

36.4.2. ..... Incentives, skill-up gradation and professional advancement.

37. Infrastructure, Governance, Institutional Support and Financial Resources

37.1. ..... Campus infrastructure and facility

37.1.1. ..... Maintenance of academic infrastructure and facilities

(Provide a description of the current situation and a history over the last 5 years)

37.1.2. ..... Hostel (boys and girls), transportation facility, and canteen

(Provide a description of the current situation with the number of students obtained hostel, transportation and canteen facilities and a history over the last 5 years)

37.1.3. ..... Electricity, power back up, telecom facility, drinking water, and security

(Provide a description of the current situation and a history over the last 5 years)

37.2. ..... Organization, Governance and Transparency

37.2.1. ..... Governing body, administrative setup, and functions of various bodies and cells

(Provide information about the department level bodies and committees)

37.2.2. ..... Defined rules, procedures, recruitment, and promotional policies, etc.

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

37.2.3. ..... Decentralization in working, including delegation of financial power and grievance redressal system

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

37.2.4. ..... Transparency and availability of correct/unambiguous information disseminated among the department staff

37.3. ..... Budget Allocation, Utilization and public Accounting

37.3.1. ..... Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

37.3.2. ..... Utilization of allocated funds

(Provide description with numbers related to utilization)

37.4. ..... Programme Specific Budget Allocation, Utilization

37.4.1. Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

37.4.2. Utilization of allocated funds

(Provide description with numbers related to utilization)

37.5. Facilities: Animal House/Green House / Museum, Fabrication facility, Media laboratory/Business Lab/Studios, Research/Statistical Databases(Year of establishment, Hyperlink of videos and pictures (geotagged) – verified from DCF of AISHE)

37.6. ..... Library

37.6.1. Library space and ambience, timings and usage, availability of a qualified librarian and other staff, library automation, online access, networking, specialized facilities (ILL, download, printing, facilities for differently abled students) etc.

(Provide description)

37.6.2. Titles and volumes per title of books, journals and periodicals.

(List the titles and volumes per title)

37.6.3. Scholarly journal subscription

(List the details of journals including publisher, ISBN number, broad range of study, specific field of study, how the subscription of a specific journal is beneficial for faculty and students)

37.6.4. Digital Library

37.6.5. Library expenditure on books, magazines/journals, and miscellaneous contents

(Provide description with numbers related to expenditure)

37.6.6. Number of withdrawal of books by students in the previous year*****

Formula:

$$\frac{\text{Number of withdrawal of books from department library in previous year}}{\text{Total number of students}} \times 100$$

$$\frac{\text{Number of withdrawal of books from College library in previous year}}{\text{Total number of students}} \times 100$$

*Source: Issue register

37.7. ..... Internet

Good.

37.8. ..... Safety norms

37.8.1. Checks for wiring and electrical installations for leakage and earthing.

(Provide description)

37.8.2. Fire-fighting measurements: Effective safety arrangements with emergency / multiple exits and ventilation / exhausts in auditoriums and large classrooms / laboratories, fire-fighting equipment and training, availability of water, and other such facilities.

Not Available

37.8.3. Safety of civil structure

(Provide description)

37.8.4. Handling of hazardous chemicals and such other activities

(Provide description and issues, if any)

37.9. ..... Counseling and Emergency Medical Care and First-Aid- First Aid Available

37.9.1. Availability of counseling facility

Yes

37.9.2. Arrangement of emergency medical care

Yes

37.9.3. Availability of First Aid Unit

Yes

PART C

38. Programme Specific information

38.1. ..... Name of the Programme

(List name of the programme, as it appears on graduate's certificates and transcript, and abbreviation used for the programme)

38.2. ..... Title of the Degree

(List name of the degree, as it appears on graduate's certificates and transcript, and abbreviation used for the degree).

38.3. ..... History of the programme

(Provide description)

38.4. ..... Deficiencies, weaknesses/concerns and challenges from previous accreditations of NAAC

(Provide description)

38.5. ..... Total number of students in the programme:

(Instruction: Total number of students, both boys and girls, has to be listed here. The data may be categorized in tabular form under graduate, post graduate, Doctoral Degree, or other program, if applicable.)

Year	Total number of students in UG programme		Total number of students in PG programme		Total number of students in Ph.D. programme		Total number of students in diploma/ certificate/ other programmes	
	Male	Female	Male	Female	Male	Female	Male	Female

39. Vision, Mission and Programme Outcomes

39.1. ..... Vision and Mission

39.1.1. State the Mission and Vision of the College and department in relation to programme outcomes

Providing them with a career to match their passion.

39.1.2. Indicate how and where the Vision and Mission are published and disseminated

Over all Developments

39.1.3. Mention the process for defining Vision and Mission of the department

Over all Personality

39.2. ..... Program Outcomes

39.2.1. Describe the Programme Outcomes (POs)

(List and articulate the program outcomes of the program under accreditation)

39.2.2. State how and where the POs are published and disseminated

(Describe in which media (e.g. websites, curricula books) the POs are published and how these are disseminated to stakeholders)

39.2.3. List Stakeholders of the Program

(List stakeholders of the program under consideration for accreditation and articulate their relevance)

39.2.4. State the process for establishing POs

(Describe the process that periodically documents and demonstrates that the POs are based on the needs of the program's various stakeholders.)

39.2.5. Establish consistency of POs with Mission

(Describe how the PO's are consistent with the Mission of the department.)

39.3. ..... Attainment of Program Outcomeswith global relevance for developmental needs

39.3.1. Justify the contributions of the Programme Curriculum towards attainment of POs

(Describe the broad curricular components that contribute towards the attainment of the POs.)

39.3.2. Explain how administrative system helps in ensuring the attainment of POs

(Describe the committees and their functions, working process and related regulations.)

39.3.3. Indicate the additional co-curricular activities undertaken towards the attainment of the POs

39.4. ..... Assessment of the attainment of Programme Outcomeswith global relevance for developmental needs

39.4.1. Indicate tools and processes used in assessment of the attainment of POs

Describe the assessment process that periodically documents and demonstrates the degree to which the PO's are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each PO is based. Examples of data collection processes may include, but are not limited to, employer surveys, graduate surveys, focus groups, industrial advisory committee meetings, or other processes that are

relevant and appropriate to the programme; the frequency with which these assessment processes are carried out.

39.4.2. Provide the evidence of the achievement of POs

The expected level of attainment for each of the PO.

Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the PO is being attained; and how the results are documented and maintained.

39.4.3. Indicate how the POs have been redefined the past

40. Programme Specific Outcomeswith global relevance for developmental needs

40.1. ..... Definition and Validation of Course Outcomes and Programme Specific Outcomes

40.1.1. List the Course Outcomes (COs) and Programme Specific Outcomes (PSOs)

(List the Course Outcomes (CO) of the courses in programme curriculum and programme specific outcomes (PSO) of the programme under accreditation)

40.1.2. State how and where the PSOs are published and disseminated

(Describe in which media (eg. websites, curricula, books etc.) PSOs are published and how the same is disseminated among stakeholders).

40.1.3. Indicate processes employed for defining PSOs

(Describe the process that periodically documents and demonstrates that the PSOs are defined in alignment with the graduate attributes of NAAC)

40.1.4. Indicate how defined PSOs aligned to Graduate Attributes prescribed by UGC

(Indicate how the PSOs defined for the programme are aligned with the Graduate Attributes of UGC)

40.1.5. Establish the correlation between PSOs and POs

Explain how the defined PSOs of the programme correlate with the POs

40.2. ..... Attainment of Programme Specific Outcomes

40.2.1. Illustrate how Course outcomes (CO) contribute to PSOs

(Provide the correlation between the course outcomes and the programme specific outcomes. The strength of correlation may also be indicated)

40.2.2. Explain how modes of delivery of courses help in attainment of PSOs

(Describe the different course delivery methods/ modes, e. g. lectures interspersed with discussion, asynchronous mode of interaction, group discussion projects etc., used to deliver the courses and justify the effectiveness of these methods for the

attainment of PSOs. This may be further justified using the indirect assessment methods such as course-end surveys.)

40.2.3. Indicate the extent to which the laboratory and project course work are contributing towards the attainment of the PSOs

(Justify the balance between theory and practical for the attainment of PSOs. Justify how the various project works (a sample of 20% best and average projects from total projects) carried as part of the programme curriculum contribute towards the attainment of the PSOs.)

40.3. ..... Assessment of the Attainment of Program Specific Outcomes

40.3.1. Describe assessment tools and processes used for assessing the attainment of each PSO

(Describe the assessment process that periodically documents and demonstrates the degree to which the PSOs are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each the PO is based. Examples of data collection processes may include, but are not limited to, specific exam questions, student portfolios, internally developed assessment exams, senior project presentations, nationally-normed exams, oral exams, focus groups, industrial advisory committee; the frequency with which these assessment processes are carried out.)

40.3.2. Indicate results of assessment of each PSOs

a) The expected level of attainment for each of the program outcomes;

b) Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the programme outcomes are attained; and

c) How the results are documented and maintained.

40.4. ..... Use of Assessment results towards improvement of programme

(Articulate, with rationale, how the results of the evaluation of the PSOs have been used to review/redefine the PSOs)

41. Program Curriculum

41.1. ..... Curriculum

41.1.1. Describe the Structure of the Curriculum

(List the course outcomes of the courses in programme curriculum and programme specific outcomes of the programme under accreditation)

41.1.2. Justify how the program curriculum satisfies the program specific outcomes

41.2. ..... State components of Curriculum and their relevance to PSOs and POs

(Program curriculum grouping based on different components).

41.3. ..... State Core subjects and their relevance to Program outcomes

41.4. Course Syllabus

(Include, in appendix, a syllabus for each course used. Syllabi format should be consistent and shouldn't exceed two pages.)

The syllabi format may include:

- Department, course number, and title of course
- Designation as a required or elective course
- Pre-requisites
- Contact hours and type of course (lecture, tutorial, seminar, project etc.)
- Course Assessment methods (both continuous and semester end assessment)
- Course outcomes
- Text books, and/or reference material

41.5. ..... Illustrate the measures and processes used to identify the curricular gaps to the attainment of the COs/PSOswith global relevance for developmental needs.

Organizing curriculum that reflects the experience of the students

(Details of the processes used to curricular gaps to the attainment of defined course outcomes and programme).

41.5.1. Syllabi revision –No: of programs added/dropped year wise.

Year of Introduction of the programme	If revision has been carried out in the syllabus during last 5 years	Year of revision	Title and code of the course added	Title and code of the course dropped	Percentage of Syllabus content added or replaced	Link of the relevant document

(Link of relevant document, Academic Council meeting minutes)

41.6. Vertical mobility of programmes

(Explain how and when mobility windows are provided during the course of a programme, how the students benefited the vertical mobility of programmes, what are the challenges and limitations etc.)

41.7. Indicate the content beyond syllabus imparted for the attainment of the COs/PSOs

(Details of content beyond syllabus imparted for the attainment of the COs/PSOs. This information may be provided course wise or modular wise)

41.8. Percentage of courses having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations for the last 5 years

Note: Calculate the percentage for courses addressing each issue separately.

41.8.1. UG programme[$]

Formula:

$$\text{Percentage} = \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$$

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations

[$] If there are more than one UG programme in a department, provide the data and the percentage for them separately.

41.8.2. PG Programme[$$]

Formula:

$$\text{Percentage} = \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$$

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations

[$$] If there are more than one PG programme in a department, provide the data and the percentage for them separately.

41.9. ..... New courses introduced:Certificate/Diploma, Twinning/Dual Degree Programme, Double Main/Triple Main, Open Courses, etc.

Name of the course	Year of Introduction	Aided/ Self-financing	Relevance to PSO and POs

(Documents of course approval or tie up if any,Minutes of AC/BOS)

41.10. Number of programmes withCBCS/elective course system implementedyear wise

Name of the programme	Title and code of the elective course	Number of hours and credit of the course	Relevance to POs and PSOs.

(Minutes of the BOS)

41.11. Number of value-added courses (with 30 or more contact hours) imparting transferable and life skills offered & percentage of students enrolled in those courses during the previous academic year

Formula:

Percentage of students enrolled in value added courses = $\frac{\text{Number of students enrolled in the courses in the last 5 years}}{\text{Total number of courses in all programmes}} \times 100$

Year -				
Name of the value added courses (with 30 or more contact hours)offered during last 5 years	**Course Code**	**No. of times offered during the same year**	**Number of students enrolled in the year**	**Number of Students completing the course in the year**

41.12. Employability/ entrepreneurship / skill development

41.12.1. Percentage of courses in UG programme having focus on employability / entrepreneurship / skill development for the last 5 years¶

Formula:

Percentage = $\frac{\text{Number of courses with focus on employability / entrepreneurship / skill development}}{\text{Total number of courses in the UG programme}} \times 100$

Name of the Program	Name of the Course	Year of introduction	Year of discontinuation	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development

¶ If there are more than one UG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

41.12.2. Percentage of courses in PG programme having focus on employability / entrepreneurship / skill development for the last 5 years¶

Formula:

$$\text{Percentage} = \frac{\text{Number of courses with focus on employability / entrepreneurship / skill development}}{\text{Total number of courses in the UG programme}} \times 100$$

Name of the Program	Name of the Course	Year of introduction	Year of discontinuation	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development

¶ If there are more than one PG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

41.13. Industry interaction/internship

(Give the details of industry involvement in the program such as industry attached laboratories and partial delivery of courses and internship opportunities for students).

41.13.1. Percentage of UG students undertaking field projects/internships in other institutions

Formula:

$$\frac{\text{Number of UG students undertaking field projects or internships}}{\text{Total number of UG students}} \times 100$$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out

41.13.2. Percentage of PG students undertaking field projects/internships in other institutions

Formula:

$$\frac{\text{Number of PG students undertaking field projects or internships}}{\text{Total number of PG students}} \times 100$$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out

42. Result andStudents Performance

42.1. ..... Success Rate (Result)

Formula:

Pass percentage = $\frac{\text{Total number of students who passed the course examination in a year}}{\text{Total number of students appeared for the course examination in a year}} \times 100$

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

UG Subsidiary Courses

Semester	Course title and code	Number of students appeared for the course	Number of students passed the course	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

		examination	**examination**							

UG Open Courses

Semester	**Course title and code**	**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**	**Number of students with grade**					
					A	**B**	**C**	**D**	**E**	**F**
5th Semester	Physical Health and Life Skill Education									
2018-19		20	20	100	6	6	6	2		
2019-20		20	20	100	3	6	5	6		
2020-21		21	21	100	3	11	6	1		

UG Common Courses

Semester	**Course title and code**	**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**	**Number of students with grade**					
					A	**B**	**C**	**D**	**E**	**F**

UG Additional Language Courses

Semester	**Course title and**	**Number of students**	**Number of students**	**Pass percentage**	**Number of students with grade**

	code	appeared for the course examination	passed the course examination		A	B	C	D	E	F

PG Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

42.2. ..... Academic Performance

42.2.1. Percentage of students qualifying state/ national/ international level examinations during the last 5 years (eg: NET/SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations/ other examination)

Formula:

Percentage =

$$\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students who have appeared for the exam}} \times 100$$

Academic year:

Registration number/roll number for the exam	Number of students selected/ qualifying								
	NET	SLET	GATE	GMAT	CAT	GRE	TOFEL	Civil Services	State government examinations

42.3. ..... Placeme nt and Higher Studies

42.3.1. Percentage of placement of outgoing students from UG programme during the last 5 years[$$]

Formula:

Percentage =

$$\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$$

Number of students placed	Name of the employer with contact details	Package received

[$$] If the department offers more than one UG programme, provide the data and the percentage for each programme

42.3.2. Percentage of student progression from UG programme to higher education, i.e. UG to PG (previous graduating batch)[##]

Formula: $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Name of program graduated from	Number of students enrolling into higher education	Name of institution joined	Name of program admitted to

[##]If the department offers more than one UG programme, provide the data and the percentage for each programme

42.3.3. Percentage of placement of outgoing students from PG programme during the last 5 years[$$]

Formula:

Percentage = $\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$

Number of students placed	Name of the employer with contact details	Package received

[$$] If the department offers more than one PG programme, provide the data and the percentage for each programme

42.3.4. Percentage of student progression from PG programme to higher education , i.e. PG to M.Phil./PhD (previous graduating batch)[##]

Formula: $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Name of program graduated from	Number of students enrolling into higher education	Name of institution joined	Name of program admitted to

[##]If the department offers more than one PG programme, provide the data and the percentage for each programme

42.4. Extra-curricular Activities

(Instruction: Student support system concerned may provide data for the past five years)

42.4.1. Number of students participated in sports at intercollegiate / University / state/ national / international level during the last 5 years

Number of students participated in sports at intercollegiate / University / state/ national / international level during the last 5 years

	2018-19			
	Name of the event	**Name of the student**	**Regional/State/ National/ International**	**AADHAR / Student ID number**
1	Chess Men	HARIKRISHNAN A SANJAY S PILLAI AMAL C T GABRIEL BENNY MATHAI ROBIN THOMAS JONES GAUTHAM KRISHNA	M G University Inter- Zone Champions South Zone Champions	
2	Chess Women	SAHANA M JERIN M JUSTIN ADINA SARA JOSEPH HARITHA K V NIDHIA SEBASTIAN	M G University Inter- Zone Champions	

3	Kabaddi (Men)	AMALJITH C K SURAG S GOKUL K V ADWAITH S VINAYAK J VISHNU SALU FEBIN KUMAR K P ASWIN RAJU YEDULAL J K AMITH GOSH MOHAN MANEESH P R ANEESH SURESH BABU	M G University Inter- Zone Champions		
4	Cricket Men	ABHISHANKER S	M G University Inter- Zone Champions		
		SOBIN THOMAS	KCPL All Kerala Second Position Second Position		
		DONNY AUGUSTINE			
		ARAVIND RAJESH			
		SANJAY P SUNIL			
		GIREESH P G			
		AKASH C PILLAI			
		BOVAS M JUSTIN			
		Abhay Jotin			
		Sijomon Josaeph			
		Ajith Jacob			
		RAHUL M JOSEPH			
		SAHIL S			
		UNNIMON SABU			
		VYSAKH K KUMAR			
		GOKUL RAJ			
5	Wrestling women	RUBEENA MOL T A HARITHA S 116 JEHAN MARY JACOB	M G University Inter- Zone Champions		

		ATHULYA B		
		GAYATHRI GIREESH KUMAR		
		JOSHLY SAM		
		ASWATHY MOL SA JI		
		Jeny Jaimon		
6	Kabaddi (Women)	RUBEENA MOL T A	M G University Inter- Zone Second Position	
		HARITHA S		
		RINU T BIJU		
		PRESSYMOL K PRENI		
		ALSINA ASHRAF		
		JEHAN MARY JACOB		
		ATHULYA B		
		ANJALY BIJI		
		AISWARYA N S		
		ESTHER CRISTINE GEORGE		
		GAYATHRI GIREESH KUMAR		
		NAMITA ATHMARAM NAIK		
7	Softball Men	ABHISHANKER S	M G University Inter- Zone Second Position	
		SOBIN THOMAS		
		DONNY AUGUSTINE		
		ARAVIND RAJESH		
		SANJAY P SUNIL		
		GOWRI SANKAR		
		GIREESH P G		
		AKASH C PILLAI		
		VIGNESH VIJAY		
		BOVAS M JUSTIN		
		ROHIT S NAIR		
		GOKUL RAJ		
		RAHUL M JOSEPH		
		VYSAKH K KUMAR		

		SAHIL S			
		UNNIMON SABU			
		ADITYA AJIKUMAR			
8	Volleyball Men	NANDHU M NAIR PRAVEEN BABU ANUVIND JYOTHI P K Muhammed Fahis Ashbin Anto GEORGE ANTONY GAUTHAM KRISHNA ANOOP T Cyril Joshua ARUN LAL PP ARUN RAG SHEBIN SHEREEF	M G University Inter- Zone Third All Kerala Inter Collegiate Volleyball Tournament Winners M G University South Zone Third		
9	Taekwondo Women	VAISHNAVI G RUBEENA MOL	M G University Inter- Zone VAISHNAVI G Gold medal winner RUBEENA MOL Bronze medal winner		
10	Taekwondo Men	SAURAV S P ARUN RAJAN ALBIN AGUSTINE NOEL ABRAHAM BIJU CYRIL M JOSEPH DHEERAJ P JAYARAJ NOEL P S	M G University Inter- Zone Arun Rajan 2nd Maths Bronze Medal winner		
11	Judo W	RUBEENA MOL T A HARITHA S JEHAN MARY JACOB ATHULYA B GAYATHRI GIREESH KUMAR JOSHLY SAM	M G University Inter- Zone Third Position		
12	Hockey Fives Men	AMAL C T	M G University Inter- Zone Third Position		

		MANU MADHU		
		YEDUKUMAR V S		
		JEBIN BABU		
		VYSAKH MANOHAR		
		DHANESH M T		
		SABIN BABU		
		SHINU ELIAS		
		NAVEEN V MANI		
13	Baseball M	ABHISHANKER S	M G University Inter- Zone Participation	
		SOBIN THOMAS		
		DONNY AUGUSTINE		
		ARAVIND RAJESH		
		SANJAY P SUNIL		
		GOWRI SANKAR		
		Abhay Jotin		
		AKASH C PILLAI		
		VIGNESH VIJAY		
		BOVAS M JUSTIN		
		ROHIT S NAIR		
		GOKUL RAJ		
		RAHUL M JOSEPH		
		VYSAKH K KUMAR		
		SAHIL S		
		UNNIMON SABU		
		ADITYA AJIKUMAR		
		SAURAV S P		
14	Roller Sports	VARUN MAHADEVAN	M G University Inter- Zone Participation	
		TOM T MATHEW		
		K S ANANDHU		
		AMAL S VAYATTATTIL		
		AMAL C T		
		Jobin George		

		Sibin P Benson SHINU ELIAS Akarsh Joseph		
15	Wrestling (M)	GOVIND M G	M G University Inter Zone 1 Bronze	
16	Weight Lifting (W)	ASHWITHA SUSAN ELIAS	M G University Inter Zone 1 bronze	
17	Hockey (M)	AMAL C T MANU MADHU YEDUKUMAR V S JEBIN BABU VYSAKH MANOHAR ANAND JEREESH SIBIN P BENSON DHANESH M T SABIN BABU SREEJITH P S BEN GEORGE JACOB SHINU ELIAS NAVEEN V MANI TITO ANTHRAYOSE	M G University Inter- Zone Participation	
18	Athletics (M)	NIJIN RAVICHANDRAN TWINS T HARIKRISHNAN S AKASH V AGNES SEBASTIAN NISHAD T S SAURAV S P JITHU THOMAS	M G University Inter- Zone Participation	
19	Cycling (M)	AKASH SATHEESH	M G University Inter- Zone Participation	
20	Table Tennis(M)	BONY DOMINIC JOBIN T JOSEPH FELIX PHILIP THOMAS	M G University Inter- Zone Participation	

		ZAHEER MOHAMMED NIZAM		
		NOEL ABRAHAM BIJU		
21	Badminton M	MAHESH KRISHNA	M G University South Zone Participation	
		SACHIN BIJU		
		GABRIEL BENNY MATHAI		
		ASWIN V MATHEW		
		AKHIL ZACHARIAH		
		JENSON TITUS		
22	Badminton W	ASWIN V MATHEW	M G University Inter- Zone Participation	
		ASHIK .A. L		
		FRANCIS TOM		
		AKHIL ZACHARIAH		
23	Football (M)	Arjun P Baiju	M G University South Zone	
		Jossy J V		
		Sibin P Benson		
		Jobin George		
		Shivanand B Pai		
		Ajay Kurian		
		Fouzal Haq		
		Tom Joseph		
		Tino Mathew John		
		Naveen George David		
		Basil Biju		
		Vaisakh Jayan		
		Arun Rajan		
		A Sreejith		
		Vishnu V		
		Appu Praveen		
		Roshan Shajan		
		Abhiram Varma		

	2019-20			
	Name of the event	**Name of the student**	**Regional/State/ National/ International**	**AADHAR / Student ID number**
1	Hockey Men	SABIN BABU MANU MADHU VYSAKH MANOHAR SHINU ELIAS NAVEEN V MANI TITO ANTHRAYOSE Jithin Luckose Abraham YADHU KRISHNAN S SUDHEESH S ABHIRAM VARMA JUBAIN SALIM ARUN PRINCE Hari .K Rahul Prasad Dani T Rajan Tushar Brajesh Shemeem Abdulla Lopez Renny	M G University Inter- Zone Participation	
2	Kabaddi (Men)	AMALJITH C K SURAG S GOKUL K V ADWAITH S VISHNU SALU THUSHAR THANKACHAN PRADEESH P P ASWIN RAJU YEDULAL J K AMITH GOSH MOHAN	M G University Inter- Zone Champions	

		MANEESH P R ANEESH SURESH BABU		
3	Basketball (M)	AKHIL ANTONY LEO THOMAS NANDU VIJAYAN GOKUL K. SURENDRAN JAVED IHZAN JOBIN T JOSEPH NIKIL JACOB JACOB ALWIN JOY ALEN JOY JOSEPH ROSHAN JOSEPH PUNNEN ROHAN IPE SHARAN PURUSHOTHAMAN SHIBU	M G University South- Zone Participation	
4	Badminton M	ASWIN V MATHEW ASHIK .A. L FRANCIS TOM AKHIL ZACHARIAH	M G University South- Zone fourth M G University Inter- Zone Participation	
5	Wrestling women	RUBEENA MOL T A HARITHA S JEHAN MARY JACOB ATHULYA B GAYATHRI GIREESH KUMAR JOSHLY SAM ASWATHY MOL SA JI Jeny Jaimon	M G University Inter- Zone Champions	
6	Wrestling men	GOVIND M G	M G University Inter- Zone One Silver	
7	Football (M)	Jossy J V	South Zone	
		Tom Joseph		
		Basil Biju		
		Arun Rajan		

		A Sreejith			
		Abhiram Varma			
		Pranav P Kumar			
		Krishna Das			
		Sabin Babu			
		Shemeem Abdulla			
		Jibin Shaji			
		Sreehari S			
		Ahammed Hussain			
		Nirmal P S			
		Nandhu Manoharan			
		Ajay P A			
		Abhijith T A			
		Jaison Issac			
8	Softball Men	VINIL T S	M G University Inter- Zone Second Position		
		ANUJ JOTIN			
		DONNY AUGUSTINE			
		ARAVIND RAJESH			
		SANJAI P SUNIL			
		GOWRISANKER K P			
		GIREESH P G			
		AKASH C PILLAI			
		VIGNESH VIJAY			
		BOVAS M JUSTIN			
		ROHIT S NAIR			
		GOKUL RAJ			
		RAHUL M JOSEPH			
		VYSAKH K KUMAR			
		SAHIL S			
		UNNIMON SABU			
		AJITH JACOB			
		ALDOUS JOSE			
9	Volleyball Men	NANDHU M NAIR	M G University Inter Zone Third		

		GEORGE ANTONY GAUTHAM KRISHNA ANOOP T CYRIL JOSHUA JOY ARUN RAG SHEBIN SHEREEF MUHAMMED FAHIS NANDAKISHOR U S KARTHIK R NAIR MUHAMMED SHAHIN PETER ELDHO	M G University South Zone Third	
10	Chess (women)	SAHANA M JERIN M JUSTIN UNNIMAYA S PARVATHI B H ARYA P V NIDHIA SEBASTIAN	M G University Inter- Zone Fourth Place	
11	Judo Women	Varsha H	Inter zone Bronze	
12	Table Tennis Men	JOBIN T JOSEPH ZAHEER MOHAMMED NIZAM AMAL AJAY ASHIK .A. L JEFFIN THOMAS	M G University South Zone Fourth	
13	Table Tennis Women	NAMITA ATHMARAM NAIK NEHA MARY SIRISH V X MARY VINAYA Sherin Abraham	M G University Inter- Zone Participation	
14	Roller Sports Men	VARUN MAHADEVAN	M G University Inter- Zone Participation	

		TOM T MATHEW K S ANANDHU AMAL S VAYATTATTIL SHINU ELIAS AKARSH JOSEPH JUBAIN SALIM VIMAL GEORGE THOVELIL ROHAN CHERIAN SAJI VISHAL M NAIR		
15	Fencing Women	Naseeba P K JEHAN MARY JACOB ATHULYA B GAYATHRI GIREESH KUMAR	M G University Inter- Zone Participation	
16	Fencing men	Amalrajj Gopikrishnan G Sreesankar S PETER ELDHO	M G University Inter- Zone Participation	
17	Cricket Men	DONNY AUGUSTINE	M G University Inter- Zone Champions	
		ARAVIND RAJESH	KCPL All Kerala Second Position Second Position	
		GIREESH P G		
		AKASH C PILLAI		
		BOVAS M JUSTIN		
		ANUJ JOTIN		
		SIJOMON JOSAEPH		
		AJITH JACOB		
		RAHUL M JOSEPH		
		SAHIL S		
		UNNIMON SABU		
		VINIL T S		
		AKHIL ANIL		
		ALDOUS JOSE		

		GOKUL RAJ			
		SANJAI P SUNIL			
18	Weight Lifting (W)	ASHWITHA SUSAN ELIAS JEHAN MARY JACOB ATHULYA B GAYATHRI GIREESH KUMAR JOSHLY SAM ANJITHA UNNI		M G University Inter-Zone Gold medal for Aswathy	
19	Roll ball Men	VARUN MAHADEVAN TOM T MATHEW K S ANANDHU AMAL S VAYATTATTIL AKARSH JOSEPH VIMAL GEORGE THOVELIL ROHAN CHERIAN SAJI FEBIN BABY NANDHU MANOHARAN SHAMIL M M		M G University Inter- Zone Participation	
20	Taekwondo Men	ARUN RAJAN NOEL P S MUHAMMED SHAHIN PETER ELDHO		Arun Rajan 2nd Maths Bronze Medal winner	
21	Taekwondo (Women)	VAISHNAVI G PRABHU JEHAN MARY JACOB ATHULYA B GAYATHRI GIREESH KUMAR		M G University Inter- Zone Third VAISHNAVI G Gold medal	
22	Hockey Fives Men	SABIN BABU MANU MADHU VYSAKH MANOHAR SHINU ELIAS JUBAIN SALIM		M G University Inter- Zone Third Position	

		Jithin Luckose Abraham YADHU KRISHNAN S SUDHEESH S TITO ANTHRAYOSE		

	2020-21			
	Name of the event	**Name of the student**	**Regional/State/ National/ International**	**AADHAR / Student ID number**
1.	Kabaddi (Men)	AMALJITH C K SURAG S GOKUL K V ADWAITH S VISHNU SALU THUSHAR THANKACHAN PRADEESH P P Kevin Bobby George Adhithyan .S Gopu Gopakumar Abijith .B. Sanjeev Abin .A.B	M G University Inter- Zone Fourth Place.	
2.	Cricket Men	DONNY AUGUSTINE	M G University Inter- Zone Champions	
		VISHNU MOHAN	KCPL South Kerala Second Position.	
		GIREESH P G	Red Bull Bangalore Second Position	
		AKASH C PILLAI		
		BOVAS M JUSTIN		
		ANUJ JOTIN		
		SIJOMON JOSEPH		
		AJITH JACOB		
		RAHUL M JOSEPH		
		ALBIN BINU		

		BASIL N P			
		VINIL T S			
		AKHIL ANIL			
		ALDOUS JOSE			
		GOKUL RAJ			
		VYSAKH K KUMAR			
3.	Wrestling women	JEHAN MARY JACOB ATHULYA B GAYATHRI GIREESH KUMAR JOSHLY SAM Famiya Rose Devisree Anusree SIPPORAL S J DAS GAYATHRI P A DEVIKA S S GOVIND M G	M G University Inter- Zone Champions		
4.	Volleyball Men	JAYASANKAR S SANJAY P S MUHAMMAD NABEEL T AMEER ALI V P ROHITH K A ADITHYAN N S SREEHARI KRISHNA R MUHAMMED FAHIS NIKHIL PRAKASH KARTHIK R NAIR MUHAMMED SHAHIN PETER ELDHO	M G University Inter- Zone participation		
5.	Taekwondo Women	VAISHNAVI	VAISHNAVI G Gold medal winner		
6.	Wrestling (M)	SREESANKER S	Sreesankar M G University Silver		

42.4.2. Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years

Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number
2018-19				
Chess Men	HARIKRISHNAN A	Inter- Zone Champions	M G University	
Chess Men	SANJAY S PILLAI	Inter- Zone Champions	M G University	
Chess Men	AMAL C T	Inter- Zone Champions	M G University	
Chess Men	GABRIEL BENNY MATHAI	Inter- Zone Champions	M G University	
Chess Men	ROBIN THOMAS JONES	Inter- Zone Champions	M G University	
Chess Men	GAUTHAM KRISHNA	Inter- Zone Champions	M G University	
Chess Women	SAHANA M	Inter- Zone Champions	M G University	
Chess Women	JERIN M JUSTIN	Inter- Zone Champions	M G University	
Chess Women	LEKSHMI N	Inter- Zone Champions	M G University	
Chess Women	ADINA SARA JOSEPH	Inter- Zone Champions	M G University	
Chess Women	HARITHA K V	Inter- Zone Champions	M G University	
Chess Women	NIDHIA SEBASTIAN	Inter- Zone Champions	M G University	
Kabaddi (Men)	AMALJITH C K	Inter- Zone Champions	M G University	
Kabaddi (Men)	SURAG S	Inter- Zone Champions	M G University	
Kabaddi (Men)	GOKUL K V	Inter- Zone Champions	M G University	
Kabaddi (Men)	ADWAITH S	Inter- Zone Champions	M G University	
Kabaddi (Men)	VINAYAK J	Inter- Zone Champions	M G University	
Kabaddi (Men)	VISHNU SALU	Inter- Zone Champions	M G University	
Kabaddi (Men)	FEBIN KUMAR K P	Inter- Zone Champions	M G University	
Kabaddi (Men)	ASWIN RAJU	Inter- Zone Champions	M G University	
Kabaddi (Men)	YEDULAL J K	Inter- Zone Champions	M G University	
Kabaddi (Men)	AMITH GOSH MOHAN	Inter- Zone Champions	M G University	

Kabaddi (Men)	MANEESH P R	Inter- Zone Champions	M G University	
Kabaddi (Men)	ANEESH SURESH BABU	Inter- Zone Champions	M G University	
Cricket Men	1.ABHISHANKER S	Inter- Zone Champions	M G University	
Cricket Men	2.SOBIN THOMAS	Inter- Zone Champions	M G University	
Cricket Men	3.DONNY AUGUSTINE	Inter- Zone Champions	M G University	
Cricket Men	4.ARAVIND RAJESH	Inter- Zone Champions	M G University	
Cricket Men	5.SANJAY P SUNIL	Inter- Zone Champions	M G University	
Cricket Men	6.GIREESH P G	Inter- Zone Champions	M G University	
Cricket Men	7.AKASH C PILLAI	Inter- Zone Champions	M G University	
Cricket Men	8.BOVAS M JUSTIN	Inter- Zone Champions	M G University	
Cricket Men	9.Abhay Jotin	Inter- Zone Champions	M G University	
Cricket Men	10.Sijomon Joseph	Inter- Zone Champions	M G University	
Cricket Men	11.Ajith Jacob	Inter- Zone Champions	M G University	
Cricket Men	12.RAHUL M JOSEPH	Inter- Zone Champions	M G University	
Cricket Men	13.SAHIL S	Inter- Zone Champions	M G University	
Cricket Men	14.UNNIMON SABU	Inter- Zone Champions	M G University	
Cricket Men	15.VYSAKH K KUMAR	Inter- Zone Champions	M G University	
Cricket Men	16.GOKUL RAJ	Inter- Zone Champions	M G University	
Wrestling Women	RUBEENA MOL T A	Inter- Zone Champions	M G University	
Wrestling Women	HARITHA S	Inter- Zone Champions	M G University	
Wrestling Women	JEHAN MARY JACOB	Inter- Zone Champions	M G University	
Wrestling Women	ATHULYA B	Inter- Zone Champions	M G University	
Wrestling Women	GAYATHRI GIREESH KUMAR	Inter- Zone Champions	M G University	
Wrestling Women	JOSHLY SAM	Inter- Zone Champions	M G University	
Wrestling Women	ASWATHY MOL SA JI	Inter- Zone Champions	M G University	
Wrestling Women	Jeny Jaimon	Inter- Zone Champions	M G University	
Kabaddi (Women)	RUBEENA MOL T A 3rd Home Science	Inter- Zone Second Position	M G University	
Kabaddi (Women)	HARITHA S 2nd Economics	Inter- Zone Second	M G University	
Kabaddi (Women)	RINU T BIJU 2nd M.Com	Inter- Zone Second	M G University	
Kabaddi (Women)	PRESSYMOL K PRENI 2nd M.Com	Inter- Zone Second	M G University	
Kabaddi (Women)	ALSINA ASHRAF 2nd M. Sc Maths	Inter- Zone Second	M G University	
Kabaddi (Women)	JEHAN MARY JACOB 1st B.Com	Inter- Zone Second	M G University	

Kabaddi (Women)	ATHULYA B 1st Malayalm	Inter- Zone Second	M G University	
Kabaddi (Women)	ANJALY BIJI 1st History	Inter- Zone Second	M G University	
Kabaddi (Women)	AISWARYA N S 1st History	Inter- Zone Second	M G University	
Kabaddi (Women)	ESTHER CRISTINE GEORGE 2nd Economics	Inter- Zone Second	M G University	
Softball Men	ABHISHANKER S	Inter- Zone Second	M G University	
Softball Men	SOBIN THOMAS	Inter- Zone Second	M G University	
Softball Men	DONNY AUGUSTINE	Inter- Zone Second	M G University	
Softball Men	ARAVIND RAJESH	Inter- Zone Second	M G University	
Softball Men	SANJAY P SUNIL	Inter- Zone Second	M G University	
Softball Men	GOWRI SANKAR	Inter- Zone Second	M G University	
Softball Men	GIREESH P G	Inter- Zone Second	M G University	
Softball Men	AKASH C PILLAI	Inter- Zone Second	M G University	
Softball Men	VIGNESH VIJAY	Inter- Zone Second	M G University	
Softball Men	BOVAS M JUSTIN	Inter- Zone Second	M G University	
Softball Men	ROHIT S NAIR	Inter- Zone Second	M G University	
Softball Men	GOKUL RAJ	Inter- Zone Second	M G University	
Softball Men	RAHUL M JOSEPH	Inter- Zone Second	M G University	
Softball Men	VYSAKH K KUMAR	Inter- Zone Second	M G University	
Softball Men	SAHIL S	Inter- Zone Second	M G University	
Softball Men	UNNIMON SABU	Inter- Zone Second	M G University	
Softball Men	ADITYA AJIKUMAR	Inter- Zone Second	M G University	
Volleyball Men	NANDHU M NAIR	Inter- Zone Third Position Winners	M G University All Kerala Inter-Collegiate	
Volleyball Men	PRAVEEN BABU	Inter- Zone Third Position Winners	M G University All Kerala Inter-Collegiate	
Volleyball Men	ANUVIND JYOTHI P K	Inter- Zone Third Position Winners	M G University All Kerala Inter-Collegiate	
Volleyball Men	Muhammed Fahis	Inter- Zone Third Position Winners	M G University All Kerala Inter-Collegiate	
Volleyball Men	Ashbin Anto	Inter- Zone Third Position Winners	M G University All Kerala Inter-Collegiate	
Volleyball Men	GEORGE ANTONY	Inter- Zone Third Position Winners	M G University All Kerala Inter-Collegiate	
Volleyball Men	GAUTHAM KRISHNA	Inter- Zone Third Position Winners	M G University All Kerala Inter-Collegiate	
Volleyball Men	ANOOP T	Inter- Zone Third Position Winners	M G University All Kerala Inter-Collegiate	
Volleyball Men	Cyril Joshua	Inter- Zone Third Position Winners	M G University All Kerala Inter-Collegiate	
Volleyball Men	ARUN LAL PP	Inter- Zone Third Position Winners	M G University All Kerala Inter-Collegiate	
Volleyball Men	ARUN RAG	Inter- Zone Third Position Winners	M G University All Kerala Inter-Collegiate	
Volleyball Men	SHEBIN SHEREEF	Inter- Zone Third Position Winners	M G University All Kerala Inter-Collegiate	

Taekwondo Women	VAISHNAVI G PRABHU 1stEnglish	Gold medal winner	M G University	
Taekwondo Women	RUBEENA MOL T A 3rd Home Science	Bronze medal winner	M G University	
Taekwondo Men	Arun Rajan 2nd Maths	Bronze medal	M G University	
Judo W	1. JEHAN MARY JACOB 1st B.COM	Silver Medal	M G University	
Judo W	GAYATHRI GIREESH KUMAR 1st B A History	Silver Medal	M G University	
Judo W	JOSHLY SAM 1st B A History	Silver Medal	M G University	
Judo W	RUBEENA MOL T A 3rd Homescience	Bronze Medal	M G University	
Judo W	ATHULYA B 1st B A Malayalm	Bronze Medal	M G University	
Hockey Fives Men	AMAL C T	Inter- Zone Third	M G University	
Hockey Fives Men	MANU MADHU	Inter- Zone Third	M G University	
Hockey Fives Men	YEDUKUMAR V S	Inter- Zone Third	M G University	
Hockey Fives Men	JEBIN BABU	Inter- Zone Third	M G University	
Hockey Fives Men	VYSAKH MANOHAR	Inter- Zone Third	M G University	
Hockey Fives Men	DHANESH M T	Inter- Zone Third	M G University	
Hockey Fives Men	SABIN BABU	Inter- Zone Third	M G University	
Hockey Fives Men	SHINU ELIAS	Inter- Zone Third	M G University	
Hockey Fives Men	NAVEEN V MANI	Inter- Zone Third	M G University	
Shooting (Men)	Shalon Panavelil (3rd Year B.Com Finance & Taxation	Secured Gold Medal in Rapid Fire & Standard Pistol Event	51st Kerala state shooting Championship	
Shooting (Men)	Akhil Sacheriah (2nd Dc B com).	Secured Gold medal In Rapid Fire and Got the title National Renowned Shooter	51st Kerala state shooting Championship	

Name of the event **2019-20**	**Name of the student**	**Name of the award/ medal**	**Regional/State/ National/ International**	**AADHAR / Student ID number**
Volleyball Men	GEORGE ANTONY	3rd Position First Position	All India Inter-University Youth National Volleyball Champion Ship	
Cricket Men	SIJOMON JOSEPH	Participation	Ranji Trophy for Kerala Kerala U 23 team Captain	
Cricket Men	AKHIL ANIL	Participation	Kerala U 23 team	
Cricket Men	ARAVIND RAJESH	Participation	Reprebented M G University	
Cricket Men	GIREESH P G	Participation	Reprebented M G	

			University	
Cricket Men	BOVAS M JUSTIN	Participation	Reprebented M G University	
Cricket Men	ANUJ JOTIN	Participation	Reprebented M G University	
Cricket Men	SAHIL S	Participation	Represented M G University	
Kabaddi Men	AMALJITH C K	Participation	Represented M G University	
Kabaddi Men	SURAG S	Participation	Represented M G University	
Kabaddi Men	ASWIN RAJU	Participation	Represented M G University	
Kabaddi Men	AMITH GOSH MOHAN	Participation	Represented M G University	
Kabaddi Men	MANEESH P R	Participation	Represented M G University	
Kabaddi Men	ANEESH SURESH BABU	Participation	Represented M G University	
Wrestling Women	JEHAN MARY JACOB	Participation	Represented G All India Inter-University, U-23 Kerala,	
Wrestling Women	ATHULYA B	Participation	Represented G All India Inter-University,	
Wrestling Women	GAYATHRI GIREESH KUMAR	Participation	Represented G All India Inter-University,	
Wrestling Women	JOSHLY SAM	Participation	Represented G All India Inter-University, U-23 Kerala, Senior Nationals.	
Wrestling Women	ANJITHA UNNI	Participation	Represented G All India Inter-University,	
Wrestling Women	GAYATHRI P A	Participation	Represented G All India Inter-University, Senior Nationals.	
Taekwondo Women	VAISHNAVI G BRAHU	Participation	Represented G All India Inter-University,	
Hockey Men	NAVEEN V MANI		M G University team	
Cricket Men	DONNY AUGUSTINE	Inter- Zone Champions	M G University	
Cricket Men	ARAVIND RAJESH	Inter- Zone Champions	M G University	
Cricket Men	GIREESH P G	Inter- Zone Champions	M G University	
Cricket Men	AKASH C PILLAI	Inter- Zone Champions	M G University	
Cricket Men	BOVAS M JUSTIN	Inter- Zone Champions	M G University	

Cricket Men	ANUJ JOTIN	Inter- Zone Champions	M G University	
Cricket Men	SIJOMON JOSAEPH	Inter- Zone Champions	M G University	
Cricket Men	AJITH JACOB	Inter- Zone Champions	M G University	
Cricket Men	RAHUL M JOSEPH	Inter- Zone Champions	M G University	
Cricket Men	SAHIL S	Inter- Zone Champions	M G University	
Cricket Men	UNNIMON SABU	Inter- Zone Champions	M G University	
Cricket Men	VINIL T S	Inter- Zone Champions	M G University	
Cricket Men	AKHIL ANIL	Inter- Zone Champions	M G University	
Cricket Men	ALDOUS JOSE	Inter- Zone Champions	M G University	
Cricket Men	GOKUL RAJ	Inter- Zone Champions	M G University	
Cricket Men	SANJAI P SUNIL	Inter- Zone Champions	M G University	
Kabaddi Men	AMALJITH C K	Inter- Zone Champions	M G University	
Kabaddi Men	SURAG S	Inter- Zone Champions	M G University	
Kabaddi Men	GOKUL K V	Inter- Zone Champions	M G University	
Kabaddi Men	ADWAITH S	Inter- Zone Champions	M G University	
Kabaddi Men	VISHNU SALU	Inter- Zone Champions	M G University	
Kabaddi Men	THUSHAR THANKACHAN	Inter- Zone Champions	M G University	
Kabaddi Men	PRADEESH P P	Inter- Zone Champions	M G University	
Kabaddi Men	ASWIN RAJU	Inter- Zone Champions	M G University	
Kabaddi Men	YEDULAL J K	Inter- Zone Champions	M G University	
Kabaddi Men	AMITH GOSH MOHAN	Inter- Zone Champions	M G University	
Kabaddi Men	MANEESH P R	Inter- Zone Champions	M G University	
Kabaddi Men	ANEESH SURESH BABU	Inter- Zone Champions	M G University	
Wrestling Women	JEHAN MARY JACOB	Inter- Zone Champions	M G University	
Wrestling Women	ATHULYA B	Inter- Zone Champions	M G University	
Wrestling Women	GAYATHRI GIREESH KUMAR	Inter- Zone Champions	M G University	
Wrestling Women	JOSHLY SAM	Inter- Zone Champions	M G University	
Wrestling Women	ANJITHA UNNI	Inter- Zone Champions	M G University	

Wrestling Women	ARPANA SUNIL	Inter- Zone Champions	M G University	
Wrestling Women	VARSHA H	Inter- Zone Champions	M G University	
Wrestling Women	SIPPORAL S J DAS	Inter- Zone Champions	M G University	
Wrestling Women	GAYATHRI P A	Inter- Zone Champions	M G University	
Wrestling Women	DEVIKA S S	Inter- Zone Champions	M G University	
Taekwondo Women	VAISHNAVI G BRAHU	Inter- Zone Gold	M G University	
Taekwondo Men	ARUN RAJAN	Inter- Zone Bronze	M G University	
Weught Lifting (W)	ASWATHY SUSAN ELIAS	Inter- Zone Gold	M G University	
JUDO (W)	VARSHA H	Inter- Zone Bronze	M G University	

Name of the event **2020-21**	**Name of the student**	**Name of the award/ medal**	**Regional/State/ National/ International**	**AADHAR / Student ID number**
Cricket Men	SIJOMON JOSEPH	Ranji Trophy for Kerala	Participation	
Cricket Men	AKHIL ANIL	Kerala U 23 team	Participation	
Cricket Men	AKHIL ANIL	M G University Team member		
Cricket Men	AJITH JACOB	M G University Team member		
Cricket Men	BOVAS M JUSTIN	M G University Team member		
Cricket Men	ANUJ JOTIN	M G University Team member		
Cricket Men	AKASH C PILLAI	M G University Team member		
Cricket Men	AJITH JACOB	M G University Team member		
Cricket Men	BASIL N P	M G University Team member		
Kabaddi Men	THUSHAR THANKACHAN	M G University Team member		
Taekwondo Women	VAISHNAVI G BRAHU	M G University Team member		
Wrestling Women	JEHAN MARY JACOB	M G University Team member		
Wrestling Women	ATHULYA B	M G University Team member		
Wrestling Women	GAYATHRI GIREESH KUMAR	M G University Team member		
Wrestling Women	SRUTHY S	M G University Team member		

Wrestling Women	SIPPORAL S J DAS	M G University Team member		
Wrestling Women	DEVIKA S S	M G University Team member		
Wrestling Women	SANDRA ABRAHAM	M G University Team member		
Wrestling Women	FEMIYA ROSE A F	M G University Team member		
Wrestling Women	DEVISREE M R	M G University Team member		
Cricket Men	DONNY AUGUSTINE	M G University Inter-Collegiate	Winners	
Cricket Men	VISHNU MOHAN	M G University Inter-Collegiate	Winners	
Cricket Men	GIREESH P G	M G University Inter-Collegiate	Winners	
Cricket Men	AKASH C PILLAI	M G University Inter-Collegiate	Winners	
Cricket Men	BOVAS M JUSTIN	M G University Inter-Collegiate	Winners	
Cricket Men	ANUJ JOTIN	M G University Inter-Collegiate	Winners	
Cricket Men	SIJOMON JOSEPH	M G University Inter-Collegiate	Winners	
Cricket Men	AJITH JACOB	M G University Inter-Collegiate	Winners	
Cricket Men	RAHUL M JOSEPH	M G University Inter-Collegiate	Winners	
Cricket Men	ALBIN BINU	M G University Inter-Collegiate	Winners	
Cricket Men	BASIL N P	M G University Inter-Collegiate	Winners	
Cricket Men	VINIL T S	M G University Inter-Collegiate	Winners	
Cricket Men	AKHIL ANIL	M G University Inter-Collegiate	Winners	
Cricket Men	ALDOUS JOSE	M G University Inter-Collegiate	Winners	
Cricket Men	GOKUL RAJ	M G University Inter-Collegiate	Winners	
Cricket Men	VYSAKH K KUMAR	M G University Inter-Collegiate	Winners	
Wrestling Women	JEHAN MARY JACOB	M G University Inter-Collegiate	Winners	
Wrestling Women	ATHULYA B	M G University Inter-Collegiate	Winners	
Wrestling Women	GAYATHRI GIREESH KUMAR	M G University Inter-Collegiate	Winners	
Wrestling Women	SIPPORAL S J DAS	M G University Inter-Collegiate	Winners	
Wrestling Women	DEVIKA S S	M G University Inter-Collegiate	Winners	
Wrestling Women	SANDRA ABRAHAM	M G University Inter-Collegiate	Winners	
Wrestling Women	FEMIYA ROSE A F	M G University Inter-Collegiate	Winners	

Wrestling Women	DEVISREE M R	M G University Inter-Collegiate	Winners	
Wrestling Women	SRUTHY S	M G University Inter-Collegiate	Winners	
Wrestling Men	SREESANKER S	M G University Inter-Collegiate	Silver	
Taekwondo Women	VAISHNAVI G BRAHU	M G University	Inter- Zone Gold	

42.4.3. Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 5 years

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number

42.4.4. Number of awards/medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number

42.4.5. Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years

Formula:

Percentage =

$$\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$$

Name of the activity	Name of the student	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities	Total number of students
		116		

42.4.6. Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 5 years

Formula:

Percentage =

$$\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$$

Name of the activity	Name of the student	Number of students participated in such activities	Total number of students

Provide table wise and year wise data separately for NSS/NCC/Clubs/College Union etc.

42.4.7. Professional societies/ chapters and organizing academic events

Name of the student	Name of society/chapter	Academic event organized

42.4.8. Organization of paper contests, design contests, etc., and achievements

Name of the student	Name of contest	Type of the contest	Achievements

42.4.9. Publication of technical magazines, newsletters, journals, etc.

Name of the student	Technical magazine				Newsletter				Journal			
	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.

42.4.10. Entrepreneurship initiatives, product designs and innovations
(Describe the initiatives taken)

42.4.11. Publications and awards in inter – institute events by students of the programme of study

Name of the student	Name of the awarding institute	Name of the event	Name of the award	Position acquired (first/second

				third)

43. Faculty Contributions

43.1. Student Teacher Ratio (STR)

43.2. Faculty Cadre Ratio

43.3. Faculty Qualifications

43.3.1. Percentage of full time teachers registered for Ph.D. (Value points will be given only for the first 5 years of registration)

Formula:

Percentage =

$$\frac{\text{Number of full time teachers in the department registered for Ph. D.}}{\text{Total number of full time teachers}} \times 100$$

Name of full time teacher registered for PhD	**Date of registration**	**Number of full time teachers registered for PhD**	**Total number of full time teachers**

43.3.2. Number of teachers awarded national/international fellowship for advancedstudies/research during the last 5 years

Year	**Name of the teacher awarded national / international fellowship**	**Name of the award**	**Awarding Agency**

43.3.3. Percentage of teachers recognized as research guides

Formula: $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers in the department}} \times 100$

Name of teachers recognized as research guides	**Year of recognition**	**Recognizing University**	**Total number of teachers**
	116		

43.4. ..... Faculty competencies in correlation to Programme Specific Criteria

43.5. ..... Academic Calendar and Teaching plans

(Upload details of five years)

43.6. Number of Ph.D.s awarded per teacher (as research guide) during the last 5 years

Formula: $\frac{\text{Total number of Ph.D.degrees awarded during last 5 years}}{\text{Total number of teachers as recognized guides}}$

Name of the PhD scholar	Name of the guide/s	Title of the thesis	Year of registration of the scholar	Year of award of PhD

43.7. Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, E-content management etc.**

Formula: $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$

Name of teacher using ICT	Type of ICT facilities used	Number of teachers using ICT	Total number of teachers

** Validation based on student feedback and link for webpage describing LMS/ Academic Management System.

43.8. ..... Faculty as participants/resource persons in faculty professional development/training Activities/seminars/workshops/symposia/conferences (national & international)

Year	Duration (From – to)	Name of the teacher	Role of the teacher (participation/ resource person)	Type of programme (faculty development/ training/ seminar/ workshop/ symposia/ conference)	Name of the programme	National/ international
2018		**Dr. Jackson Paul V**	**Participation**	**Faculty Development**	**Training Program on Academic Leadership**	16/07/2018 to 19/07/2018

2019		**Dr. Charles A Joseph**	**Participation**	**Faculty Development**	**FDP in Humanities and Social Science**	18/09/2019 to 22/09/2019
2020		**Dr. Jackson Paul V**	**Participation**	**Faculty Development**	**Refresher Course**	04/03/2020 to 17/03/2020 & 29/07/2009 to 03/08/2020.

43.9. ..... Faculty Retention

43.10. ..... Faculty Research Publications (FRP)

43.10.1. Number of research papers per teacher in the Journals notified on UGC website during the last 5 years

Formula: $\frac{\text{Total number of publications in UGC notified journals in the last 5 years}}{\text{Total number of teachers who published in UGC notified journals in the last 5 years}}$

Title of paper	Name of the author/s	Name of journal	ISBN/ISSN number	Affiliating institute at the time of publication

43.10.2. Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 5 years

Formula:

$$\frac{\text{Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 5 years}}{\text{Total number of teachers who published in the last 5 years}}$$

Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	ISBN/ISSN number of the proceeding	Name of the publisher	Affiliating institute at the time of publication

43.10.3. BiblioMetrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as	Number of citations excludin

					mentioned in the publication	g self citations

43.11. Faculty Intellectual Property Rights (FIPR)

43.11.1. Number of Patents published/awarded

Name of the teacher	Name of the Patent published/awarded	Patent Number	Year of award	Affiliating institute at the time of publication/award

43.12. Funded R & D projects and consultancy works

43.12.1. Major Research projects sponsored by government sourcessuch as UGC, DST, DBT, KSCSTE, etc.

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

43.12.2. Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees)

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

43.12.3. Research projects sponsored by the non-government sourcessuch as industry, corporate houses, international bodies, endowments (Amount in Rupees)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Funds provided	Duration of the project

43.12.4. Consultancy

Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (amount in rupees)

43.12.5. Revenue generated from corporate training by the department during the previous year

Names of the teacher-consultants	Title of the corporate training program	Agency seeking training with contact details	Revenue generated (amount in rupees)	Number of trainees

43.13. Number of awards for innovation won by teachers

Title of the innovation	Name of the Awardee	Year of award	Name of the Awarding Agency with contact details

43.14. ..... Faculty interaction with International Collaborations

Name of the faculty	Collaborating agency/ institute/ industry	Name of the agency/ institute/ industry/ organization	Type of collaboration (research/ teaching/ industrial etc.)	Country of the collaborating party	Has any MoU signed?	Validity period of the MoU (from date – to date)

43.15. ..... Member ship in Professional bodies

43.15.1. Membership in academic bodies in Universities / other colleges

Name of the teacher	Name of the academic body	University/ other college	Position held
Dr. Jackson Paul V	**Sports Psychology**	**other college**	

43.16. ..... Reviewe r/Editors of International and national journals

Name of the teacher	Name of the Journal, ISSN No., publisher, national/international	Role of the teacher (Reviewer/ Editor)

43.17. Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 5 years

Academic body / Administrative body / Committee	Name of the Academic body / Administrative body / Committee	Specific role of the faculty	Duration of hours spent in the last 5 years
		Total hours spent	

43.18. Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years

Formula:

Percentage = $\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$

Name of the activity/scheme	Organizing unit/ agency/ collaborating agency	Number of teachers participated in such activities

44. Academic Support Units and Teaching-Learning-Evaluation Process

44.1. Academic Support Units for academic and stress related issues

44.1.1. Ratio of mentor to students for academic and stress related issues

44.1.2. Department level student grievance addressing system

44.2. Teaching-Learning Process

44.2.1. Tutorial classes to address student questions

44.2.2. Mentoring system To help at individual levels

5. .Classes taken for psychological Motivation

44.2.3. Feedback analysis and reward/corrective measures taken, if any

Describe whether:

Structured feedback received from:

3) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents

for design and review of syllabus - Semester wise /year wise

44.2.4. Scope for self-learning

Self Practices for personal development

44.2.5. Generation of self-learning facilities, availability of materials for learning beyond syllabus

44.2.6. Career Guidance, Training, Placement, and Entrepreneurship Cell

Describe the number of capability enhancement and development schemes

21. Personal Counseling

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details

44.2.6.1. Indicate whether the department conducted tests at the beginning of each semester to identify weak/ potential students?

44.2.6.2. Indicate how the department took extra measures to identify, address and meet the special requirements of differently abled students.

44.2.6.3. Average percentage of students benefited by guidance for competitive examinations and career counseling offered by the department during the last five years

Year	Name of the scheme	Number of students benefited/attended / participated by Career Counseling / competitive exams activities

44.2.6.4. Average percentage of students benefitted by Vocational Education and Training (VET) during the last five years

Year	Name of the scheme	Number of students benefited/attended / participated VET

44.2.7. Role of department in Co-curricular and Extra-curricular Activities of students—--Directions and Conducting intramurals.

44.2.8. Role of department Games and Sports achievements of students----Organisation

44.2.9. Does the department have a system to check malpractices and plagiarism?

Provide upload the URL having code of ethics	Whether Departments have been provided access to plagiarism detecting software (Yes/No)	Mechanism for detecting plagiarism

45. Continuous improvements

45.1. Improvement in Success Index of Students

45.2. Improvement in Academic Performance Index of Students

45.3. Improvement in Student-Teacher Ratio

45.4. Enhancement of Faculty Qualification Index

45.5. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

45.6. Continuing Education

45.7. New Facility Created

Badminton court.

45.8. Overall Improvements since last accreditation, if any, otherwise, since the commencement of the programme

More facilities for Cricket and Fitness centre

46. Events in Department

46.1. Seminars/Conferences/Workshops conducted(National and International)

46.1.1. Number of national seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 5 years

Name of the seminar / workshop / symposium / conference	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants

46.1.2. Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 5 years

Name of the Summer school programme	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants

46.1.3. Number of awards for innovation won by department during the last 5 years

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award	Category- department// research scholar/student

46.1.4. Academicians visited

Name and designation of the academician	Name of the Institute/ University of the academician	Country to which the academician belong	Name of the programme attended by the academician	Type of the programme attended by the academician	Beneficiaries of the programme	Funding agency of the programme

46.2. MoU's and Tie-ups

MoU with Kerala Cricket Association

Kerala Sports council

46.2.1. Number of Collaborative activities for research, faculty exchange,student exchange during the last 5 years

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Source of financial support	Duration	Nature of the activity

46.2.2. Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 5 years

Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage	Name of the participant

46.2.3. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 5 years (only functional MoUs with ongoing activities to be considered)

Organization with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs

15.3. Institutes, Scholarships, Endowments

15.3.1. Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government schemes) during the last 5 years

Formula:

$$\text{Percentage} = \frac{\text{Number of students benefited by by scholarships and freeships}}{\text{Total number of students}} \times 100$$

Name of the scholarship/freeship	Number of students benefited

15.4. Fund generated by the department (minor projects, major projects, workshops, symposia, travel grant, scholarship, and if any other)

Type of fund generated	Amount (Rs.)	Name of the Faculty that attracted the fund

15.5. Total number of employability training programmes conducted by the department during the last 5 years and the total number of students attended the programme

Name of the employability training programme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details

15.6. Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes

Name of the teacher	Name of the capacity enhancement scheme / training programme	Name of the institute attended	Duration of the scheme / programme

15.7. Details of extension activities of regular nature organized by the department *

Name of the extension activity	Nature of extension activity	Duration	Involvement of Percentage of students in the department

*Related to the area of knowledge of the department

15.8. Details of activities organized by the department to promote universal values*

Name of the activity	Within the campus/ outreach	Duration	Involvement of Percentage of students in the department

15.9. Total number of cultural activities/ competitions organized by the department during the last 5 years

Sl. No.	Name of the activity	Interdepartmental / intercollegiate	Total number of students involved
1	September 25th to 29th 2019.	Organizers of M G University Inter Zone Chess Men& Women	150
2	from 22nd October to 20th November 2018.	Organizers of M G University Inter Collegiate South Zone Men Cricket Tournament	400
3	Tournament from November 26 to 30 2018.	Organizers of M G University Inter Zone Men Cricket 116	64
1	from 3rd December 2019 to February 7th	Organizers of M G University Inter Collegiate South Zone	425

	to 2020.	Men Cricket Tournament	
2	fromSeptember 25th to 29th 2019	Organizers of M G University Inter Zone Chess Men& Women Tournament.	**123**
3	from March 2nd to 6th 2020.	Organizers of M G University Inter Zone Men Cricket Tournament	**64**
4	Aug 5-6 Wrestling	Organizers of M G University Inter Zone Men Wrestling Tournament	**153**

15.10. Alumni contribution during the last 5 years (Amount in Rupees)

Name of the alumnus/ alumni association	AADHAR / PAN	Year of graduation	Year of contribution	Quantum of contribution (Rs.)

16. SWOT Analysis

13.1. Identify Strength, Weakness, Opportunities and Threats of the Department

13.2. Good practices, if any

- Gender equity promotion programs
- Gender sensitivity in providing facilities such as:
  - Safety and Security
  - Counseling
  - Common room
- Green practices: (Green Audit)

  - Transportation: Bicycles
  - Plastic free department
  - Paperless department
  - Green landscaping
- Initiatives that contribute to local community
- Code of Conduct Handbook/Display of core values/Duties &Rights of citizens
- Activities to increase consciousness about national identities and symbols
- Course on human values and professional ethics
- Departmental functioning is as per professional code
- Activities to promote universal values
- Complete transparency in its financial, academic, administrative and auxiliary functions
- Remedial teaching
- Activities to increase the quality of teaching methodology
- Any other relevant best practices

DSAR SCORE CARD

PHYSICAL EDUCATION

CMS College Kottayam
Department Accreditation Score Card
Department of Physical Education

Quantitative Matrices:

17. Programme curriculum

Metric No.			Weight	Cumulative Weight (Scored)	cumulative weight (Maximum)
7.5.1	Percentage of programs where syllabus revision was carried out during the last five years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses revised}}{\text{Total number of courses in the programme}} \times 100$ UG: 7. 2018-19 8. 2019-20 9. 2020-21	0	0 0 0		20
	Average weight scored ***Documentary evidences:*** *7. List of courses revised* *8. Copy of approved curriculum* 9. *Minutes of the Board of Studies (2016 onwards)*		0	0	20
7.8	Average percentage of theory courses offered having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations: 117 Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt				

	25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of courses offered with above focus}}{\text{Total number of courses in the programme}} \times 100$ UG: 10. 2018-19 11. 2019-20 12. 2020-21	0	0		10
	Average weight scored ***Documentary evidences:*** *7. List of courses with the above focus* *8. Copy of approved curriculum* *9. Minutes of the Board of Studies (2016 onwards)*		0	0	10
7.9	New courses introduced: Add-on,/extra credit, Certificate/Diploma etc. for the period 2014-17: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of new courses introduced}}{\text{Total number of courses}} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21	0	0		10
	Average weight scored ***Documentary evidences:*** *5. Copy of approved curriculum* *6. Minutes of the Board of Studies (2016 onwards)*		0	0	10
7.11	Average percentage of students enrolled in those courses during the years: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt	0	0	0	

	$\frac{\text{Number of students enrolled in the course}}{\text{Total number of students in the dept}} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21	0			20
	Average weight scored ***Documentary evidences:*** *9. Brochure* *10. Copy of approved curriculum* *11. Minutes of the Board of Studies (2016 onwards)* *12. MoU, if any*		0	0	20
7.12	Average percentage of courses (theory/practical) offered as part of the UG/PG programme having focus on employability / entrepreneurship / skill development: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses with above focus}}{\text{Total number of courses in the programme}} \times 100$ UG: 4. 2018-19 5. 2019-20 6. 2020-21	0	0 0 0		20
	Average weight scored ***Documentary evidences:*** *7. Copy of approved curriculum* *8. Minutes of the Board of Studies (2016 onwards)* *9. MoUs with relevant organizations*		0	0	20
7.13	Percentage of students undertaking field projects/internships during the years:				

	Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\text{\% of students} = \frac{\text{Number of students undertaking field projects or internships}}{\text{Total number of students}} \times 100$ UG: 7. 2018-19 8. 2019-20 9. 2020-21	0 0 0	0 0 0		10
	Average weight scored ***Documentary evidences:*** *7. MoUs with relevant organizations* *8. Copy of student internship certificates/ reports* *9. Correspondence with relevant organizations*		0	0	10
		Total	-	0	**90**

18. Result and Student Performance

Metric. No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
8.1	Success Rate of courses in UG and PG programmes Weightage distribution: 90% - 100% : 70 wt 80% - 89% : 63 wt 70% - 79% : 56 wt 60% - 69% : 49 wt 50% - 59% : 42 wt 40% - 49% : 35 wt 30% - 39% : 28 wt 20% - 29% : 21 wt 10% - 19% : 14 wt 1% - 9% : 7 wt				70

	<1% : 0 wt $\frac{\text{No. of students who passed the course examination in a year}}{\text{No. of students appeared for the course examination in a year}} \times 100$ **UG :** Open Courses **2018-2019** Physical Health and Life Skill Education **2019-2020** Physical Health and Life Skill Education **2020-2021** Physical Health and Life Skill Education	$(20/20) \times 100 = 100$ $(20/20) \times 100 = 100$ $(21/21) \times 100 = 100$	70 70 70		
	Average weight scored ***Documentary evidences:*** *3. Semester wise result records from COE*		210	$(\frac{210}{3})$ = 70	70
8.2	Percentage of students qualifying state/ national/ international level examinations for the last 5 years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/ State government examinations/ other examination) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students appeared for the exam}} \times 100$ UG: 1. 2018-19 2. 2019-20 3. 2020-21	0 0 0	0 0 0		20
	Average weight scored 117 ***Documentary evidences:*** *3. Year wise list of students qualifying each*		0	0	20

	examination				
8.3.1 & 8.3.3	Average % of placement of outgoing students during last 3 years (Weightage distribution: 75% - 100% : 40 wt 50% - 74% : 30 wt 25% - 49% : 20 wt 1% - 24% : 10 wt $\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$ **UG:** 7. 2018-19 outgoing batch (till now) 8. 2019-20 outgoing batch (till now) 9. 2020-21 outgoing batch (till now)	0 0 0 0	0		40
	Average weight scored ***Documentary evidences:*** *Annual Report of Placement Cell*		0	0	40
8.3.2 & 8.3.4	% of outgoing student progression to higher studies during last 3 years Weightage distribution: 75% - 100% : 30 wt 50% - 74% : 20 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of outgoing students progressing to higher education}}{\text{Total number of final year students in the programme}} \times 100$ **UG:** 10. 2018-19 outgoing batch (till now) 11. 2019-20 outgoing batch (till now 12. 2020-21 outgoing batch (till now)	0	0		
	Average weight scored 117 ***Documentary evidences:*** *Alumni data base (batch wise file of data containing student name, programme, year of study, contact*		0	0	30

	details with email and phone number, present status (employment/higher studies).				
8.4.1	Number of students participated in sports at state/national/ international level during the last 3 years 7. International : 10 wt per student 8. National : 5 wt per student *9.* State : 3 wt per student	<100	<100		20
	Documentary evidences: *Participation certificates*		< 100	20	20
8.4.2	Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years 5. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 6. Intramural (1^{st} and 2^{nd} prices) : 5 wt per student	<100	<100		20
	Documentary evidences: *Award certificates*		<100	20	20
8.4.3	Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 3 years 7. International : 10 wt per student 8. National : 5 wt per student 9. State : 3 wt per student	0	0		20
	Documentary evidences: *Participation certificates*		0	0	20
8.4.4	Number of awards/ medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years 5. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 6. Intramural 1^{st} and 2^{nd} prices) : 5 wt per student	0 0	0		20
	Documentary evidences: *Award certificates*		0	0	20
8.4.5	Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years Weightage distribution: 75% - 100% : 20 wt				

	50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	0	0	0	20
	Average weight scored ***Documentary evidences:*** *3. Letter from the agency/Any other documents relating to the activity*		0	0	20
8.4.6	Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3 years Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	0	0	0	10
	Average weight scored ***Documentary evidences:*** *3. List from the concerned teacher in charge (programme officer, NCC Officer, etc.)*		10	0	10
8.4.7	Total number of academic events organized with professional societies/ chapters Example: **Name of the student** | **Name of society/chapter** | **Academic event organized** **NA** | | 117 **NA** | | **NA** | |	0	0		10

	2 wt per event				
	Average weight scored ***Documentary evidences:*** *7. Brochures of the events* *8. Photographs of the events* *9. Reports of the events*		0	0	10
8.4.8	(a) Organization of paper contests/design contests/ exhibition, etc. during the last 3 years by department organization 2 wt per one event –Maximum wt 10.	0× 2 = 0	0		
	Average weight scored ***Documentary evidences:*** *5. Brochures* *6. Photographs*		0/3=0	0	10
8.4.9	Total number of UG/PG/PhD student publications in UGC approved research journals 5 wt per publication (Maximum 20 wt) 1. 2018-19 2. 2019-20 3. 2020-21	0 × 5 = 0 0 × 5 = 0 0 × 5 = 0	0		20
	Average weight scored ***Documentary evidences:*** *Copies of publications*		(0/3) = 0	0	20
8.4.10	(a) Total number of entrepreneurship initiatives during the last 3 years 5 wt per initiative 1. 2018-19 2. 2019-20 3. 2020-21	0 × 5 = 0 0 × 5 = 0 0 × 5 = 0			20
	Weight scored ***Documentary Evidences:*** *Report and photographs of each initiatives*		(0/3) = 0	0	20
	Total number of product designs and innovations 5 wt per product or innovation 1. 2018-19 2. 2019-20 3. 2020-21 117	0 × 5 = 0 0 × 5 = 0 0 × 5 = 0		15	30
	Weight scored ***Documentary Evidences:*** *Project report with working model*		0/3 = 0	0	30

8.4.11	Average number of awards in inter – institute events/ intercollegiate fest/exhibition/ paper contests/design contests, etc. for students (1st, 2nd, 3rd prices) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of students achieved in such contests}}{\text{Total number of students in the dept}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	0	0 0 0		10
	Average weight scored ***Documentary evidences:*** *Certificates of achievement*		(0/3) = 0	0	10.0
		Total		125	370

19. Faculty contributions

Metric No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
9.3.1	(a) Percentage of full time teachers with Ph.D. Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{No. of teachers in the department registered for Ph. D.}}{\text{Total No. of teachers in the department}} \times 100$	$(0/2) \times 100 = 0$	0		20
	Average weight scored ***Documentary evidences:*** 117 *3. Copy of Ph.D. certificate*		0	0	20
	(b) Percentage of full time teachers registered for Ph.D. after appointment (during the last 3 years)				

	Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{No. of teachers in the department awarded Ph. D.}}{\text{Total No. of teachers in the department registered for Ph. D.}} \times 100$	0	0	0	10
	Average weight scored ***Documentary evidences:*** *3. Copy of registration certificate (valid for five years from the date of registration)*		0	0	10
9.3.2.	Number of teachers awarded university/state/national/international fellowship (post-doctoral) for advancedstudies/research during the last 3 years International: 8 wt National : 6 wt State : 4 wt University : 2 wt 1. 2018-19 2. 2019-20 3. 2020-21	0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	20.0
9.3.3	Percentage of teachers recognized as research guides Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers with Ph. D.}} \times 100$	0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order*		0	0	20

9.6	Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years Weightage distribution: 7. 3 Ph.D.s awarded per teacher : 20 wt 8. 2 Ph.D.s awarded per teacher : 15 wt 9. 1 Ph.D. awarded per teacher : 10 wt $\frac{\text{Total number of Ph. D. degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$	0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order of award of Ph.D. degree*		0	0	20
9.7	Average percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, virtual lab etc. Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$	$(2/2) \times 100 = 100$	10		10
	Average weight scored ***Documentary evidences:*** *5. List of teachers* *6. ICT resources prepared by each teacher in CD format/uploaded in the College website*		10	10	10
9.8	Faculty as participants/ resource persons in faculty professional development/ training Activities/ seminars/ workshops/ symposia/ conferences (national & international) International: 7. No. of faculties >10 : 10 wt 8. No. of faculties 5-10 : 5 wt 9. No. of faculties 1-5 : 2 wt National: 7. No. of faculties >10 : 5 wt 8. No. of faculties 5-10 : 3 wt 9. No. of faculties 1-5 : 1 wt				10
	Average weight scored ***Documentary evidences:*** *5. List of teachers* *6. Certificates of participation*				10.0
9.10.1	Number of research papers per teacher in the Journals notified on UGC website during the last 3 years Weightage distribution:				

	9. > 5 papers per teacher : 20 wt 10. 3-4 papers per teacher : 15 wt 11. 2 papers per teacher : 10 wt 12. 1 paper per teacher : 5 wt $\frac{\text{Total number of publications in the last 3 years}}{\text{Total number of teachers who published}}$	0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of the papers*		0	0	20
9.10.2	Number of books and chapters in edited volumes / books published (ISSN), and papers in national/international conference-proceedings (ISSN) per teacher during the last 5 years Weightage distribution: 7. 20 wt per book 8. 10 wt per book chapter 9. 4 wt per papers in national/ international conference - proceedings	0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of the books and chapters in edited volumes / books published, and papers in national/international conference-proceedings*		0	0	20
9.10.3	Sum of the bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index Weightage distribution: 11. Citation index > 10 : 30 wt 12. Citation index 7.0-9.9 : 20 wt 13. Citation index 4.0-6.9 : 10 wt 14. Citation index 1.0-3.9 : 5 wt 15. Citation index 0.1-1 : 2 wt	0	0		30
	Average weight scored ***Documentary evidences:*** *Proof of citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index*		0	0	30
9.11.1	Number of Patents published/awarded Weightage distribution: 10 wt per patent	0× 10 = 10	0		20
	Average weight scored ***Documentary evidences:*** *Copy of patent published/awarded*		0	0	20
9.12.1 & 9.12.3	Major Research projects sponsored[117] by government sourcessuch as UGC, DST, DBT, KSCSTE, etc. and non-government sources such as industry, corporate houses, international bodies, endowments etc.				

	(completed) Weightage distribution: 10 wt per MRP completed.	10 ×0 = 0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	20
9.12.2	Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees) (Completed) Weightage distribution: 5 wt per project completed	5 ×0 = 0	0		15
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	15
9.12.4	Revenue generated from Consultancy Weightage distribution: 5 wt per consultancy	5 ×0 = 0	0		15
	Average weight scored ***Documentary evidences:*** *5. Copy of MoU* *6. Copy of bank account statements*		0	0	15
9.12.5	Revenue generated from corporate training by the department during the previous year Weightage distribution: 5 wt per training programme	5 ×0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of bank account statements*		0	0	10
9.13	Number of awards for innovation won by teachers Weightage distribution: 5 wt per award	5 ×0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	10
9.14	Faculty interaction with International Collaborations Weightage distribution: 10 wt per collaboration	10 ×0 = 0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of MoU*		0	0	20
9.15.1	Membership in academic bodies in Universities / other colleges Weightage distribution:				

	5 wt per membership	5 ×0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of membership approval letter/email/order*		0	0	10
9.16	Reviewer/Editors of International and national journals/Books (ISSN) Weightage distribution: International: 5. 5 wt per editorship 6. 2 wt per reviewership National: 5. 3 wt per editorship 6. 1 wt per reviewership	 5 × 0 = 0 2 ×0 = 0 3 × 0 = 0 1 × 0= 0	 0 0 0 0		10
	Average weight scored ***Documentary evidences:*** *Copy of invitation letter/email/order from the journal to become reviewer/editor*		0	0	10
9.17	Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 3 years Average hours spent by each faculty: $\left(\frac{\text{Total hours spent by all the faculties in an year}}{\text{Total number of faculties}}\right)$ 13. Greater than 200 hrs : 20 wt 14. 100 to 200 hrs : 15 wt 15. 50 to 100 hrs : 10 wt 16. 10 to 50 hrs : 5 wt 17. 1 to 10 hrs : 2 wt 18. 0 hrs : 0 wt	0	0		20
	Average weight scored ***Documentary evidences:*** *5. List of faculties involved* *6. Copy of relevant certificates/ orders/other documents duly signed by the Principal*		0	0	20
9.18	Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years				

	Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$	$(0/1) \times 100 = 0$	0		10
	Average weight scored ***Documentary evidences:*** *Copy of relevant certificates/orders/other documents duly signed by the Principal*		0	0	10
		Total		10	340

20. Academic Support Units and Teaching-Learning-Evaluation Process

Metric No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
10.1.1.	Ratio of mentor to students for academic and stress related issues (Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt				

	$\frac{\text{Number of mentors}}{\text{Total number of teachers in the department}} \times 100$	0	0		20
	Average weight scored ***Documentary evidences:*** *5. List of students under each mentor* 6. *Documentary evidences on mentor:mentee interactions*		0	0	20
10.1.2	Indicate whether the department has an effective student grievance addressing system or not. 5. Yes – 10 wt 6. No – 0 wt	Yes	10		10
	Average weight scored ***Documentary evidences:*** *5. List of students registered complaints* *6. Copies of action taken reports*		10	10	10
10.2.1	Tutorial classes to address student questions Average no. of tutorial classes conducted per teacher in an year: 11. 16 – 20 classes : 10 wt 12. 11 – 15 classes : 8 wt 13. 6 – 10 classes : 6 wt 14. 3 – 5 classes : 4 wt 15. 1 – 2 classes : 2 wt $\frac{\text{Total number of tutorial classes conducted}}{\text{Total number of teachers conducted tutorial classes}}$	0	0		10
	Average weight scored ***Documentary evidences:*** *3. Attendance register of students*		0	0	10
10.2.6	Describe the number of capability enhancement and development programmes Weightage distribution: 2 wt per programme	2 ×0= 0	0		10
	Average weight scored ***Documentary evidences:*** *5. Brochures of the programmes* *6. Attendance register of students*		0	0	10
10.2.6.3	Average percentage of students participated for competitive examinations and career counseling offered by the department/college during the last five years (e.g. feel employable programme)				

	Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	0	0		20
	Average weight scored ***Documentary evidences:*** *5. Brochures of the programmes* *6. Attendance register of students*		0	0	20
10.2.9	Does the department have a system to check malpractices and plagiarism 5. Yes – 10 wt 6. No – 0 wt	No	0		10
	Average weight scored ***Documentary evidences:*** *5. Web-link of the plagiarism detection software* *6. Action taken report*		0	0	10
		Total		10	80

12.Events in Departments

Metric No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
12.1.1	Average number of national/international seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years Weightage distribution: International: 5. 2 – 4 programmes: 20 wt 6. 1 – 2 programmes: 10 wt National: 5. 2 – 4 programmes: 10 wt 6. 1 – 2 programmes: 5 wt				

	1. 2018-19 2. 2012-20 3. 2020-21	0 0 0	0		20
	Average weight scored ***Documentary evidences:*** *9. Brochure of the programme* *10. Photos of the programmes* *11. Reports of the programme* *12. Copy of publication of proceedings*		0/3 = 0	0	20
12.1.2	Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 5 years Weightage distribution: 10 wt per summer school programme	10 × 0 = 0			10
	Average weight scored ***Documentary evidences:*** *7. Brochure of the programme* *8. Photos of the programme* *9. Reports of the programme*		0	0	10
12.1.3	Average number of awards for innovation won by department during the last 3 years Weightage distribution: 5 wt per award	5 ×0 = 0			10
	Average weight scored ***Documentary evidences:*** *Copy of award certificate*		0	0	10
12.1.4	Average number of academicians visited for talks or lectures Weightage distribution: 2 wt per programme	2 ×0 = 0			10
	Average weight scored ***Documentary evidences:*** *7. Brochure of the programme* *8. Photos of the programme* *9. Reports of the programme*		0	0	10
12.2.1	Number of Collaborative activities for research, faculty exchange,student exchange during the last 5 years (other than faculty collaborations) Weightage distribution: 10 wt per collaboration 117	10 × 0 = 0			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such programmes*		0	0	20

12.2.2	Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 5 years Weightage distribution: 5 wt per MoU	5 ×0 = 0			10
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such linkage programmes*		0	0	10
12.2.3	Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 5 years (only functional MoUs with ongoing activities to be considered Weightage distribution: 5 wt per MoU	5 ×0 = 0			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's*		0	0	20
12.3.1	Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government, department scholarships) during the last 5 years (Weightage distribution: 30% - 40% : 20 wt 20% - 29% : 15 wt 10% - 19% : 10 wt 1% - 9% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	0	0	0	20
	Average weight scored ***Documentary evidences:*** *Agreement of the Scheme with the Stakeholders*		0	0	20
12.4	Fund generated by the department (e.g. SARD scheme of KSCSTE) 117 Weightage distribution: 10 wt per project	10 ×0 = 0			20
	Average weight scored		0	0	20

	Documentary evidences: *7. Sanction/concurrence letters/orders* *8. Bank account statements* *9. Cash Register*				
12.5	Total number of employability training programmes conducted by the department during the last 3 years and the total number of students attended the programme Weightage distribution: 5 wt per programme	5 ×0 = 0			10
	Average weight scored ***Documentary evidences:*** *5. Brochures* *6. List of students programmewise*		0	0	10
12.6	Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes Weightage distribution: 2 wt per programme	2 ×0 = 0			10
	Average weight scored ***Documentary evidences:*** *Copy of participation certificates*		0	0	10
12.7	Details of extension activities of regular nature organized by the department in adopted villages Weightage distribution: 5 wt per programme	5 ×0 = 0			20
	Average weight scored ***Documentary evidences:*** *7. Brochures of the programme* *8. Photos of the programme* *9. Reports of the programme*		0	0	20
12.8	Details of activities organized by the department to promote universal values Weightage distribution: 2 wt per programme	2 ×0= 0			10
	Average weight scored ***Documentary evidences:*** *7. Brochures of the programme* *8. Photos of the programme* *9. Reports of the programme*		0	0	10
12.9	Total number of cultural activities/ competitions organized by the department during the last 3 years Weightage distribution: 2 wt per activity	2 ×7= 14			10

	Average weight scored ***Documentary evidences:*** *7. Brochures of the programme* *8. Photos of the programme* *9. Reports of the programme*		14	10	10
12.10	Alumni contribution during the last 3 years (Amount in Rupees) Amount: 15. > 5 Lakhs : 20 wt 16. 1-5 Lakhs : 10 wt 17. 0.5 – <1 Lakh : 5 wt 18. < 0.5 Lakhs : 1 wt	0	0	0	30
	Average weight scored ***Documentary evidences:*** *7. Copy of cheques, DD's etc. obtained from Alumni* *8. Bank account statements* *9. Cash register*		0	0	30
		Total		10	230

Feedback

10.2.3	Feedback received from: 1) Students – 3 wt 2) Teachers – 3 wt 3) Employers – 3 wt 4) Alumni – 3 wt 5) Parents – 3 wt for design and review of syllabus - Semester wise /year wise.	0	0		15
	Average weight scored ***Documentary evidences:*** *5. Feedback reports* *6. List of corrective measures taken*		0	0	15
		Total		0	15

Qualitative Matrices:

Part – C

19. Vision, Mission and Programme Outcomes

20. Programme Specific Outcomes with global relevance for developmental needs

21. Programme Curriculum

21.1. Curriculum

21.2. ..... Components of Curriculum and their relevance to PSOs and POs

21.3. Core subjects and their relevance to Program outcomes

21.4. Course Syllabus

21.5. ..... Measure s and processes used to identify the curricular gaps to the attainment of the COs/PSOs with global relevance for developmental needs.

21.6. ..... Vertical mobility of programmes

21.7. content beyond syllabus imparted for the attainment of the COs/PSOs

9. Faculty Contributions

9.4. Faculty competencies in correlation to Programme Specific Criteria

9.5. Academic Calendar and Teaching plans

21. Continuous improvements

11.15. Improvement in Success Index of Students

11.16. Improvement in Academic Performance Index of Students

11.17. Improvement in Student-Teacher Ratio

11.18. Enhancement of Faculty Qualification Index

11.19. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

11.20. Continuing Education

11.21. New Facility Created

13. SWOT analysis

14. Student Perception

15. Any other relevant points included by the peer team

Score Calculation:

Maximum total weight of Qn. Matrices = 1125 (75% of the maximum total weight)
Maximum total weight of Ql. Matrices = 375 (25% of the maximum total weight)
Maximum total weight = 1125 + 375 = 1500
Maximum CGPA = 4.0
Scored weight of Qn. Matrices = 155
Scored weight of Ql. Matrices = Y
Scored total weight = Scored weight of Qn. Matrices + Scored weight of Qn. Matrices
= 155 + Y
= 117

$$\text{Obtained CGPA} = \left(\frac{\text{Scored total weight}}{1500}\right) \times 4$$

$$= \left(\frac{}{1500}\right) \times 4$$

Obtained CGPA =

Range of Departmental Cumulative Grade Point Average (CGPA)	**Grade**
3.51 – 4.00	A++
3.26 – 3.50	A+
3.01 – 3.25	A
2.76 – 3.00	B++
2.51 – 2.75	B+
2.01 – 2.50	B
1.51 – 2.00	C
≤ 1.50	D

CMS COLLEGE (AUTONOMOUS) KOTTAYAM

DEPARTMENT SELF – ASSESSMENT REPORT (DSAR) MANUAL

DEPARTMENT OF COMMUNICATIVE ENGLISH

October 2021

DEPARTMENTSELF – ASSESSMENTREPORT (DSAR) MANUAL

The Department Self Assessment Report (DSAR) is intended to shed light into the current status of the department in terms of its Strength, Weakness, Opportunities and Threats. As such, the department is expected to provide accurate data and observations that reflect the true and real status of the department. The data that will be collected from the department would fall into three parts.

- **Part A** : Basic data of the department (will not be used for assessment)
- **Part B** : Data about infrastructure, governance, financial status (will not be used for assessment)
- **Part C** :Data collected in this part will be used for assessment and accreditation.

The department should provide data for the academic years 2018-19, 2019-20, 2020-21 (past 3 years) separately under each relevant question and for each UG and PG programmes offered.

The department need not supply the supporting documents while submitting the DSAR, but should keep them in original for peer team assessment. After the assessment, softcopies/scanned copies of supporting documentsmust be sent to dsar@cmscollege.ac.in within a week of assessment.

For queries, please e-mail to dsar@cmscollege.ac.in.

PART A

47. Departmental Information

47.1. ..... Name and address of the department

BA English Literature, Language and Communication

BA Communicative English CMS College
Kottayam

47.2. ..... Name, designation, telephone number, and e-mail address of the head/contact person.

Dr GigyJosephMob : 9447277062
Email :hodcommunicativeenglish.sf@cmscollege.ac.in

47.3. ..... History of the department including dates of introduction and number of seats ofvarious programmes of study.

The department began its journey 22 years back 1996. From then on, the department has settled the futures of more than 2000 students. The students who have done their education in

this department are well placed in different endeavors in various corners of this world. The department takes pride in being regarded as one of the brightest departments in the college.

B.A English (Triple Main) with English Literature, Communication and Journalism is a course made to train future journalists, communication professionals and academicians on an equal footing. The course carefully designed to have equal credits on all the three main programmes will give a potential student a chance to opt for any related mastersprogramme, be it in literature, journalism, advertising, public relations etc to name a few. The course design promotes independent thinking, comprehension and fluency in language and literature so that the students will fare extremely well, whatever the career path they might choose. For the literature enthusiast, the course provides an overview of the development of English Literature through the ages. Also, in the course of six semesters, the students will develop their critical thinking faculty through interactions with prose, poetry and fiction. There are adequate training opportunities to improve the language capabilities and bilingual competency of the students with the help of courses on grammar, creative writing and translation studies. There are opportunities to acquire self awareness and emotional maturity while also understanding about dealing with the real world when they learn essential conversational and interpersonal skills.

47.4. ..... Mission and Vision of the department:

Vision

The department shall be a centre of excellence in various skills especially communication, social graces, employments and personal integrity.

Mission

The department strives to

- Toachieve excellence and employability for ourpupils.
- Totrain the students in various skills – languageskills, communication and journalistic skills- so that they will be able to pursue careers in variety of fields.
- Tonurture integrity of character, empowerment of the weakersections

47.5. ..... List of the programmes/ departments which share human resources and/or the facilities of this department/ programme (in %).

B.A ENGLISH LITERATURE, COMMUNICATION AND JOURNALISM

47.6. ..... Total number of students:106

47.7. ..... Total number from other states and countries: NIL

47.8. ..... Total number of differently abled students: NIL

47.9. ..... Minimum and maximum number of staff on roll in college, during the current and five previous academic years in the department:

(A tabular format may be used)

47.10. ..... Details of full time teachers against sanctioned posts

(Position sanction letters verified by DCF of AISHE or the concerned authority, Soft copy of appointment letters of faculties during 3 years, Pan No. of faculties)

47.11. Full time teachers from other states against sanctioned posts(Softcopy of supporting document)

47.12. Faculty experience

Name of the Full-time teacher	PAN	Designation	Year of appointment	Total years of Experience as on 31/10/2021	Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution
Dr Gigy Joseph	**ABSPJ7760R**	**HOD**	**2018**	35	Still in office
Arun Varghese Thomas	AZXPT4534E	Asst. Prof	2016	5	Still in office
Dr Prathiba Anne Baby		Asst Prof	2019	3	Still in office
Aswathi Mary Vaghese		Asst Prof	2018	4	Still in office

47.13. Total number of differently abled teachers:nil

47.14. Percentage of full time teachers with Ph.D.

Percentage =

50%

Name of full time teacher with PhD	Number of full time teachers with PhD	Total number of full time teachers
Dr Gigy Joseph	2	4
Dr Prathiba Anne Baby		

47.15. Is the department an approved research centre by University / National / International bodies?
(Yes/No; provide order number with year and name of affiliating University)

47.16. Summary of budget for the Previous Financial Year (PFY) and the actual expenditure incurred in the PFY.

47.17. Summary of budget for the Current Financial Year (CFY).

PART B

48. Facilities and Technical Support

48.1. ..... Class rooms in the Department

48.1.1. ..... Adequate number of rooms for lectures (core/electives), seminars, tutorials, etc.for the program

The department has 3 classrooms which are utilized as lecture rooms and a seminar hall

Purpose of the class rooms	No. of existing classrooms	No. of class rooms required
lectures	3	
Seminars	1	
Tutorials	-	
Total number of classrooms required		-

48.1.2. ..... Teaching aids – multimedia projectors, etc.

The department has 3 classrooms and a seminar hall. Out of the 3, one classroom has all the ICT facilities. The seminar hall can accommodate a maximum of 200 students and it also has all the ICT facilities

Type of facility	No. of existing classrooms with the facility	No. of class rooms with the facility required

Multimedia projector	1	
Screen	1	
Smart boards	-	
Wireless microphone	1	
Speaker	1	
Computer	1	
UPS	1	
Server	1	
Document camera	-	
Educational softwares	1	
WIFI/LAN facilities	1	
Total number of classrooms with teaching aids required		-

48.1.3. Acoustics, class room size, conditions of chairs/benches, air circulation, lighting, exits, ambiance, and such other amenities/facilities

The classrooms that are utilized as lecture halls are 3 in number. The acoustics, condition of chairs/benches are beyond satisfaction. The air circulation of these rooms and lighting are sufficient. The acoustics are strong enough in all the classrooms. Each classroom has a size to accommodate more than 50 students at a time.

48.1.4. Seminar halls with ICT facilities

Type of facility	**No. of existing seminar halls with the facility**	**No. of seminar halls with the facility required**
Multimedia projector	1	
Screen	1	
Smart boards	-	
Wireless microphone	1	
Speaker	1	

Computer	1	
UPS	1	
Server	-	
Document camera	-	
Educational softwares	1	
WIFI/LAN facilities	1	
Total number of seminar halls with ICT facilities required		

48.2. ..... Faculty Rooms in the Department

48.2.1. ..... Availability of individual faculty rooms

The department has a faculty room which can accommodate 5 teachers.

48.2.2. ..... Room equipped with white/black board, computer, Internet connectivity, adequate number of plug points, UPS connectivity and such other amenities/facilities

The faculty room of the department has the convenience of Internet connectivity, white board, a computer and adequate number of plug points which can power up any number of electronic devices.

48.2.3. ..... Usage of room for discussion/counseling with students

48.3. ..... Laboratories in the Department to meet the Curriculum Requirements and the PSOs

48.3.1. ..... Adequate, well-equipped laboratories to meet the curriculum requirements and the PSOs

(Provide a description with the number of laboratories and lack of thereof, if any)

48.3.2. ..... Adequate, well-equipped laboratories to conduct research projects

(Provide a description with the number of laboratories and lack of thereof, if any)

48.3.3. ..... Equipments to run experiments and their maintenance, Number of students per experimental set up, Size of the laboratories, overall ambience etc.

(Provide both quantitative and qualitative information)

Name of the equipment	Number of students per equipment/experiment	Size of the laboratories

48.3.4. ..... Availability of computing facilities in the department

Number of computer labs	Number of computers	Number of UPS	Number of servers	Internet connectivity (yes/no) Speed (mb/ps)	Access to e-resources (yes/no)	Student : Computer ratio

(Provide a description with the number of computers and related facilities, adequate space for laboratory etc. and lack of thereof, if any)

48.3.5. ..... Availability of laboratories with technical support within and beyond working hours

(Provide a description of the type and extent of technical support lent to the laboratories, number of such laboratories, number of technicians assigned to each laboratory and lack of thereof, if any)

48.4. ..... Technical Manpower Support in the Department

48.4.1. ..... Availability of adequate and qualified technical supporting staff for program specific laboratories and lack of thereof, if any.

48.4.2. ..... Incentives, skill-up gradation and professional advancement.

49. Infrastructure, Governance, Institutional Support and Financial Resources

49.1. ..... Campus infrastructure and facility

49.1.1. ..... Maintenance of academic infrastructure and facilities

The department of Communicative English consists of a faculty room, 3 classrooms and a seminar hall.

49.1.2. ..... Hostel (boys and girls), transportation facility, and canteen

The female students of the department use the college hostel and various other hostels around the city. All the students rely on their own modes of transportation. The college campus has 2 canteens which are used by our students too.

49.1.3. ..... Electricity, power back up, telecom facility, drinking water, and security

The electrical affairs are rather strong enough to power up all the electronic devices. The power back up of the department is relied upon the college generators. The drinking water facilities set by the college satisfies the respective requirements.

49.2. ..... Organization, Governance and Transparency

49.2.1. ..... Governing body, administrative setup, and functions of various bodies and cells

The department has various committees which overlooks internal examination, association matters and staff concerns.

49.2.2. ..... Defined rules, procedures, recruitment, and promotional policies, etc.

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

49.2.3. ..... Decentralization in working, including delegation of financial power and grievance redressal system

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

49.2.4. ..... Transparency and availability of correct/unambiguous information disseminated among the department staff

49.3. ..... Budget Allocation, Utilization and public Accounting

49.3.1. ..... Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

49.3.2. ..... Utilizati on of allocated funds

(Provide description with numbers related to utilization)

49.4. ..... Program me Specific Budget Allocation, Utilization

49.4.1. Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

49.4.2. Utilization of allocated funds

(Provide description with numbers related to utilization)

49.5. Facilities: Animal House/Green House / Museum, Fabrication facility, Media laboratory/Business Lab/Studios, Research/Statistical Databases(Year of establishment, Hyperlink of videos and pictures (geotagged) – verified from DCF of AISHE)

49.6. ..... Library

49.6.1. Library space and ambience, timings and usage, availability of a qualified librarian and other staff, library automation, online access, networking, specialized facilities (ILL, download, printing, facilities for differently abled students) etc.

(Provide description)

49.6.2. Titles and volumes per title of books, journals and periodicals.

(List the titles and volumes per title)

49.6.3. Scholarly journal subscription

(List the details of journals including publisher, ISBN number, broad range of study, specific field of study, how the subscription of a specific journal is beneficial for faculty and students)

49.6.4. Digital Library

49.6.5. Library expenditure on books, magazines/journals, and miscellaneous contents

(Provide description with numbers related to expenditure)

49.6.6. Number of withdrawal of books by students in the previous year*****

Formula:

$$\frac{\text{Number of withdrawal of books from department library in previous year}}{\text{Total number of students}} \times 100$$

$$\frac{\text{Number of withdrawal of books from College library in previous year}}{\text{Total number of students}} \times 100$$

*Source: Issue register

49.7. ..... Internet

(Indicate the internet usage policy, whether satisfactory internet speed is available all the time etc.)

49.8. ..... Safety norms

49.8.1. Checks for wiring and electrical installations for leakage and earthing.

(Provide description)

49.8.2. Fire-fighting measurements: Effective safety arrangements with emergency / multiple exits and ventilation / exhausts in auditoriums and large classrooms / laboratories, fire-fighting equipment and training, availability of water, and other such facilities.

(Provide description with the number of equipments available and lack of thereof, if any)

49.8.3. Safety of civil structure

(Provide description)

49.8.4. Handling of hazardous chemicals and such other activities

(Provide description and issues, if any)

49.9. ..... Counseling and Emergency Medical Care and First-Aid

49.9.1. Availability of counseling facility

(Provide description and issues, if any)

49.9.2. Arrangement of emergency medical care

(Provide description and issues, if any)

49.9.3. Availability of First Aid Unit

(Provide description and issues, if any)

PART C

50. Programme Specific information

50.1. ..... Name of the Programme

BA ENGLISH LITERATURE COMMUNICATION AND JOURNALISM

50.2. ..... Title of the Degree

BA ENGLISH LITERATURE COMMUNICATION AND JOURNALISM

50.3. ..... History of the programme

51. The department began its journey 22 years back 1996. From then on, the department has settled the futures of more than 2000 students. The students who have done their education in this department are well placed in different endeavors in various corners of this world. The department takes pride in being regarded as one of the brightest departments in the college. B.A English (Triple Main) with English Literature, Communication and Journalism is a course made to train future journalists, communication professionals and academicians on an equal footing. The course carefully designed to have equal credits on all the three main programmes will give a potential student a chance to opt for any related mastersprogramme, be it in literature, journalism, advertising, public relations etc to name a few. The course design promotes independent thinking, comprehension and fluency in language and literature so that the students will fare extremely well, whatever the career path they might choose. For the literature enthusiast, the course provides an overview of the development of English Literature through the ages. Also, in the course of six semesters, the students will develop their critical thinking faculty through interactions with prose, poetry and fiction. There are adequate training opportunities to improve the language capabilities and bilingual competency of the students with the help of courses on grammar, creative writing and translation studies. There are opportunities to acquire self awareness and emotional maturity while also understanding about dealing with the real world when they learn essential conversational and interpersonal skills.

51.1. ..... Deficiencies, weaknesses/concerns and challenges from previous accreditations of NAAC

(Provide description)

51.2. ..... Total number of students in the programme:

(Instruction: Total number of students, both boys and girls, has to be listed here. The data may be categorized in tabular form under graduate, post graduate, Doctoral Degree, or other program, if applicable.)

Year	Total number of students in UG programme	Total number of students in PG programme	Total number of students in Ph.D. programme	Total number of students in diploma/ certificate/ other programmes

	Male	Female	Male	Female	Male	Female	Male	Female

52. Vision, Mission and Programme Outcomes

52.1. ..... Vision and Mission

52.1.1. State the Mission and Vision of the College and department in relation to programme outcomes

(List and articulate the mission and vision statement of the College and department)

52.1.2. Indicate how and where the Vision and Mission are published and disseminated

(Describe in which media (e.g. websites, curricula books) the vision and mission are published and how these are disseminated to stakeholders)

52.1.3. Mention the process for defining Vision and Mission of the department

(Articulate the process involved in defining the vision and mission of the department from the vision and mission of the College)

52.2. ..... Program Outcomes

52.2.1. Describe the Programme Outcomes (POs)

(List and articulate the program outcomes of the program under accreditation)

52.2.2. State how and where the POs are published and disseminated

(Describe in which media (e.g. websites, curricula books) the POs are published and how these are disseminated to stakeholders)

52.2.3. List Stakeholders of the Program

(List stakeholders of the program under consideration for accreditation and articulate their relevance)

52.2.4. State the process for establishing POs

(Describe the process that periodically documents and demonstrates that the POs are based on the needs of the program's various stakeholders.)

52.2.5. Establish consistency of POs with Mission

(Describe how the PO's are consistent with the Mission of the department.)

52.3. ..... Attainment of Program Outcomeswith global relevance for developmental needs

52.3.1. Justify the contributions of the Programme Curriculum towards attainment of POs

(Describe the broad curricular components that contribute towards the attainment of the POs.)

52.3.2. Explain how administrative system helps in ensuring the attainment of POs

(Describe the committees and their functions, working process and related regulations.)

52.3.3. Indicate the additional co-curricular activities undertaken towards the attainment of the POs

52.4. ..... Assessment of the attainment of Programme Outcomeswith global relevance for developmental needs

52.4.1. Indicate tools and processes used in assessment of the attainment of POs

Describe the assessment process that periodically documents and demonstrates the degree to which the PO's are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each PO is based. Examples of data collection processes may include, but are not limited to, employer surveys, graduate surveys, focus groups, industrial advisory committee meetings, or other processes that are relevant and appropriate to the programme; the frequency with which these assessment processes are carried out.

52.4.2. Provide the evidence of the achievement of POs

The expected level of attainment for each of the PO.

Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the PO is being attained; and how the results are documented and maintained.

52.4.3. Indicate how the POs have been redefined the past

53. Programme Specific Outcomeswith global relevance for developmental needs

53.1. ..... Definition and Validation of Course Outcomes and Programme Specific Outcomes

53.1.1. List the Course Outcomes (COs) and Programme Specific Outcomes (PSOs)

(List the Course Outcomes (CO) of the courses in programme curriculum and programme specific outcomes (PSO) of the programme under accreditation)

53.1.2. State how and where the PSOs are published and disseminated

(Describe in which media (eg. websites, curricula, books etc.) PSOs are published and how the same is disseminated among stakeholders).

53.1.3. Indicate processes employed for defining PSOs

(Describe the process that periodically documents and demonstrates that the PSOs are defined in alignment with the graduate attributes of NAAC)

53.1.4. Indicate how defined PSOs aligned to Graduate Attributes prescribed by UGC

(Indicate how the PSOs defined for the programme are aligned with the Graduate Attributes of UGC)

53.1.5. Establish the correlation between PSOs and POs

Explain how the defined PSOs of the programme correlate with the POs

53.2. ..... Attainment of Programme Specific Outcomes

53.2.1. Illustrate how Course outcomes (CO) contribute to PSOs

(Provide the correlation between the course outcomes and the programme specific outcomes. The strength of correlation may also be indicated)

53.2.2. Explain how modes of delivery of courses help in attainment of PSOs

(Describe the different course delivery methods/ modes, e. g. lectures interspersed with discussion, asynchronous mode of interaction, group discussion projects etc., used to deliver the courses and justify the effectiveness of these methods for the attainment of PSOs. This may be further justified using the indirect assessment methods such as course-end surveys.)

53.2.3. Indicate the extent to which the laboratory and project course work are contributing towards the attainment of the PSOs

(Justify the balance between theory and practical for the attainment of PSOs. Justify how the various project works (a sample of 20% best and average projects from total projects) carried as part of the programme curriculum contribute towards the attainment of the PSOs.)

53.3. ..... Assessment of the Attainment of Program Specific Outcomes

53.3.1. Describe assessment tools and processes used for assessing the attainment of each PSO

(Describe the assessment process that periodically documents and demonstrates the degree to which the PSOs are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each the PO is based. Examples of data collection processes may include, but are not limited to, specific exam questions, student portfolios, internally developed assessment exams, senior project presentations, nationally-normed exams, oral exams, focus groups, industrial advisory committee; the frequency with which these assessment processes are carried out.)

53.3.2. Indicate results of assessment of each PSOs

a) The expected level of attainment for each of the program outcomes;

b) Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the programme outcomes are attained; and

c) How the results are documented and maintained.

53.4. ..... Use of Assessment results towards improvement of programme

(Articulate, with rationale, how the results of the evaluation of the PSOs have been used to review/redefine the PSOs)

54. Program Curriculum

54.1. ..... Curriculum

54.1.1. Describe the Structure of the Curriculum

(List the course outcomes of the courses in programme curriculum and programme specific outcomes of the programme under accreditation)

54.1.2. Justify how the program curriculum satisfies the program specific outcomes

54.2. ..... State components of Curriculum and their relevance to PSOs and POs

(Program curriculum grouping based on different components).

54.3. ..... State Core subjects and their relevance to Program outcomes

54.4. Course Syllabus

(Include, in appendix, a syllabus for each course used. Syllabi format should be consistent and shouldn't exceed two pages.)

The syllabi format may include:

- Department, course number, and title of course
- Designation as a required or elective course
- Pre-requisites
- Contact hours and type of course (lecture, tutorial, seminar, project etc.)

- Course Assessment methods (both continuous and semester end assessment)
- Course outcomes
- Text books, and/or reference material

54.5. ..... Illustrate the measures and processes used to identify the curricular gaps to the attainment of the COs/PSOswith global relevance for developmental needs.

Organizing curriculum that reflects the experience of the students

(Details of the processes used to curricular gaps to the attainment of defined course outcomes and programme).

54.5.1. Syllabi revision –No: of programs added/dropped year wise.

Year of Introduction of the programme	If revision has been carried out in the syllabus during last 5 years	Year of revision	Title and code of the course added	Title and code of the course dropped	Percentage of Syllabus content added or replaced	Link of the relevant document

(Link of relevant document, Academic Council meeting minutes)

54.6. Vertical mobility of programmes

(Explain how and when mobility windows are provided during the course of a programme, how the students benefited the vertical mobility of programmes, what are the challenges and limitations etc.)

54.7. Indicate the content beyond syllabus imparted for the attainment of the COs/PSOs

(Details of content beyond syllabus imparted for the attainment of the COs/PSOs. This information may be provided course wise or modular wise)

54.8. Percentage of courses having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations for the last 5 years

Note: Calculate the percentage for courses addressing each issue separately.

54.8.1. UG programme[$]

$$\text{Percentage } = \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$$

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Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations

[$] If there are more than one UG programme in a department, provide the data and the percentage for them separately.

54.8.2. PG Programme[$$]

Formula:

Percentage $= \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations

[$$] If there are more than one PG programme in a department, provide the data and the percentage for them separately.

54.9. ..... New courses introduced:Certificate/Diploma, Twinning/Dual Degree Programme, Double Main/Triple Main, Open Courses, etc.

Name of the course	Year of Introduction	Aided/ Self-financing	Relevance to PSO and POs

(Documents of course approval or tie up if any,Minutes of AC/BOS)

54.10. Number of programmes withCBCS/elective course system implementedyear wise

Name of the programme	Title and code of the elective course	Number of hours and credit of the course	Relevance to POs and PSOs.

(Minutes of the BOS)

54.11. Number of value-added courses (with 30 or more contact hours) imparting transferable and life skills offered & percentage of students enrolled in those courses during the previous academic year

Formula:

Percentage of students enrolled in value added courses = $\frac{\text{Number of students enrolled in the courses in the last 3 years}}{\text{Total number of courses in all programmes}} \times 100$

Year -				
Name of the value added courses (with 30 or more contact hours)offered during last 5 years	**Course Code**	**No. of times offered during the same year**	**Number of students enrolled in the year**	**Number of Students completing the course in the year**

54.12. Employability/ entrepreneurship / skill development

54.12.1. Percentage of courses in UG programme having focus on employability / entrepreneurship / skill development for the last 3 years¶

Percentage =Number of courses with focus on employability / entrepreneurship / skill development / Total number of courses in the UG programme $\times 100$

Name of the Program	**Name of the Course**	**Year of introduction**	**Year of discontinuation**	**Activities with direct bearing on Employability/ Entrepreneurship/ Skill development**

¶ If there are more than one UG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

54.12.2. Percentage of courses in PG programme having focus on employability / entrepreneurship / skill development for the last 3 years¶

Formula:

Percentage =Number of courses with focus on employability / entrepreneurship / skill development / Total number of courses in the UG programme $\times 100$

Name of the Program	Name of the Course	Year of introduction	Year of discontinuation	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development

¶ If there are more than one PG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

54.13. Industry interaction/internship

(Give the details of industry involvement in the program such as industry attached laboratories and partial delivery of courses and internship opportunities for students).

54.13.1. Percentage of UG students undertaking field projects/internships in other institutions

Formula:

100%

1.1.1. institutions

Formula:

$$\frac{\text{Number of UG students undertaking field projects or internships}}{\text{Total number of UG students}} \times 100$$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out
	Abhiram A Hari – Kerala Kaumudi, Pathanamthitta	32	32	
	AbhiramiAnilkumar-Mangalam, Ernakulam			
	AdithGireesh – News 18,TVM			
	Ahsana P Sabi – Deccan Chronicle, Chennai			
	Akshay K R – Kerala Kaumudi, EKM	117		
	Amrutha Ashokan -			

	Desabhimani, EKM			
	Anand Chand Hari – The Deccan Chronicle, Kozhikode			
	Anjali G – Deshabhimani,EKM			
	Archana Santhosh – Kerala Kaumudi, Kozhikode			
	Emil Thomas – Kerala Kaumudi, EKM			
	Fareeda Fathima – The New Indian Express, Kozhikode			
	GeethuAcsa Abraham - The New Indian Express, Kottayam			
	Gopika Mahesh – Mangalam, Kottayam			
	Hiranyaraj – The Deccan Chronicle, Kozhikode			
	Indulekha P – News18, TVM			
	Lakshmi Raju – Mangalam ,Kottayam			
	Malavika Kannan – Mangalam, EKM			
	Mathew CAlex – Mangalam, Kottayam			
	Melvin Thomas Mathew – Kerala Kaumudi, Pathanamthitta			
	Mubeena Kabeer – Kerala Kaumudi, Kozhikode	117		

	Namitha Soman Pillai – The New Indian Express, Kottayam			
	NeenaElisabath Antony – Mangalam, Kozhikode			
	NikhithaSeira Alexander – The Deccan Chronicle, Kochi			
	Rachel Jagan – Deccan Chorinicle, Chennai			
	Roshia Sabu – The Indian Express, Kozhikode			
	RukmaRahul - Kerala Kaumudi, EKM			
	Sara Rachel Santhosh – The New Indian Express, Kochi			
	Shilpa Pankaj – Deccan Chronicle, Kochi			
	Sumin Geo Alex – Kerala Kaumudi, Kozhikode			
	Swathy S – Mangalam,Kozhikode			
	Swathychitra S – The Indian Express, EKM			
2018-19	**Veda Catherine George – Malayala Manorama, Pathanamthitta**			
2019-20	ABHIRAMI KRISHNA	34 117	34	DESHABHIMANI
	AISWARYA RAJ			INDIAN EXPRESS
	AKSHAY PRADEEP			KERALA KAUMADI
	ALFA RASHEED			DECCAN CHRONICLE

	AMBILY E H			TIMES OF INDIA
	ANAGHA R RATNA			DECCAN CHRONICLE
	ANGELINE MARIAN MATHEW			INDIAN EXPRESS
	ANITTA E			MANGALAM
	ANJALI SUSAN PHILIP			THE HINDU
	ANJANA KRISHNA A			DECCAN CHRONICLE
	ANJITHA N NAMBOOTHIRI			INDIAN EXPRESS
	ANU THANKAM REJI			KERALA KAUMADI
	ARCHANA MANOJ			KERALA KAUMADI
	ARDRA S			NEWS TODAY
	BENJAMIN BOBAN			DECCAN CHRONICLE
	BEWIN MATHEW ABRAHAM			ASIANET NEWS
	CAREN KIRAN			MANORAMA
	CHAITHANYA M			KERALA KAUMADI
	DONNY AUGUSTINE			DESHABHIMANI
	HEERA RAMESH			NEWS TODAY
	JIKKU K THOMAS			MANGALAM
	JIM GEORGE			NEWSBAND
	MEGHA MARIA STANLY			THE HINDU
	MELVY JACOB			THE HINDU
	NAYANA MOHAN			INDIAN EXPRESS
	PRANAV ABRAHAM			DECCAN CHRONICLE
	PRATHIBHA ANNA PRIYAN			DECCAN CHRONICLE
	RIDHIKA MANOJ			DECCAN HERALD
	SACHIN S B			MANGALAM
	SEETHAL THANKACHAN			DECCAN CHRONICLE
	SITHARA T			KERALA KAUMADI
	SONYMOL THOMAS			MANGALAM
	SREELAKSHMI K K			KERALA KAUMADI
2020-21	AALIYA JALEEL	34	34	KAUMUDI TV , TRIVANDRUM
	ALLEN SUNNY			DC BOOKS , KOTTAYAM
	AMRITHA JACOB			JANMABHUMI , THRISSUR
	ANAGHA J SUBHASH			VEEKSHANAM , KOCHI
	ANAMIKA SURESH			KAUMUDY TV , TRIVANDRUM
	ANINA JACOB			DC BOOKS , KOTTAYAM
	ANN MARIA THOMAS			MEDIA VILLAGE , CHANGANASSERY
	ARAVIND H			DC BOOKS , KOTTAYAM
	ASHIMA KABIR			DC BOOKS , KOTTAYAM
	BASIL BIJU			MEDIA VILLAGE , CHANGANASSERY
	DONA MARIYA JOSEPH	117		KERALA KAUMUDI , KOZHIKODE
	GLORY MARIAM MATHEW			JANMABHUMI , THRISSSUR
	J ATHIRA			KAUMUDI TV,

				TRIVANDRUM
	JUMANA ILLIAS			VEEKSHANAM , KOCHI
	KAVYA V			DC BOOKS , KOTTAYAM
	LAKSHMI NAIR			DESHABHIMANI , KOTTAYAM
	LAKSHMY A K			JANMABHUMI , KOTTAYAM
	MEGHA ANN BIJU			KERALA KAUMUDI , KOZHIKODE
	MOBIN VARGHESE THOMAS			MEDIA VILLAGE , CHANGANASSERY
	MONA HAREESH			KERALA VISION NEWS , ERNAKULAM
	NAVAMI A NAIR			KAUMUDI TV , TRIVANDRUM
	NIKHITHA BERNY			MEDIA VILLAGE ,CHANGANASSERY
	SAMEERA SAKEER			CMS NEWS , KOTTAYAM
	SANGEETHA JOSHI			MEDIA VILLAGE , CHANGANASSERY
	SATHIABHAMA J NAIR			DC BOOKS , KOTTAYAM
	SHEYA KURIAN			DC BOOKS , KOTTAYAM
	SHOBITHA MATHEW			KERALA KAUMUDI , TRIVANDRUM
	SHYAM DRAVIDAN P T			MEDIA VILLAGE , CHANGANASSERY
	SOFIA MARY MATHEW			KERALA KAUMUDI , TRIVANDRUM
	SONA LAIJU			KERALA KAUMUDI , KOZHIKODE
	SRUTHY SREEKUMAR			DC BOOKS , KOTTAYAM
	TANYA MARY VINOD			KERALA KAUMUDI , TRIVANDRUM
	UTHARAMOL S			KERALA KAUMUDI , TRIVANDRUM
	VISMAYA VINOD			KERALA KAUMUDI, TRIVANDRUM

1.1.2. Percentage of PG students undertaking field projects/internships in other institutions

Formula:

$$\frac{\text{Number of PG students undertaking field projects or internships}}{\text{Total number of PG students}} \times 100$$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out

2. Result andStudents Performance

2.1. Success Rate (Result)

Formula:
Pass percentage = 93.93&

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

UG Subsidiary Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

UG Open Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

UG Common Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

UG Additional Language Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

PG Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

2.2. Academic Performance

2.2.1. Percentage of students qualifying state/ national/ international level examinations during the last 3 years (eg: NET/SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations/ other examination)

Formula:

Percentage =

$$\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students who have appeared for the exam}} \times 100$$

Academic year:

Registration number/roll number for the exam	**Number of students selected/ qualifying**								
	NET	**SLET**	**GATE**	**GMAT**	**CAT**	**GRE**	**TOFEL**	**Civil Services**	**State government examinations**

2.3. Placement and Higher Studies

2.3.1. Percentage of placement of outgoing students from UG programme during the last 3 years[$$]

Formula:

Percentage =

$$\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$$

Number of students placed	**Name of the employer with contact details**	**Package received**

[$$] If the department offers more than one UG programme, provide the data and the percentage for each programme

2.3.2. Percentage of student progression from UG programme to higher education, i.e. UG to PG (previous graduating batch)[##]

Formula: $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Name of program graduated from	**Number of students enrolling into higher education**	**Name of institution joined**	**Name of program admitted to**

[##]If the department offers more than one UG programme, provide the data and the percentage for each programme

2.3.3. Percentage of placement of outgoing students from PG programme during the last 3 years[$$]

Formula:

Percentage $= \frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$

Number of students placed	Name of the employer with contact details	Package received

[$$] If the department offers more than one PG programme, provide the data and the percentage for each programme

2.3.4. Percentage of student progression from PG programme to higher education , i.e. PG to M.Phil./PhD (previous graduating batch)[##]

Formula: $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Name of program graduated from	Number of students enrolling into higher education	Name of institution joined	Name of program admitted to

[##]If the department offers more than one PG programme, provide the data and the percentage for each programme

2.4. Extra-curricular Activities

(Instruction: Student support system concerned may provide data for the past five years)

2.4.1. Number of students participated in sports at intercollegiate / University / state/ national / international level during the last 3 years

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number

2.4.2. Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number

2.4.3. Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 3 years

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number

2.4.4. Number of awards/medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number

2.4.5. Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years

Formula:

Percentage =

$$\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$$

Name of the activity	Name of the student	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities	Total number of students

2.4.6. Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3 years

Formula:

Percentage =

$$\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$$

Name of the activity	Name of the student	Number of students participated in such activities	Total number of students

Provide table wise and year wise data separately for NSS/NCC/Clubs/College Union etc.

2.4.7. Professional societies/ chapters and organizing academic events

Name of the student	Name of society/chapter	Academic event organized

2.4.8. Organization of paper contests, design contests, etc., and achievements

Name of the student	Name of contest	Type of the contest	Achievements

2.4.9. Publication of technical magazines, newsletters, journals, etc.

Name of the student	Technical magazine				Newsletter				Journal			
	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.

2.4.10. Entrepreneurship initiatives, product designs and innovations
(Describe the initiatives taken)

2.4.11. Publications and awards in inter – institute events by students of the programme of study

Name of the student	Name of the awarding institute	Name of the event	Name of the award	Position acquired (first/second third)

3. Faculty Contributions

3.1. Student Teacher Ratio (STR)

3.2. Faculty Cadre Ratio

3.3. Faculty Qualifications

3.3.1. Percentage of full time teachers registered for Ph.D. (Value points will be given only for the first 3 years of registration)

Formula:

Percentage =

$$\frac{\text{Number of full time teachers in the department registered for Ph. D.}}{\text{Total number of full time teachers}} \times 100$$

Name of full time teacher registered for PhD	Date of registration	Number of full time teachers registered for PhD	Total number of full time teachers
Dr Gigy Joseph		2	4
Dr Prathibha Anne Baby			

3.3.2. Number of teachers awarded national/international fellowship for advancedstudies/research during the last 3 years

Year	Name of the teacher awarded national / international fellowship	Name of the award	Awarding Agency

3.3.3. Percentage of teachers recognized as research guides

Formula: $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers in the department}} \times 100$

Name of teachers recognized as research guides	Year of recognition	Recognizing University	Total number of teachers

3.4. Faculty competencies in correlation to Programme Specific Criteria

3.5. Academic Calendar and Teaching plans

(Upload details of five years)

3.6. Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years

Formula: $\frac{\text{Total number of Ph.D.degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$

Name of the PhD scholar	Name of the guide/s	Title of the thesis	Year of registration of the scholar	Year of award of PhD

3.7. Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, E-content management etc.**

Formula: $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$

Name of teacher using ICT	Type of ICT facilities used	Number of teachers using ICT	Total number of teachers

** Validation based on student feedback and link for webpage describing LMS/ Academic Management System.

3.8. Faculty as participants/resource persons in faculty professional development/training Activities/seminars/workshops/symposia/conferences (national & international)

Year	Duration (From – to)	Name of the teacher	Role of the teacher (participation/ resource person)	Type of programme (faculty development/ training/ seminar/ workshop/ symposia/ conference)	Name of the programme	National/ international

3.9. Faculty Retention

3.10. Faculty Research Publications (FRP)

3.10.1. Number of research papers per teacher in the Journals notified on UGC website during the last 3 years

Formula: $\frac{\text{Total number of publications in UGC notified journals in the last 3 years}}{\text{Total number of teachers who published in UGC notified journals in the last 3 years}}$

Title of paper	Name of the teacher	Name of journal	ISBN/ISSN number	Impact factor if any	Affiliating institute at the time of publication

Journal with the highest impact factor in your stream and its impact factor (multidisciplinary journals are not to be counted):…..

3.10.2. Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years

Formula:

$$\frac{\text{Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years}}{\text{Total number of teachers who published in the last 3 years}}$$

Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	ISBN/ISSN number of the proceeding	Name of the publisher	Affiliating institute at the time of publication

3.10.3. BiblioMetrics of the publications during the last 3 years based on average citation index and H-index in Scopus/ Web of Science or PubMed/ Indian Citation Index/Google scholar

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Average H-index of the faculties	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations

3.11. Faculty Intellectual Property Rights (FIPR)

3.11.1. Number of Patents published/awarded

Name of the teacher	Name of the Patent published/awarded	Patent Number	Year of award	Affiliating institute at the time of publication/award

3.12. Funded R & D projects and consultancy works

3.12.1. Major Research projects sponsored by government sourcessuch as UGC, DST, DBT, KSCSTE, etc.

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

3.12.2. Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees)

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

3.12.3. Research projects sponsored by the non-government sourcessuch as industry, corporate houses, international bodies, endowments (Amount in Rupees)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Funds provided	Duration of the project

3.12.4. Consultancy

Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (amount in rupees)

3.12.5. Revenue generated from corporate training by the department during the previous year

Names of the teacher-consultants	Title of the corporate training program	Agency seeking training with contact details	Revenue generated (amount in rupees)	Number of trainees

3.13. Number of awards for innovation won by teachers

Title of the innovation	Name of the Awardee	Year of award	Name of the Awarding Agency with contact details

3.14. Faculty interaction with International Collaborations

Name of the faculty	Collaborating agency/ institute/ industry	Name of the agency/ institute/ industry/ organization	Type of collaboration (research/ teaching/ industrial etc.)	Country of the collaborating party	Has any MoU signed?	Validity period of the MoU (from date – to date)

3.15. Membership in Professional bodies

3.15.1. Membership in academic bodies in Universities / other colleges

Name of the teacher	Name of the academic body	University/ other college	Position held

3.16. Reviewer/Editors of International and national journals

Name of the teacher	Name of the Journal, ISSN No., publisher, national/international	Role of the teacher (Reviewer/ Editor)

3.17. Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 3 years

Academic body / Administrative body / Committee	Name of the Academic body / Administrative body / Committee	Specific role of the faculty	Duration of hours spent in the last 5 years
		Total hours spent	

3.18. Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years

Formula:

Percentage = $\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$

Name of the activity/scheme	Organizing unit/ agency/ collaborating agency	Number of teachers participated in such activities

4. Academic Support Units and Teaching-Learning-Evaluation Process

4.1. Academic Support Units for academic and stress related issues

4.1.1. Ratio of mentor to students for academic and stress related issues

4.1.2. Department level student grievance addressing system

4.2. Teaching-Learning Process

4.2.1. Tutorial classes to address student questions

4.2.2. Mentoring system To help at individual levels

6. Does the department assess the learning levels of the students, after admission and organizes special programs for advanced learners and slow learners? – Details.
7. Does the department take special attention on the needs of differently abled students? – Details.

4.2.3. Feedback analysis and reward/corrective measures taken, if any

Describe whether:

Structured feedback received from:

4) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents

for design and review of syllabus - Semester wise /year wise

4.2.4. Scope for self-learning

Do student centric methods, such as experiential learning,participative learning and problem solving methodologies are used for enhancing learning experiences? – details.

4.2.5. Generation of self-learning facilities, availability of materials for learning beyond syllabus

4.2.6. Career Guidance, Training, Placement, and Entrepreneurship Cell

Describe the number of capability enhancement and development schemes

22. Guidance for competitive examinations
23. Career Counseling
24. Soft skill development
25. Induction/Remedial programmes
26. Language lab
27. Bridge courses
28. Personal Counseling

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details

4.2.6.1. Indicate whether the department conducted tests at the beginning of each semester to identify weak/ potential students?

4.2.6.2. Indicate how the department took extra measures to identify, address and meet the special requirements of differently abled students.

4.2.6.3. Average percentage of students benefited by guidance for competitive examinations and career counseling offered by the department during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated by Career Counseling / competitive exams activities
	117	

4.2.6.4. Average percentage of students benefitted by Vocational Education and Training (VET) during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated VET

4.2.7. Role of department in Co-curricular and Extra-curricular Activities of students

4.2.8. Role of department Games and Sports achievements of students

4.2.9. Does the department have a system to check malpractices and plagiarism?

Provide upload the URL having code of ethics	Whether Departments have been provided access to plagiarism detecting software (Yes/No)	Mechanism for detecting plagiarism

5. Continuous improvements

5.1. Improvement in Success Index of Students

5.2. Improvement in Academic Performance Index of Students

5.3. Improvement in Student-Teacher Ratio

5.4. Enhancement of Faculty Qualification Index

5.5. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

5.6. Continuing Education

5.7. New Facility Created

(List the new facilities created with their anticipated impact on the teaching – learning process)

5.8. Overall Improvements since last accreditation, if any, otherwise, since the commencement of the programme

6. Events in Department

6.1. Seminars/Conferences/Workshops conducted(National and International)

6.1.1. Number of national seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last3 years

Name of the seminar / workshop / symposium / conference	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students	Number of participants

				(UG/PG)	

6.1.2. Number of Summer school programmes (minimum 30 hours) conducted by the department during the last3 years

Name of the Summer school programme	**Funding agency**	**Amount of fund**	**Date From – To**	**Beneficiary type : Teachers/ students (UG/PG)**	**Number of participants**

6.1.3. Number of awards for innovation won by department during the last3 years

Title of the innovation	**Name of the Awardee**	**Name of the Awarding Agency with contact details**	**Year of Award**	**Category-department// research scholar/student**

6.1.4. Academicians visited

Name and designation of the academician	**Name of the Institute/ University of the academician**	**Country to which the academician belong**	**Name of the programme attended by the academician**	**Type of the programme attended by the academician**	**Beneficiaries of the programme**	**Funding agency of the programme**

6.2. MoU's and Tie-ups

6.2.1. Number of Collaborative activities for research, faculty exchange,student exchange during the last 3 years

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Source of financial support	Duration	Nature of the activity

6.2.2. Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last3 years

Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage	Name of the participant

6.2.3. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last3 years (only functional MoUs with ongoing activities to be considered)

Organization with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs

16.3. Institutes, Scholarships, Endowments

16.3.1. Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government schemes) during the last3 years

Formula:

$$\text{Percentage} = \frac{\text{Number of students benefited by by scholarships and freeships}}{\text{Total number of students}} \times 100$$

Name of the scholarship/freeship	Number of students benefited

16.4. Fund generated by the department (minor projects, major projects, workshops, symposia, travel grant, scholarship, and if any other)

Type of fund generated	Amount (Rs.)	Name of the Faculty that attracted the fund

16.5. Total number of employability training programmes conducted by the department during the last3 years and the total number of students attended the programme

Name of the employability training programme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details

16.6. Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes

Name of the teacher	Name of the capacity enhancement scheme / training programme	Name of the institute attended	Duration of the scheme / programme

16.7. Details of extension activities of regular nature organized by the department *

Name of the extension activity	Nature of extension activity	Duration	Involvement of Percentage of students in the department
	117		

*Related to the area of knowledge of the department

16.8. Details of activities organized by the department to promote universal values*

Name of the activity	Within the campus/ outreach	Duration	Involvement of Percentage of students in the department

16.9. Total number of cultural activities/ competitions organized by the department during the last3 years

Sl. No.	Name of the activity	Interdepartmental / intercollegiate	Total number of students involved

16.10. Alumni contribution during the last3 years (Amount in Rupees)

Name of the alumnus/ alumni association	AADHAR / PAN	Year of graduation	Year of contribution	Quantum of contribution (Rs.)

17. SWOT Analysis

13.1. Identify Strength, Weakness, Opportunities and Threats of the Department

13.2. Good practices, if any

- Gender equity promotion programs
- Gender sensitivity in providing facilities such as:
  - Safety and Security
  - Counseling
  - Common room
- Green practices: (Green Audit)
  - Transportation: Bicycles

  - Plastic free department
  - Paperless department
  - Green landscaping
- Initiatives that contribute to local community
- Code of Conduct Handbook/Display of core values/Duties &Rights of citizens
- Activities to increase consciousness about national identities and symbols
- Course on human values and professional ethics
- Departmental functioning is as per professional code
- Activities to promote universal values
- Complete transparency in its financial, academic, administrative and auxiliary functions
- Remedial teaching
- Activities to increase the quality of teaching methodology
- Any other relevant best practices

CMS COLLEGE (AUTONOMOUS) KOTTAYAM

DEPARTMENT SELF – ASSESSMENT REPORT (DSAR) MANUAL

DEPARTMENT OF BIOTECHNOLOGY

October 2021

Department Self – Assessment Report (DSAR) Manual

The Department Self Assessment Report (DSAR) is intended to shed light into the current status of the department in terms of its Strength, Weakness, Opportunities and Threats. As such, the department is expected to provide accurate data and observations that reflect the true and real status of the department. The data that will be collected from the department would fall into three parts.

- **Part A** : Basic data of the department (will not be used for assessment)
- **Part B** : Data about infrastructure, governance, financial status (will not be used for assessment)
- **Part C** : Data collected in this part will be used for assessment and accreditation.

The department should provide data for the academic years 2018-19, 2019-20, 2020-21 (past 3 years) separately under each relevant question and for each UG and PG programmes offered.

The department need not supply the supporting documents while submitting the DSAR, but should keep them in original for peer team assessment. After the assessment, softcopies/scanned copies of supporting documents must be sent to dsar@cmscollege.ac.in within a week of assessment.

For queries, please e-mail to dsar@cmscollege.ac.in.

PART A

1. Departmental Information

1.1. Name and address of the department: Department of Biotechnology, CMS College Kottayam - 686001

1.2. Name, designation, telephone number, and e-mail address of the head/contact person.

Dr. Jinu John

Head of the Department

9446664201

hodbiotech.sf@cmscollege.ac.in

1.3. History of the department including dates of introduction and number of seats of various programmes of study.

The Department of Biotechnology was started in 2002 with B.Sc. double main undergraduate program with Biotechnology and Botany as two major subjects under self-financing stream. M.Sc. Biotechnology program was started in 2004.

B.Sc. Botany and Biotechnology: 30 Nos.

M.Sc. Biotechnology: 20 Nos

1.4. Mission and Vision of the department:

The department has been encouraging the students to independently think as well as implement research ideas. The Department focuses on imparting quality education and providing an excellent research environment through its ongoing programs.

Vision: To attain new heights in biotechnology education and research in order to produce competent Biotechnologists with a potential to innovate, invent and disseminate knowledge for the benefit of society and environment.

Mission:

To impart quality education for lifelong professional growth and opportunity in a wide range of Careers.

To create awareness about potentials of Biotechnology with socio-ethical implications.

To instill spirit of innovation and creativity in young minds with sound research aptitude.

To nurture confident individuals who are effective contributors towards the growth of the nation.

1.5. List of the programmes/ departments which share human resources and/or the facilities of this department/ programme (in %).

Open Course on Ecotourism- 01 (With B.Com (S.F), B.C.A. (S.F) and BA Comm. English (S.F))

1.6. Total number of students:

PG: 34; UG: 82; Total: 116

1.7. Total number from other states and countries:01

1.8. Total number of differently abled students: 0

1.9. Minimum and maximum number of staff on roll in college, during the current and five previous academic years in the department:

Year	No. of faculty Members
2020-21	**7**
2019-20	**8**
2018-19	**8**

2017-18	**8**
2016-17	**8**

1.10. Details of full time teachers against sanctioned posts

(Position sanction letters verified by DCF of AISHE or the concerned authority, Soft copy of appointment letters of faculties during 3 years, Pan No. of faculties)

1.11. Full time teachers from other states against sanctioned posts: 0(Softcopy of supporting document)

1.12. Faculty experience

Name of the Full-time teacher	**PAN**	**Designation**	**Year of appointment**	**Total years of Experience as on 31/10/2021**	**Is the teacher still serving the institution/ If not last year of the service of Faculty to the Institution**
Dr. Unnikrishnan. N	*ABIPN 7865M*	*Head*	*2018*	*29*	*No (2020-2021)*
Dr. Jinu John	*AQBPJ9029R*	*Assistant Professor*	*2015*	*12*	*Yes*
Mr. Renji Varghese	*ALDPV4873E*	*Assistant Professor*	*2016*	*17*	*Yes*
Dr. Smitha S	*JQYPS8231L*	*Assistant Professor*	*2016*	*16*	*Yes*
Mrs. Prisho Mariam Paul	*EBWPP8077B*	*Assistant Professor*	*2015*	*10*	*Yes -*
Mrs. Ashalakshmi CN	*BMXPN9767K*	*Assistant Professor*	*2016*	*7.5*	*Yes*
Dr. Vishnu Kannan	*AEZPV5506M*	*Assistant Professor*	*2018*	*6*	*Yes*
Dr. Linu Kuruvilla	*CHOP 9649*	*Assistant Profe*	*2018*	*3*	*Yes*

		ssor			

1.13. Total number of differently abled teachers: 0

1.14. Percentage of full time teachers with Ph.D.

Percentage = $\frac{Number\ of\ full\ time\ teachers\ in\ the\ department\ with\ Ph.D.}{Total\ number\ of\ full\ time\ teachers} \times 100 =$ *62.5*

Name of full time teacher with PhD	**Number of full time teachers with PhD**	**Total number of full time teachers**
Dr. Unnikrishnan. N	05	08
Dr. Jinu John		
Dr. Smitha S		
Dr. Vishnu Kannan		
Dr. Linu Kuruvila		

1.15. Is the department an approved research centre by University / National / International bodies?
(Yes/No; provide order number with year and name of affiliating University)
No

1.16. Summary of budget for the Previous Financial Year (PFY) and the actual expenditure incurred in the PFY.

1.17. Summary of budget for the Current Financial Year (CFY)

PART B

2. Facilities and Technical Support

2.1. Classrooms in the Department

2.1.1.1. Adequate number of rooms for lectures (core/electives), seminars, tutorials, etc.for the program

(Provide a description with the number of existing rooms and lack of them, if any)

Purpose of the class rooms	*No. of existing classrooms*	*No. of class rooms required*
Lectures	*05*	*05*
Seminars	*00*	*01*
Tutorials	*00*	*01*
Total number of classrooms required		*07*

2.1.2. Teaching aids – multimedia projectors, etc.

(Provide a description with the number of existing classrooms with such facilities and lack of thereof, if any)

Type of facility	***No. of existing classrooms with the facility***	***No. of class rooms with the facility required***
Multimedia projector	*2*	*5*
Screen	*1*	*5*
Smart boards	*0*	*5*
Wireless microphone	*0*	*5*
Speaker	*0*	*2*
Computer	*5*	*20*
UPS	*3*	*3*
Server	*0*	*0*
Document camera	*0*	*1*
Educational Software	*02*	*04*
WIFI/LAN facilities	*02*	*02*
Total number of classrooms with teaching aids required		***05***

2.1.3. Acoustics, class room size, conditions of chairs/benches, air circulation, lighting, exits, ambiance, and such other amenities/facilities

Classroom	Acoustics	class room size	conditions of chairs/benches	air circulation	lighting	ambiance
Room 1			Good	Adequate	Adequate	Better
Room 2			Good	Adequate	Adequate	Better
Room 3			Good	Adequat	Good	Good

				e		
Room 4			Good	Good	Good	Good
Room 5			Good	Good	Good	Good

2.1.4. Seminar halls with ICT facilities

Type of facility	**No. of existing seminar halls with the facility**	**No. of seminar halls with the facility required**
Multimedia projector	0	1
Screen	0	1
Smart boards	0	1
Wireless microphone	0	1
Speaker	0	1
Computer	0	1
UPS	0	1
Server	0	1
Document camera	0	1
Educational softwares	0	1
WIFI/LAN facilities	0	1
Total number of seminar halls with ICT facilities required		**2**

2.2. Faculty Rooms in the Department

2.2.1. Availability of individual faculty rooms

Individual faculty rooms are not available, only a common staff room and a separate cabin for head of the department

2.2.2. Room equipped with white/black board, computer, Internet connectivity, adequate number of plug points, UPS connectivity and such other amenities/facilities

Only one class room is there as per these specification, other class rooms have limited facilities

2.2.3. Usage of room for discussion/counseling with students

Department have a smart class room with a seating capacity of 30 students, which is generally used for discussion, for further activities college seminar halls will be used

2.3. Laboratories in the Department to meet the Curriculum Requirements and the PSOs

2.3.1. Adequate, well-equipped laboratories to meet the curriculum requirements and the PSOs

The Department of Biotechnology has three well equipped labs with necessary infrastructure facilities. We are in need of an animal cell culture lab, which is necessary to complete the practical/research activities included in the curriculum

2.3.2. Adequate, well-equipped laboratories to conduct research projects

With the available facilities, research projects for UG and PG students are carried out in Plant tissue culture, Microbiology, EnvironmentalBiotechnology studies and other related areas. We are in need of an animal cell culture lab, bioinformatics lab and an instrumentation lab, which is lacking to carry out the practical/research activities

2.3.3. Equipments to run experiments and their maintenance, Number of students per experimental set up, Size of the laboratories, overall ambience etc.

(Provide both quantitative and qualitative information)

Name of the equipment	**Number of students per equipment/experiment** 117	**Size of the laboratories**
Laminar air flow (Plant Tissue Culture)	**48**	**10x20**

Laminar air flow (Microbiology)	**48**	**10x15**
Spectrophotometer	**103**	**12**
Colorimeter	**22**	**12x24**

2.3.4. Availability of computing facilities in the department

Number of computer labs	**Number of computers**	**Number of UPS**	**Number of servers**	**Internet connectivity (yes/no) Speed (mb/ps)**	**Access to e-resources (yes/no)**	**Student : Computer ratio**
1	*Three desktops available*	*1*	*NIL*	*YES (20 Mbps)*	*Limited*	*50:1*

We are in need of a minimum of 18 computers and an exclusive computer lab to run bioinformatics practical and dissemination of e-learning facilities

2.3.5. Availability of laboratories with technical support within and beyond working hours

Within the working hours the laboratories are equipped with technical support and other facilities. Laboratory hours may go beyond the regular working hours for 1-2 hours in presence of faculty in charge depending on the experiments.

2.4. Technical Manpower Support in the Department

2.4.1.1. Availability of adequate and qualified technical supporting staff for program specific laboratories and lack of thereof, if any.

Two unskilled staff members are there to support the practical classes and general lab maintenance. There is an additional requirement of a skilled technical supporting staff to run practical sessions.

2.4.1.2. Incentives, skill-up gradation and professional advancement.

3. Infrastructure, Governance, Institutional Support and Financial Resources

3.1. Campus infrastructure and facility

3.1.1.1. Maintenance of academic infrastructure and facilities

(Provide a description of the current situation and a history over the last 3 years)

3.1.1.2. Hostel (boys and girls), transportation facility, and canteen

(Provide a description of the current situation with the number of students obtained hostel, transportation and canteen facilities and a history over the last 3 years)

3.1.2. Electricity, power backup, telecom facility, drinking water, and security

(Provide a description of the current situation and a history over the last 3 years)

3.2. Organization, Governance and Transparency

3.2.1.1. Governing body, administrative setup, and functions of various bodies and cells

3.2.1.2. Defined rules, procedures, recruitment, and promotional policies, etc.

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

3.2.1.3. Decentralization in working, including delegation of financial power and grievance redressal system

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

3.2.1.4. Transparency and availability of correct/unambiguous information disseminated among the department staff

3.3. Budget Allocation, Utilization and public Accounting

3.3.1.1. Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

3.3.1.2. Utilization of allocated funds

(Provide description with numbers related to utilization)

3.4. Programme Specific Budget Allocation, Utilization

3.4.1.1. Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

3.4.1.2. Utilization of allocated funds

(Provide description with numbers related to utilization)

3.5. Facilities: Animal House/Green House / Museum, Fabrication facility, Media laboratory/Business Lab/Studios, Research/Statistical Databases: Not available(Year of establishment, Hyperlink of videos and pictures (geotagged) – verified from DCF of AISHE)

3.6. Library

3.6.1.1. Library space and ambience, timings and usage, availability of a qualified librarian and other staff, library automation, online access, networking, specialized facilities (ILL, download, printing, facilities for differently abled students) etc.

- ***Library space and ambience****: We have a Departmental library comprising a total of more than 175 books covering various subjects in Biotechnology & Botany.*
- ***Timings & usage****: Open on all week days from 9am-4.30pm for PG &UG students*

Library is maintained by the lab assistant under the supervision of faculty in charge

3.6.2. Titles and volumes per title of books, journals and periodicals.

(List the titles and volumes per title)

BOOK No.	***Name of Book***	***Author Name***
BT – 101	*Molecular Cloning – Vol III*	*Sambrook and Russell*
BT – 102	*Molecular Cloning – Vol I*	*Sambrook and Russell*
BT – 103	*Molecular Cloning – Vol II*	*Sambrook and Russell*
BT – 104	*Cell and Molecular Biology – 8th edition*	*Robertis*
BT – 105	*Cell and Molecular Biology – 8th edition*	*Robertis*
BT – 106	*Cell and Molecular Biology – 8th edition*	*Robertis*
BT – 107	*Cell and Molecular Biology – 8th edition*	*P.K. Gupta*
BT – 108	*Cell and Molecular Biology – 8th edition*	*P.K. Gupta*
BT – 109	*Molecular Biology of the gene*	*Watson*
BT – 111	*Molecular Biology of the cell*	*Johnson, Lewis et al.*

BT – 110	*Gymnosperms*	*P.C. Vasishta*
BT – 112	*The world of Cell*	*Becter*
BT – 113	*Molecular Biology – 2nd edition*	*David Freifelder*
BT – 114	*Genetic Engineering*	*S.R. Kulshrestha*
BT – 115	*Molecular Biology*	*Glick and Pasternak*
BT – 116	*Biological Sciences*	*Taylor, Green, Stouit*
BT – 117	*Gene transfer to plants*	*Potrykus*
BT – 118	*Plant cell, Tissue and Organ culture*	*Gamborg, Philips*
BT – 119	*Plant Biotechnology*	*Adrian Slater*
BT – 120	*Projects in Zoology*	*Shaju Thomas*
BT – 121	*Cell and Molecular Biology – 8th edition*	*Robertis*
BT – 122	*Cell Biology*	*C.B. Powar*
BT – 123	*Cell Biology*	*C.B. Powar*
BT -124	*Biological Science*	*Taylor, Green, Stout*
BT – 125	*Developmental Biology*	*Scott. F. Gilbert*
BT – 126	*Understanding Biotechnology*	*George Acquaah*
BT – 127	*Advanced Molecular Genetics*	*Alfred Publer&Kennth*
BT – 128	*Tailoring genes for crop Improvement*	*George Bruening*
BT – 129	*From genes to clones*	*Ernst . L. Winnacker*
BT – 130	*Plant Biotechnology*	*H.S. Chawla*
BT – 131	*Advances in Plant Biotechnology*	*Rya and Furusaki*
BT – 132	*Gene Biotechnology*	*S.N. Jogdard*
BT – 133	*Genetic Engineering and Biotechnology*	*V. Kumar Gira*
BT -135	*Induced Mutations – A Tool in Plant Research*	
BT – 136	*Modern concepts of Biotechnology*	*H. D. Kumar*
BT – 137	*Polyploidy and induced mutations in Plant breeding*	
BT – 138	*Introduction to Plant Biotechnology*	*H.S. Chawla*
BT - 139	*Biotechnology*	*B.D.Singh*
BT – 140	*Plant Breeding*	*B.D. Singh*

BT -141	*DNA – micro arrays and Gene expression*	*Baldi Hatfield*
BT -142	*Biotechnology*	*KeshavTrchan*
BT – 143	*Comprehensive Biotechnology*	*Ramawat, goyal*
BT – 144	*Genetic Engineering and Biotechnology*	*Kumar gira*
BT -145	*Selection indices in Plant Breeding*	*R.J. Baker*
BT – 146	*Plant Biotechnology*	*Mentell, Smith*
BT – 147	*Biotechnology*	*Agarwal*
BT – 148	*Advanced Environmental Biotechnology*	*Agarwal*
BT – 149	*Genetic Engineering*	*Desmond Nicholl*
BT – 151	*Glossary of genetics and cytogenetics*	*Rieger, Michaelis*
BT - 152	*Medical Biochemistry*	*Chatterjea, Shind*
BT – 153	*Biochemistry*	*Jermy. Strymer*
BT -154	*Biochemistry*	*Voet*
BT – 155	*Principles of Biochemistry*	*Lehninger*
BT -156	*Principles of Biochemistry*	*Lehninger*
BT – 157	*Enzymes*	*Trivor Palmer*
BT – 158	*Biophysical Chemistry*	*Upadhyay*
BT -159	*A text book of Immunology and Technology*	*Annadurai*
BT -160	*Biochenistry*	*A.C. Deb*
BT – 161	*Molecular genetics of the plant*	*A.Publer*
BT – 163	*Harper's Ilustrated Biochemistry*	*Murray*
BT -164	*Harer'sIIustratedBichemistry*	*Murray*
BT – 165	*Practical Biochemistry*	*Keith Wilson*
BT – 166	*Practical Biochemistry*	*Keith Wilson*
BT -167	*Biochemical Methods*	*Sadashivam*
BT -168	*Laboratory Manual - Biochemistry*	*Pattabiraman*
BT – 169	*Outlines of Biochemistry*	*Conn, Stumpf*
BT – 170	*Practical Clinical Biochemistry*	*Harold Varley*

BT – 171	*Biomolecules*	*S. Banerjee*
BT – 172	*Practical Biochemistry*	*Madhavi Gupta*
BT – 173	*Biochemistry – Revision Exercises*	*Vasudevan*
BT -174	*Microbiology*	*Presscot*
BT – 175	*Practical Medical Microbiology*	*Collee*
BT – 176	*Practical Medical Microbiology*	*Mackie and Mc Cartney*
BT – 177	*General Microbiology*	*RagerV .Stainer*
BT -178	*Environmental Microbiology*	*Raina .H. Haier*
BT – 179	*Immunology*	*Roitt*
BT – 180	*Industrial Microbiology*	*A.H. Patel*
BT – 181	*Microbiology*	*Ananthanarayan*
BT - 182	*Laboratory Manual*	*T.Saha*
BT – 183	*Microbiology*	*Pelezar Chain*
BT – 184	*Bacterial and Bacteriophage genetics*	*Edward*
BT -185	*Immunology and Immunotechnology*	*B.Annadurai*
BT -186	*Microbiology*	*Ananthanarayan*
BT – 187	*Medical Laboratory Technology*	*Kanai L Mukherjee*
BT – 188	*Practical Microbiology*	*R.C . Dubey*
BT – 189	*General Microbiology*	*N. Kannan*
BT – 190	*Practical and Clinical Immunology*	*Palwar and Gupta*
BT - 191	*Fungal Biology*	*Jim Deacon*
BT – 192	*Practical Microbiology*	*R. C. Dubey*
BT – 193	*Human gene Evolution*	*David . N. Cooper*
BT – 194	*Gene Expression Systems*	*Fernandez*
BT – 195	*Food Microbiology*	*Frazler*
BT – 196	*Practical Microbiology*	*R.C. Dubey*
BT – 197	*Microbial Biotechnology*	*NandanHazars*
BT - 200	*Object – Oriented Programming in C++*	*Robert Lafors*
BT – 201	*Plant Physiology Biochemistry*	*S. Chand*

BT – 202	*Introduction to Bioinformatics*	*SundaraRajan*
BT – 203	*Plant Physiology, Biochemistry, Biotechnology*	*S.K. Verma*
BT – 204	*Environmental Biotechnology*	*S.V.S. Rana*
BT – 205	*Nano: the essentials*	*T. Pradeep*
BT – 206	*Biophysics*	*R.N. Roy*
BT – 207	*Biophysics*	*R.N. Roy*
BT – 208	*Biophysics*	*Pattabhi*
BT – 209	*Biophysics*	*Pattabhi*
BT – 210	*Biophysics*	*Pattabhi*
BT – 211	*Bioinformatics*	*K. Mani. N. Vijayaraj*
BT – 212	*Bioinformatics - Computer Skills*	*Cynthia Gibos*
BT – 213	*Bioinformatics algorithms*	*Neil. C. Jones*
BT – 214	*Biological Sequence Analysis*	*Durbin*
BT – 215	*Bioinformatics*	*K. Dhananjaya*
BT – 216	*Information Technology*	*Leon*
BT – 217	*Programming with C++*	*AtulKahati*
BT – 218	*Database for Bio-informatics*	*Sikkim Manipal*
BT – 219	*Essentials of Drug Designing*	*V. Kothikar*
BT – 220	*Bioinformatics*	*K. Dhananjaya*
BT – 221	*Bioinformactics*	*Jean – Michel*
BT – 222	*Object Orientated Programming with C++*	*Balaguruswamy*
BT – 223	*Biostatistics*	*S. Chand*
BT - 224	*Bioinformatics*	*SundaraRajan*
BT – 225	*Bioinformatics*	*C.S.V Murthy*
BT – 226	*Bioinformatics*	*Misener*
BT – 227	*Microbial Biotechnology*	*Lee Yuan Kun*
BT – 228	*General Informatics &Methodologics* 117	*Green Leaf*
BT – 229	*General Informatics &Methodologics*	*Green Leaf*

BT- 230	*General Informatics &Methodologics*	*Green Leaf*
BT -231	*Elements of Biostatistics*	*S. Prasad*
BT – 232	*Basics of Biotechnology and Bioinformatics*	*Pony Cherian*
BT – 233	*Molecular Evolution and Organisation of the Chromosome*	*Lima – de – Faria*
BT – 234	*Gene Manipulation in Plant improvement*	*J.P Gustafson*
BT – 235	*Tourism and Hospitality Industries*	*Sudhir Andrews*
BT – 236	*Text book of Plant Physiology*	*V. Verma*
BT – 237	*Botany for Degree student – Fungi*	*Vasishta and Sinha*
BT – 238	*Lichen Flora of Central India*	*Muthukumar S and J.L. Tarer*
BT – 239	*Environmental Chemistry, Cytogenetics, Evolution and Biostatics*	*R.S. Sheekla and P.S. Chadel*
BT – 240	*Plant Breeding*	*R.S. Sheekla and P.S. Chandel*
BT – 241	*Pharmacognosy – Volume I*	*Mohammed Ali*
BT – 242	*Induced Mutations in Cross Breeding*	*Proceedinges (Vienna, 1976)*
BT – 243	*Environmental Pollution*	*R. K. Khitoliya*
BT – 244	*S. Chand – Botany (UGC Model)*	*B.P. Pandey*
BT – 245	*Anatomy of Seed Plants*	*Katherine Esare (Wiley)*
BT – 246	*Ecology (2nd edn)*	*N.S. Subrahmanyam, A.V.S. Sambamurthy*
BT – 247	*Modern Plant Taxonomy*	*N.S. Subrahmaniyam*
BT - 248	*Plant Anatomy and Embryology*	*S. N. Pandey, A. Chadha*
BT – 249	*Broadening the Genetic base of crops*	*Proceedings, Wageninger Netherlands (1978)*
BT – 250	*Ecology – Instant Notes* [117]	*A.Mackenzie, A.S. Ball, S.R. Virdee*
BT – 251	*Plant Physiology*	*S.N. Pandey and B.K.*

		Sinha
BT – 252	*Managing Educational Tourism*	*Brent W.Ritche*
BT – 253	*Strategic Management for Tourism communities*	*P.E. Murphy and A.E Murphy*
BT – 254	*Tourism Ethics*	*David A. Fennel*
BT – 255	*Ecology*	*Eugene P.Odum*
BT – 256	*Plant Ecology*	*Varishta*
BT – 257	*S. Chand – Plant Ecology*	*R.S. Shuklas P.S. Chandel*
BT – 258	*A guide for the mushrooms*	*Louis C.C. Krieger*
BT – 259	*Anatomy, Embryology and Microtechniques*	*P.C. Abraham*
BT – 260	*Methodology and perspectives of Science*	*K.K. Bhaskaran*
BT – 261	*Introduction phycology*	*H.D. Kumar*
BT – 262	*Plant Physiology*	*Salisbury and Ross*
BT – 263	*A Text book of Botany*	*Singh, Pande, Jain*
BT – 264	*Quantitative genetics and selection in plant breeding*	*Gunter Wricke and W.E. Weber*
BT – 265	*Environmental Chemistry*	*B.K. Sharma*
BT – 266	*College Botany (Vol I)*	*B.P. Pandey*
BT – 267	*Breeding Asian Field crops (Vol – I)*	*J.M. Doehlman and D. Berthahur*
BT – 268	*A text book of Botany (Vol – I)*	*S. N. Pandey and P.S. Trivedi*
BT – 269	*Taxonomy of Angiosperms*	*S.N. Pandey and S.P. Misra*
BT -270	*The Application of Genetics to plant breeding*	*Fasoculas*
BT – 271	*Botany for degree students – Algae*	*V.P. Singh*
BT – 272	*Nuclear Techniques and invitro culture for plant improvement*	*Proceedings Vieena – 1985*
BT – 273	*Fundamentals of Plant Physiology*	*V.K. Jain*
BT – 274	*College Botany practicals (Vol –II)*	*Santra and Chatterjee*

BT – 275	*Biochemical methods*	*Sadasivam and A. Manikam*
BT – 276	*Crop Science Progress and Prospectus*	*Nerberger, Geiger and Strik*
BT – 277	*Fundamentals of Plant breeding*	*Boringer, Hondelmann*
BT – 278	*A text book of Botany – Vol III*	*Pandey and A. Chadha*
BT – 279	*Plant Cell and Tissue Culture*	*Graham Warren*
BT – 280	*Principles of Plant breeding*	*R.W. Allard*

3.6.3. Scholarly journal subscription

(List the details of journals including publisher, ISBN number, broad range of study, specific field of study, how the subscription of a specific journal is beneficial for faculty and students)

3.6.4. Digital Library

3.6.5. Library expenditure on books, magazines/journals, and miscellaneous contents

(Provide description with numbers related to expenditure)

3.6.6. Number of withdrawal of books by students in the previous year*****

Formula:

$$\frac{Number\ of\ withdrawal\ of\ books\ from\ department\ library\ in\ previous\ year}{Total\ number\ of\ students} \times 100$$

$$= 93\%$$

$$\frac{Number\ of\ withdrawal\ of\ books\ from\ College\ library\ in\ previous\ year}{Total\ number\ of\ students} \times 100$$

*Source: Issue register

3.7. Internet: Wifi and wired connections are available in the department

3.8. Safety norms

3.8.1. Checks for wiring and electrical installations for leakage and earthing.

Adequate- Miniature Circuit Breaker (MCB) and Earth leakage Circuit Breaker (ELCB) are installed

3.8.2. Fire-fighting measurements: Effective safety arrangements with emergency / multiple exits and ventilation / exhausts in auditoriums and large

classrooms / laboratories, fire-fighting equipment and training, availability of water, and other such facilities.

Fire extinguishers are fitted in laboratories

3.8.3. Safety of civil structure

(Provide description)

Handling of hazardous chemicals and such other activities: *Based on standard bio-safety rules and regulations*

3.9. Counseling and Emergency Medical Care and First-Aid

3.9.1. Availability of counseling facility: Available

(Provide description and issues, if any)

3.9.2. Arrangement of emergency medical care: Will be provided

(Provide description and issues, if any)

3.9.3. Availability of First Aid Unit: Basic requirements are available

(Provide description and issues, if any)

PART C

4. Programme Specific information

4.1. Name of the Programme

- Undergraduate Program- B.Sc. in Botany and Biotechnology (Double Main)
- Postgraduate Program- M.Sc. BiotechnologyTitle of the Degree

4.2. History of the programme

The Department of Biotechnology was started in 2002 with B.Sc. double main undergraduate program with Biotechnology and Botany as two major subjects under self financing stream. M.Sc. Biotechnology program was started in 2004.

4.3. Deficiencies, weaknesses/concerns and challenges from previous accreditations of NAAC:

(Provide description)

4.4. Total number of students in the programme:

(Instruction: Total number of students, both boys and girls, has to be listed here. The data may be categorized in tabular form under graduate, post graduate, Doctoral Degree, or other program, if applicable.)

Year	Total number of students in UG programme		Total number of students in PG programme		Total number of students in Ph.D. programme		Total number of students in diploma/ certificate/ other programmes	
	Male	Female	Male	Female	Male	Female	Male	Female
2020-21	19	63	3	31	-	-	-	-
2019-20	14	77	4	22	-	-	-	-
2018-19	12	83	4	10	-	-	-	-

5. Vision, Mission and Programme Outcomes

5.1. Vision and Mission

5.1.1. State the Mission and Vision of the College and department in relation to programme outcomes

Vision of Biotechnology Department

To nurture world-class bioengineers with a potential to innovate, invent and disseminate knowledge for the benefit of society and environment.

Mission of Biotechnology Department

- *Regular updation of the course curriculum to cater to the needs of academia and industry.*
- *Initiate multi-disciplinary programs through academia-industry interface with special emphasis on implementation of bioprocess design and scale-up.*
- *Emphasis on recent trends in bioengineering through organization of conferences, symposia, workshops.*

- *Faculty development programmes.*

5.1.2. Indicate how and where the Vision and Mission are published and disseminated

- *College website*
- *Included in Curriculum or syllabus*

5.1.3. Mention the process for defining Vision and Mission of the department

- *In establishing the vision and mission of the department, the following steps were followed:*
- *Step 1: Vision and Mission of the college are taken as basis*
- *Step 2: Views are taken from stakeholders of the department such as students, faculty members, parents, Employers and alumni.*
- *Step 3: The views about the vision and mission of the department are formulated by the team of faculty members of the department.*
- *Step 4: The vision and mission are analyzed and reviewed to check the consistency with the vision and mission of the department at the college level by Quality control Cell.*
- *Step 5: Finally the Board of Management approves the vision and mission of the department.*

5.2. Program Outcomes

5.2.1. Describe the Programme Outcomes (POs)

Sl. No.	***Programme Outcomes***
1	***Critical Thinking****: Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them*
2	***Effective Communication:*** *Demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts*
3	***Social Interaction:*** *Foster social skills and peer interaction enabling them to make all people feel valued and respect their differences by being responsible citizens for creating a socially inclusive society*
4	***Ethical Standards:*** *Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions*
5	***Environmental Consciousness:*** *Discern the issues of environmental contexts and engages in promoting values and attitudes that claim coexistence and sustainable living with reduced, minimal, or no harm upon ecosystems*
6	***Lifelong Learning:*** *Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting*

	continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment

5.2.2. State how and where the POs are published and disseminated

College website

5.2.3. List Stakeholders of the Program

(List stakeholders of the program under consideration for accreditation and articulate their relevance)

5.2.4. State the process for establishing POs

Step 1: Vision and Mission of the college are taken as the basis.

Step 2: Vision and Mission of the department are taken as a basis to interact with various stakeholders.

Step 3: The program coordinator collects the views of the stakeholders.

Step 4: On considering the views that were collected from the stakeholders, the POs are formulated by the team of faculty members identified for the program.

Step 5: The POs are represented before the college level IQAC committee for additional inputs to improvise the program

Step 6: Finally approves the POs

5.2.5. Establish consistency of POs with Mission

Program Outcomes (PO)	consistency of POs with Mission
Critical Thinking	3
Effective Communication	2
Social Interaction	2
Ethical Standards	3
Environmental Consciousness	3
Lifelong Learning	2

1: Slightly related 2: Moderately related 3: Substantially related

5.3. Attainment of Program Outcomes with global relevance for developmental needs

5.3.1. Justify the contributions of the Programme Curriculum towards attainment of Pos

To gain professional competency, it's important to have subject knowledge (PO1), problem solving skills (PO2), along with a systematic approach to investigate life science problems (PO3), in order to examine societal, health, safety etc. issues and identify the responsibilities with respect to the issues (PO4). This will ensure sustainable development (PO5) and will also ensure lifelong learning of an individual (PO6) in the field of Biotechnology. An efficient management of time and resources (PO7) and a constant inclination to lifelong learning (PO7), along with the ability to conduct field and laboratory investigations to utilize modern tools and techniques (PSO3), help the students to take up innovative research projects.

5.3.2. Explain how administrative system helps in ensuring the attainment of Pos

New facilities are introduced in connection with the extension program of the research and development cell. Faculties with high degree of academic professionalism combined with excellent infrastructural facilities and teaching learning methodologies shall enable graduates to perform the analysis, design and construct complex systems accepting the new technological challenges.

5.3.3. Indicate the additional co-curricular activities undertaken towards the attainment of the Pos

Seminars and workshops on professional practices/duties conducted for the students trained them about their duties and responsibilities.

5.4. Assessment of the attainment of Programme Outcomes with global relevance for developmental needs

5.4.1. Indicate tools and processes used in assessment of the attainment of Pos

PO is evaluated based on the performance of students in internal assessments and in university examination of a course. Internal assessment contributes 20% and university assessment contributes 80% to the total attainment of a PO.Internal tests serve to encourage students to keep up with course content covered in class. Two written examinations are conducted and its average marks are considered.

Assessment tools are categorized into Direct and Indirect methods to assess the program outcomes.

Direct methods display the students' knowledge and skills from their performance inthe various academicactivities like Internal Assessment Exams, End–Semester Examinations, Assignment/Class Tests, Presentations, and Home Assignments, Quizzes, Practicals etc. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning. Average CO-PO attainment of all the courses is considered as a direct method assessment tool for PO attainment.

Indirect methods such as surveys and interviews of the stakeholders to reflect on student's learning. They assess opinions or thoughts about the graduates' knowledge or skills valued by different stakeholders.

5.4.1.1. Provide the evidence of the achievement of POs

Based on the programme wise analysis of results of each semester of UG and PG, POs of each programme can be assessed.

5.4.1.2. Indicate how the POs have been redefined the past

Could identify the weakness and make the necessary action to improve the same

6. Programme Specific Outcomes with global relevance for developmental needs

6.1. Definition and Validation of Course Outcomes and Programme Specific Outcomes

Programme Specific Outcomes of B.Sc. Botany & Biotechnology

● *Recall the fundamentals of Biotechnology which would enable them to comprehend the emerging and advanced engineering concepts in life sciences.*
● *Apply the acquired conceptual knowledge by connecting disciplinary and interdisciplinary aspects of biotechnology.*
● *Propose the technological knowhow in domains of biotechnology for their applications in industry and research.*
● *Identify the importance of bioethics, IPR, entrepreneurship, ecotourism so as to usher in the next generation of Indian Industrialists and Naturalists.*
● *Evaluate the need and impact of scientific solutions on the environment and the society, keeping in view of their sustainable development.*
● *Analyze the knowledge gained in Biotechnology for lifelong learning.*
● *Identify the different groups of botany and appreciate plant diversity.*
● *Understand the current developments in the different areas of botany.*

● *Analyze and apply the methodologies and techniques learnt during the course of studying botany.*
● *Integrate the knowledge acquired in botany to solve problem, take real time decisions and innovate, while working with plants.*
● *Share social and environmental consciousness with their fellow citizens.*
● *Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and interact productively with people from diverse backgrounds*

	Course Name & COs
1	***METHODOLOGY OF SCIENCE AND AN INTRODUCTION TO BOTANY*** ● *Understand the universal nature of science.* ● *Demonstrate the use of scientific method* ● *Impart an insight into the different types of classifications in the living kingdom.* ● *Appreciate the world of organisms and its course of evolution and diversity.* ● *Develop basic skills in Botany so that students can innovate using scientific methodology* ● *Demonstrate the use of scientific method* ● *Impart an insight into the different types of classifications in the living kingdom.* ● *Develop basic skills in Botany so that students can innovate using scientific methodology*
2	***BIOSTATISTICS*** ● *Describe various application area of biostatistics* ● *Distinguish different types of data and sampling techniques.* ● *Summarize, organize and display quantitative data* ● *Calculate and interpret measures of central tendency and variability in statistical data.* ● *Compute and interpret the result of correlation and regression analysis* ● *Compare different population sample using ANOVA* ● *Recall the characteristics of probability distribution* ● *Identify appropriate tests to perform hypothesis testing and experimental design for biological experiment and interpret the output adequately.* ● *Explain the characteristics and use of statistical software and packages of biostatistics* ● *Use various graphical and pictorial representation for presenting data* ● *Analyzing biological data using methods for central tendency* ● *Calculate measures of dispersion in various data* ● *Predict the significance of experiment using statistical methods* ● *Interpret the correlation coefficient to determine the strength and direction of the linear relationship between variables.* ● *Apply statistical software for manipulating biological data.*
3	***CELL BIOLOGY AND DEVELOPMENTAL BIOLOGY*** ● *Recall the history of cytology and draw the structure of cell organelles and locate its parts along with functions* ● *Design the model of a cell.* ● *Distinguish the structure of prokaryotic and eukaryotic cell.* ● *Explain the organization of Genes and chromosomes, chromosome morphology and its aberrations*

	● *Distinguish the types and mechanism of mutations.* ● *Compare and contrast the events of cell cycle and its regulation* ● *Summarize the definition, sources and applications of stem cells.* ● *Explain the communications of cells with other cells and to the environment.* ● *Explain the process of development in general* ● *Distinguish the various process involved in plant and animal development.* ● *Identify prokaryotic and Eukaryotic cell* ● *Identify the blood group* ● *Interpret the cell number* ● *Visualize the cell size* ● *Examine cell division* ● *Predict chromosome length* ● *Visualize mitochondria*
4	***ELEMENTARY BIOCHEMISTRY*** ● *Draw the structure of water.* ● *Recognize the different types of bonds involved in interactions in aqueous systems.* ● *Predict the ionization of water, strong and weak acids and bases and their dissociation.* ● *Apply the concepts of p^H and buffers.* ● *Describe the structure of biological membranes.* ● *Identify the membrane proteins.* ● *Categorize the transport mechanisms across cell membranes.* ● *Recognize Donnan equilibrium.* ● *Describe the structure of chloroplast.* ● *Investigate photosynthesis.* ● *Describe biological nitrogen fixation.* ● *Analyze the basic techniques in biochemistry.* ● *Apply methods of preparation of solutions* ● *Investigate the results of the basic techniques in biochemistry.* ● *Plan colorimetry and spectrophotometry experiments*
5	***MICROBIOLOGY, MYCOLOGY AND PLANT PATHOLOGY*** ● *Understand the world of microbes, fungi and lichens* ● *Appreciate the adaptive strategies of the microbes, fungi and lichens* ● *Understand the economic and pathological importance of bacteria and fungi* ● *Understand the ecological significance of lichens* ● *Identify common plant diseases and device control measures.*
6	***BIOPHYSICS AND INSTRUMENTATION*** ● *Recall the basic concepts of atomic structure and explain the fundamental principles and origin of spectral lines* ● *Recall and differentiate absorption and emission spectra. Identify the application of each region of the EM spectrum for spectroscopy.* ● *Recall and explain the techniques and underlying theory of UV-Visible, IR, NMR and Raman, AAS, XRD and mass spectroscopy* ● *Recall and relate the concepts of radioactivity and its applications* ● *Identify and relate the concepts in routine observations, functions of chloroplast and mitochondria, body temperature and its regulation* ● *Recall and describe the structure of cell membrane, membrane transport systems and membrane potential. Relate and differentiate various biopotential measuring instruments* ● *Identify and differentiate working principle, instrumentation and applications of various bio-analytical instruments.* ● *Reproduce and design an experiment with step-by-step instructions to address a research problem or bio-analytical practical/project*

7	***MOLECULAR BIOLOGY*** ● *Discuss characteristics of DNA and its primary, secondary and tertiary structure* ● *Explain major contributions towards the development of branch of molecular biology* ● *Describe semi-conservative mode of replication in prokaryotes and eukaryotes* ● *Illustrate recombination process* ● *Predict causes of mutation and identify different types of mutation* ● *Summarize the different in-vivo DNA repair mechanisms* ● *Identify RNA types and their functions* ● *Describe process of transcription in prokaryotes & eukaryotes* ● *Examine post transcriptional modifications* ● *Interpret genetic code and its characteristics* ● *Outline translational process* ● *Describe Operon concept, bacterial gene regulation eukaryotic gene regulation* ● *Analyze nature & causes of cancer and the genes involved in cancer* ● *Evaluate the synthetic theory of evolution and determine* ● *driving forces of evolution.* ● *Explain molecular evolution and genome evolution* ● *Conduct plant genomic DNA isolation* ● *Design an agarose gel electrophoresis procedure for qualitative analysis of DNA* ● *Apply UV-Spectrophotometry principles to quantify DNA* ● *Construct phylogenetic tree and interpret organismal relationships using MEGA software.*
8	***BIOMOLECULES*** ● *Explain the structure and properties of carbohydrates.* ● *Describe the reducing action of sugars.* ● *Classify lipids with examples.* ● *Combine the structure and functions of lipids.* ● *Define saponification number, acid number and iodine number of fats.* ● *Identify the structure of amino acids.* ● *Classify proteins with functions.* ● *Describe the denaturation of proteins.* ● *Discuss the structure of DNA.* ● *Describe the structure and functions of RNA.* ● *Judge the denaturation of nucleic acids.* ● *Produce reactions of Carbohydrates and Amino Acids* ● *Show reactions of Proteins, Lipids and NPN Substances* ● *Analyze Carbohydrates and Aminoacids.* ● *Analyze Proteins, Lipids and NPN Substances*
9	***PHYCOLOGY AND BRYOLOGY*** ● *Understand the unique and general features of Algae and Bryophytes and familiarize it* ● *Identify the external morphology, internal structure and reproduction of different types of algae and bryophytes* ● *Examine the possible applications in phycology and Bryology* ● *Predict the economic and ecological significance of bryophytes*
10	***MICROBIOLOGY AND MICROBIAL BIOTECHNOLOGY*** ● *Identify different types of microscopes with special reference to their working principle and usage along with the needs of different types of staining techniques.* ● *Interpret the structure of bacterial cell with a diagram* ● *Illustrate the various requirements and techniques used for cultivation of microbes and its preservation and control of microbial growth* ● *Discuss the bacterial phylogeny*

	● *Predict the bacterial growth patterns* ● *Examine the efficiency of a drug.* ● *Interpret the morphology and multiplication of viruses.* ● *Design the applications of microbes in industry* ● *Construct the different types of fermenter with special reference to their working principle and its application* ● *Explain the application of microbial enzymes in industry.* ● *Predict bacteria* ● *Examine bacterial motility* ● *Identify bacteria* ● *Construct the growth curve of bacteria* ● *Compare the antimicrobial activity of medicinal plant extracts/ antibiotics*
11	***IMMUNOLOGY*** ● *Compare and contrast innate and adaptive immunity.* ● *Design a model of Immunoglobulins* ● *Describe which cell types and organs present in the immune response.* ● *Illustrate various mechanisms that regulate immune responses and maintain tolerance* ● *Exemplify the adverse effect of immune system including Allergy, hypersensitivity and autoimmunity* ● *Apply basic techniques for identifying antigen-antibody interactions.* ● *Explain the stages of transplantation responses* ● *Recall the success of various transplant procedures* ● *Describe the immunological response against tumour and blood transfusion* ● *Elucidate the reasons for immunization and aware of different vaccination* ● *Apply immunological laboratory techniques to understand principles of antigen-antibody reaction.* ● *Use different immunological tests to study the immune effector function and immune development.* ● *Demonstrate gel-Immunodiffusion and Immunoelectrophoresis* ● *Evaluate laboratory test outcomes and determine the validity of the test results obtained.* ● *Design a immunological method to improve our understanding of immunology and its relevance to human health and to our society.*
12	***ENZYMOLOGY AND METABOLISM*** ● *Classify enzymes with examples.* ● *Justify enzyme kinetics.* ● *Compare coenzymes and cofactors.* ● *Write the specificity of enzymes.* ● *Deduce various pathways of carbohydrate metabolism.* ● *Describe Decarboxylation, Deamination and Transamination of Aminoacids.* ● *Illustrate the Urea cycle.* ● *Describe Glucogenic and Ketogenic amino acids with examples.* ● *Reproduce fatty acid biosynthesis.* ● *Assess oxidation of Fatty acids.* ● *Name Ketone bodies.* ● *Imagine Cholesterol biosynthesis.* ● *Examine the methods of extraction of enzymes* ● *Analyze the activity of enzymes*
13	***PTERIDOLOGY, GYMNOSPERMS AND PALEOBOTANY*** ● *Describe the general characters and classifications in lower forms of plants- Pteridophytes and Gymnosperms.* ● *Examine the distribution, morphology, anatomy, reproduction and life cycle of types mentioned in the syllabus*

	● *Identify the economic importance of gymnosperms and pteridophytes* ● *Understand the significance of Paleobotany and its applications.* ● *Familiarize basic skills and techniques in micropreparation and formulate methods to identify cryptogams and gymnosperms* ● *Examine the classification, distribution, morphology, anatomy, reproduction and life cycle of pteridophyte types mentioned in the syllabus* ● *Examine the classification, distribution, morphology, anatomy, reproduction and life cycle of Gymnosperms types mentioned in the syllabus*
14	***ANIMAL BIOTECHNOLOGY ANDNANO-BIOTECHNOLOGY*** ● *Recall and explain the techniques and applications of nanoparticles in Drug and gene delivery system, Microfabrication, Biosensors, Chip technologies, Nano-imaging and in related fields* ● *Apply methods of preparation of reagents and media for cell culture* ● *Illustrate the culturing of animal cell* ● *Identify the cell number* ● *Identify the cell nucleus* ● *Outline the history and structure of animal cell* ● *Illustrate the techniques, procedure and growth patterns of animal cell culture.* ● *Describe the in vitro applications of animal cell culture* ● *Distinguish the structure of gametes and its application in animal cell culture.* ● *Use the assisted reproductive technology practised in livestock and its applications* ● *Construct the techniques in production of cloned animals and its applications.* ● *Predict the ethical, social and moral issues related to cloning* ● *Construct techniques involved in transgenic animal technology and its applications* ● *Apply the applications of Gene therapy for the treatment of various diseases.* ● *Identify and recall the basic concepts of structural and functional aspects of macromolecules* ● *Recall and differentiate Biosynthesis, and properties of natural materials (proteins, DNA, and polysaccharides) and its structure-property relationships*
15	***PLANT BIOTECHNOLOGY*** ● *Recall the basic concepts of Biotechnology and explain fundamental cellular events during the process of plant cell culture development* ● *Determine the factors influencing plant cell differentiation and thereby execute proper techniques/ procedures for the maintenance of sterile condition and proper plant growth* ● *Apply learned techniques in new or similar situations* ● *Translate the concepts in future studies and debate on the issue related to GMOs and evaluate its significances* ● *Express the concerns over modern plant biotechnology and analyze them according to the regulatory frame works* ● *Differentiate various types of intellectual property rights and report measures for conservation of biodiversity* ● *Design an experiment with step-by-step instructions to address a research problem*
16	***NUTRITIONAL AND CLINICAL BIOCHEMISTRY*** ● *Recognize the nutritional importance of principle foods.* ● *Verify the sources, nutritional importance, diseases and manifestations associated with vitamins and minerals.* ● *Categorize the constituents of blood.* ● *Classify plasma components with functions.* ● *Interpret the pathways of blood coagulation.*

	● *Draw the structure of haemoglobin.* ● *List the different types of haemoglobins and the disorders associated with them.* ● *Identify the clinical biochemistry tests with their results.* ● *Combine the biochemical and clinical features of various metabolic disorders.* ● *Apply the methods of estimation of carbohydrates* ● *Apply the methods of estimation of lipids* ● *Apply the methods of estimation of proteins* ● *Investigate the methods of estimation of minerals and vitamins* ● *Analyze the urine qualitatively*
17	***ANATOMY, REPRODUCTIVE BOTANY AND MICROTECHNIQUE*** ● *Understand the Individual Cells and Tissues Simultaneously.* ● *Discuss the Structural Adaptations in Plants Growing in Different Environment.* ● *Understand the Morphology and Development of Reproductive Parts.* ● *Discuss Fruit and Seed Development.* ● *Devise Techniques to Preserve and Study Plant Materials.*
18	***PLANT PHYSIOLOGY AND BIOCHEMISTRY*** ● *Describe the various physiological aspects in plants* ● *Examine the role, structure and importance of biomolecules associated with plant life* ● *Discuss the basic aspects of plant metabolism* ● *Evaluate the role of enzymes in plant life* ● *Devise methods to improve basic skills and techniques related to plant physiology and biochemistry*
19	***ENVIRONMENTAL SCIENCE AND HUMAN RIGHTS*** ● *Identify various types of natural resources, human impact on these resources, and common resource management practices* ● *Develop skills and a commitment to act independently and collectively to sustain and enrich the environment.* ● *Understand the multidisciplinary nature, important theories and concepts of environmental science, ecosystems, natural resources and conservation* ● *Describe environmental hazards and risks and the social and economic ramifications* ● *Familiarize with the major environmental problems its causes and potential solutions* ● *Identify issues and problems relating to the human rights.* ● *Analyse country's situation or international situation in terms of human rights.* ● *Create awareness on various environmental acts in India*
20	***APPLIED MOLECULAR BIOLOGY*** ● *Identify the basic concepts of structural and functional aspects of genome and the omics techniques for possible application* ● *Recall and differentiate the various applications of PCR and Molecular markers* ● *Recall and explain the techniques, underlying theory and applications of these advanced techniques in cancer, genetic disorders and related pathophysiology* ● *Recall and identify working principle and applications of various immunoassays and immuno-techniques in disease diagnosis* ● *Reproduce and design an experiment with step-by-step instructions to address a research problem or diagnostic situation*

21	***ECOTOURISM (Open Course)*** ● *Describe the concept, principles & relevance of ecotourism* ● Categorize various ecotourism types ● Justify ecotourism is a means of sustainable tourism and recreation ● *Recognize the importance of eco-places and do's and don'ts in ecotravel* ● *Outline ecotourism industry, stake holders, ecotourism activities, ecotourism resources, conservation enterprises and commercialization chain* ● List major ecosystems, ecoregions, vegetation types and endemic regions in India and Kerala ● Describe the natural, cultural, monumental, archaeological, tribal resources in India and Kerala ● Interpret the potential of Kerala to develop ecotourism industry ● Explain the steps involved in ecotourism project designing and implementation ● *Identify positive and negative sides of ecotourism* ● *Evaluate the need for ecotourism certification and ecolabelling to prevent ecotoursim" lite activities* ● *Relate the potential of community based ecotourism in ensuring livelihood security* ● *Discuss the role of NGOs in ecotourism and capacity building* ● *Design a travel brochure for an ecotourism destination.*
22	***GENETICS,PLANT BREEDING AND HORTICULTURE*** ● *Understand the patterns of inheritance in different organisms* ● *Outline basics of linkage of genes, sex determination and quantitative inheritance* ● *Understand the inheritance pattern of extranuclear genes* ● *Understand the concept of population genetics* ● *Examine the methods of crop improvement* ● *Explain tissue culture as a method of plant breeding* ● *Discuss the various methods of plant propagation and its importance in human welfare* ● *Devise methods to improve gardening skills in students* ● *Solve problems related to genetics*
23	***ANGIOSPERM MORPHOLOGY,TAXONOMY AND ECONOMIC BOTANY*** ● *Understand the plant morphology terminologies as a foundation for plant recognition and identification.* ● *Analyze the methods and principles of classification and nomenclature.* ● *Plan desk, lab and field based studies of angiosperm diversity, identifying morphological specialties and writing short species descriptions and illustrations.* ● *Identify members of the major angiosperm families by observing their diagnostic features and economic importance.* ● *Evaluate the contributions of ethnobotany, BSI and interdisciplinary approaches to the advancement of plant taxonomy.*
24	***RECOMBINANT DNA TECHNOLOGY*** ● *Outline the concept of gene cloning* ● *Describe various laboratory protocols for isolation and purification of genomic DNA, RNA & plasmid* ● *Determine the concentration and purity of nucleic acids using UV spectrophotometry* ● *Compare different electrophoresis techniques* ● *Demonstrate agarose gel electrophoresis* ● *Describe the principles of nucleic acid hybridization techniques- Southern blot hybridization, Northern blot hybridization and in situ hybridization* ● *Design a workflow to carry out recombinant DNA technology experiment*

	● *Discuss various cloning vectors-plasmid derived vectors, bacteriophage derived vectors hybrid vectors & high capacity vectors with suitable examples* ● *Analyse enzymes used in recombinant technology* ● *Explain various methods for obtaining a target gene for cloning.* ● *Describe various gene transfer techniques, bacterial transformation and screening of transformants.* ● *Explain transgenics, antisense technology, RNAi technology and gene knock-out models* ● *Summarize applications of rDNA technology* ● *Evaluate the ethical, social and legal issues associated with recombinant technology* ● *Apply learned protocols to perform genomic DNA and plasmid DNA isolation* ● *Plan and conduct qualitative analysis of DNA by agarose electrophoresis* ● *Predict the role of restriction enzymes in RFLP by in silico analysis* ● *Analyze restriction digestion profile by conducting RFLP experiment* ● *Design a bacterial transformation experiment*
25	***BIOINFORMATICS*** ● *Describe the basic usage of computer and types of computer* ● *Summarize Operating Systems and Computer Viruses* ● *Explain about algorithm and programming and database concept.* ● *Use MS office programs to create personal and academic documents.* ● *Outline recent developments and application in the field of bioinformatics.* ● *Apply online resources and databases to gain access to biological data and literature information.* ● *Manipulate online and offline tools for sequence analysis and result.* ● *Discuss the use and methods in phylogenetic analysis.* ● *Construct a phylogenetic tree using biological sequence.* ● *Demonstrate the key concepts for protein structure prediction and protein modelling.* ● *Use major protein prediction tools and protein visualization tool.* ● *Summarize the procedure of CADD and standard tools in CADD* ● *Apply MS-Office Tools for creating academic data.* ● *Use bioinformatics databases on the internet for mining data.* ● *Compare similarity of species using sequence analysis.* ● *Construct a phylogenetic tree for different species* ● *Predict the molecular structure of protein and visualize that in rasmol tool.*
26	***PHYTOCHEMISTRY AND PHARMACOGNOSY (Elective Course)*** ● *Explain the morphological, organoleptic and microscopic analysis of medicinal plants* ● *Investigate herbal drugs and new formulations* ● *Explain different procedures for the extraction and separation of phytoconstituents in drug plants.* ● *Distinguish drug plants and its adulterants* ● *Distinguish the starch grains of Maize, wheat, rice, potato and curcuma.* ● *Classify various phytoconstituents according to their structure, function and uses.* ● *Identify major medicinal plants, morphology and structure of useful part and their medicinal importance.* ● *Explain the ingredients of important ayurvedic formulations.* ● *Identify major aromatic plants and explain methods of oil extraction.* ● *Formulate and relate drug discovery based on ethnopharmacological approach.*

Programme Specific Outcomes of M.Sc. Biotechnology

● *Choose the advanced concepts of Biotechnology which would enable them to comprehend the emerging aspects in life sciences.*
● *Understand the current developments in the different areas of biotechnology.*
● *Apply the acquired conceptual knowledge by connecting disciplinary and interdisciplinary aspects of biotechnology.*
● *Analyze the knowledge gained in Biotechnology for lifelong learning.*
● *Evaluate the need and impact of scientific solutions in Biotechnology for sustainable development.*
● *Propose the technological innovations in biotechnology for their applications in industry, research and development.*

	Course Name &COs
1	***BIOCHEMISTRY*** ● *Explain the structure and properties of carbohydrates.* ● *Combine the structure and functions of lipids.* ● *Identify the structure of aminoacids.* ● *Classify proteins with functions.* ● *Classify proteins with functions.* ● *Elaborate the structure of DNA.* ● *Describe the structure and functions of RNA.* ● *Describe the structure and functions of Vitamins, Coenzymes and Cofactors.*
2	***CELL BIOLOGY AND GENETICS*** ● *Explain the structure and functions of Cell wall, Plasma membrane and various cell organelles.* ● *Compare and contrast the events of cell cycle and its regulation* ● *Explain the communications of cells with other cells and to the environment* ● *Explain the fundamental laws of genetics.* ● *Understand the patterns of inheritance in different organisms.* ● *Elaborate the concepts of linkage of genes, sex determination and quantitative inheritance.* ● *Explain the organization of genes and chromosomes, chromosome morphology and its aberrations*
3	***BIOPHYSICS AND BIOINFORMATICS*** • *Recall and differentiate absorption and emission spectra.* • *Identify the application of each region of EM spectrum for*

	spectroscopy. • *Recall and explain the techniques and underlying theory of UV-Visible, IR, NMR and Raman, AAS, XRD and mass spectroscopy* • *Outline recent developments and application in the field of bioinformatics.* • *Apply online resources and databases to gain access to biological data and literature information.* • *Manipulate online and offline tools for sequence analysis and result.* • *Demonstrate the key concepts for protein structure prediction and protein modelling.* • *Summarize the procedure of CADD and standard tools in CADD*
4	***INSTRUMENTATION AND BIOSTATISTICS*** • *Identify and differentiate working principle, instrumentation and applications of various bio-analytical instruments* • *Describe various application area of biostatistics* • *Distinguish different types of data and sampling techniques.* • *Summarize, organize and display quantitative data* • *Calculate and interpret measures of central tendency and variability in statistical data.* • *Compute and interpret the result of correlation and regression analysis* • *Compare different population sample using ANOVA* • *Recall the characteristics of probability distribution* • *Identify appropriate tests to perform hypothesis testing and experimental design for biological experiment and interpret the output adequately.* • *Explain the characteristics and use of statistical software and packages of biostatistics* • *Use various graphical and pictorial representation for presenting data* • *Analyzing biological data using methods for central tendency* • *Calculate measures of dispersion in various data* • *Predict the significance of experiment using statistical methods* • *Interpret the correlation coefficient to determine the strength and direction of the linear relationship between variables.* • *Apply statistical software for manipulating biological data.*
5	***LABORATORY COURSE I*** • *Apply methods of preparation of solutions* • *Analyze colorimetric and spectrophotometric experiments* • *Investigate the results of the basic techniques in biochemistry* • *Use various graphical and pictorial representation for presenting data* • *Analyzing biological data using methods for central tendency* • *Calculate measures of dispersion in various data*

	● *Predict the significance of experiment using statistical methods* ● *Interpret the correlation coefficient to determine the strength and direction of the linear relationship between variables.* ● *Solve problems related to genetics*
6	***MICROBIOLOGY*** ● *Interpret the structure of bacterial cell* ● *Illustrate the various requirements and techniques used for cultivation of microbes and its preservation and control of microbial growth* ● *Predict the bacterial growth patterns* ● *Interpret the morphology and multiplication of virus.*
7	***IMMUNOLOGY*** ● *Compare and contrast the types of immunity.* ● *Illustrate the structure of Immunoglobulins* ● *Describe the cell types and organs present in the immune response.* ● *Apply basic techniques for identifying antigen-antibody interactions.* ● *Elucidate the reasons for immunization and aware of different vaccinations* ● *Describe the immunological response against tumor and blood transfusion* ● *Explain the stages of transplantation responses*
8	***MOLECULAR BIOLOGY*** ● *Elaborate the structure of DNA* ● *Describe DNA replication* ● *Explain DNA repair mechanisms* ● *Describe process of transcription in prokaryotes & eukaryotes* ● *Examine post transcriptional modifications* ● *Analyze translation* ● *Interpret genetic code and its characteristics.*
9	***METABOLISM AND ENZYMOLOGY*** ● *Classify enzymes with examples.* ● *Justify enzyme kinetics.* ● *Deduce various pathways of carbohydrate, lipid, aminoacid and nucleic acid metabolisms.*
10	***LABORATORY COURSE II*** ● *Analyze the various experiments related to enzyme kinetics.* ● *Interpret electrophoretic techniques* ● *Examine the various bacteriological and immunological procedures*
11	***BIOPROCESS TECHNOLOGY*** ● *Discuss isolation, preservation and maintenance of microorganisms* ● *Describe batch culture and continuous cultures* ● *Examine the design of bioreactors* ● *Analyze primary and secondary metabolites***.**
12	***RECOMBINANT DNA TECHNOLOGY*** ● *Describe various laboratory protocols for isolation and purification of genomic DNA, RNA & plasmid.* ● *Compare different electrophoresis techniques.* ● *Describe the principles of nucleic acid hybridization techniques -*

	Southern blot hybridization, Northern blot hybridization and in-situ hybridization. ● *Summarize applications of rDNA technology.* ● *Evaluate the ethical, social and legal issues associated with recombinant technology*
13	***PLANT AND ANIMAL BIOTECHNOLOGY*** ● *Illustrate the techniques, procedure and growth patterns of animal cell culture.* ● *Describe the in vitro applications of animal cell culture* ● *Predict the ethical, social and moral issues related to cloning* ● *Construct techniques involved in transgenic animal technology and its applications* ● *Determine the factors influencing plant cell differentiation and thereby execute proper techniques/ procedures for the maintenance of sterile condition and proper plant growth.* ● *Translate the concepts in future studies and debate on the issue related to GMOs and evaluate its significances* ● *Express the concerns over modern plant biotechnology and analyze them according to the regulatory frame works*
14	***ENVIRONMENTAL BIOTECHNOLOGY*** ● *Explain role of microbes in biodegradation of Xenobiotics* ● *Describe various bioremediation techniques* ● *Discuss various waste water treatment technologies* ● *Evaluate different solid waste management strategies* ● *Outline the role of biological nitrogen fixation* ● *Discuss applications of various biofertilizers.* ● *Elaborate over biopesticides and their usage.*
15	***LABORATORY COURSE III*** ● *Analyze the bacteriology of water, food and milk* ● *Estimation of COD and BOD* ● *Identify, Examine and Apply plant tissue culture techniques.*
16	***LABORATORY COURSE IV*** ● *Interpret the techniques for the isolation of DNA & RNA* ● *Examine competent cell preparation* ● *Investigate basic molecular biology techniques.*
17	***ELECTIVE1*** ***BIOPHARMACEUTICALS AND APPLICATIONS OF NANOTECHNOLOGY*** ● *Examine the basic concepts of pharmacology and drug discovery.* ● *Discuss the production and characterization and applications of nanoparticles*
18	***ELECTIVE 2*** ***IPR, BIOSAFETY AND BIODIVERSITY*** ● *Identify the importance of IPR, Biosafety and Biodiversity*
19	***ELECTIVE 3*** ***ENVIRONMENTAL SCIENCE*** ● *Explain the principles and scope of environmental science* ● *Identify biogeochemical cycles.* ● *Discuss the conservation of biodiversity* ● *Examine various biomes* ● *Analyze the methods of environmental protection.*

6.1.1. List the Course Outcomes (COs) and Programme Specific Outcomes (PSOs)

6.1.2. State how and where the PSOs are published and disseminated

College Website and Syllabus

6.1.3. Indicate processes employed for defining PSOs

- *PSO are defined to achieve the goals of POs*

- *PSO are defined to develop the qualities such as Critical Thinking, Effective Communication, Social Interaction, Ethical Standards, Environmental Consciousness and Lifelong Learning in students for promoting inclusive and holistic growth of the learner with thrust on real-time needs.*

6.1.4. Indicate how defined PSOs aligned to Graduate Attributes prescribed by UGC

The defined PSO of the department helps the students to develop the graduate attributes such as the qualities, skills and understandings of the program during their time within the institution. It also includes the disciplinary expertise or technical knowledge that has traditionally formed the core of most courses. They are qualities that also prepare graduates as agents of social good in an unknown future.

6.1.5. Establish the correlation between PSOs and Pos

PSOs	**Programme Outcomes**
Recall the fundamentals of Biotechnology which would enable them to comprehend the emerging and advanced engineering concepts in life sciences.	***Critical Thinking**: Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them*
Propose the technological knowhow in domains of biotechnology for their applications in industry and research.	***Effective Communication:** Demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts*
Apply the acquired conceptual knowledge by connecting disciplinary and interdisciplinary aspects of biotechnology.	***Social Interaction:** Foster social skills and peer interaction enabling them to make all people feel valued and respect their differences by being responsible citizens for creating a socially inclusive society*
Analyze the knowledge gained in Biotechnology for	***Ethical Standards:** Recognize values such as justice, trust, equity, fairness, kindness and develop a*

lifelong learning.	*commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions*
Evaluate the need and impact of scientific solutions on the environment and the society, keeping in view of their sustainable development.	***Environmental Consciousness:*** *Discern the issues of environmental contexts and engages in promoting values and attitudes that claim coexistence and sustainable living with reduced, minimal, or no harm upon ecosystems*
Apply the acquired conceptual knowledge by connecting disciplinary and interdisciplinary aspects of biotechnology	***Lifelong Learning:*** *Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment*

6.2. Attainment of Programme Specific Outcomes

6.2.1. Illustrate how Course outcomes (CO) contribute to PSOs

CO is the attribute that the students are expected to have after completing the course. The evaluation of whether CO is attained is essential in determining the student achieving in a particular course. The result of CO attainment will also be used to evaluate the attainment of Programme Specific Outcomes (PSO). This is done by internal evaluation, mapping of the outcome and based on feedback/follow up data evaluation. The outcome of analysis will be used to improve the teaching and learning experience in the particular course.

6.2.2. Explain how modes of delivery of courses help in attainment of PSOs

- *Lecture method and Interactive learning*
- *Group discussion and seminars*
- *Project-based learning*
- *SMART class Room*
- *Heuristic learning practices*

6.2.3. Indicate the extent to which the laboratory and project course work are contributing towards the attainment of the PSOs

70 % attainment of the PSOs

6.3. Assessment of the Attainment of Program Specific Outcomes

6.3.1. Describe assessment tools and processes used for assessing the attainment of each PSO

- *Internally developed assessment exams*
- *End semester exams*
- *Project presentations*
- *Viva voce*
- *Periodic Board of studies advisory committee meetings*

6.3.2. Indicate results of assessment of each PSOs

Mapping, Assessment and maintenance of records of result are done by office of the Controller of examination

6.4. Use of Assessment results towards improvement of programme

- *Introduction better teaching and learning aids and practices based on the nature of the out put*
- *Remedial coaching for weak students*

7. Program Curriculum

7.1. Curriculum11

7.1.1. Describe the Structure of the Curriculum 118

(List the course outcomes of the courses in programme curriculum and programme specific outcomes of the programme under accreditation)

PSOs of M.Sc. Biotechnology

Recall the fundamentals of Biotechnology, Microbiology, Bioinformatics, Immunology and Biochemistry which would enable them to comprehend the emerging and advanced engineering concepts of life sciences.
Demonstrate proficiency in basic laboratory skills common to research laboratories, including aseptic technique, operating current instrumentation, preparing samples for various analyses, and maintaining a proper scientific laboratory notebook.
Identify the importance of bioethics, IPR and entrepreneurship so as to usher in the next generation of Indian Industrialists
Evaluate the need and impact of scientific solutions on the environment and the society, keeping in view of their sustainable development.
Explain and properly apply the scientific method by developing valid hypotheses, designing experiments, gathering relevant data using current technology, and interpreting quantitative and qualitative data.
Prepare written and oral scientific communications that use tables and graphs to report results, that describe detailed experimental procedures, and that clearly explain conclusions.
Understand the foundational concepts of biotechnology, and how these impact research and development in the diverse fields that span healthcare, agriculture and environmental sustainability.
Propose the technological knowhow in domains of biotechnology for their applications in industry and research.
Recognize the need and have the ability to engage in independent and life-long learning in the broadest context of technological change, thereby exhibit growth in personal and professional responsibility.

PSOs of B.Sc. Botany and Biotechnology

Recall the fundamentals of Biotechnology which would enable them to comprehend the emerging and advanced engineering concepts in life sciences.
Apply the acquired conceptual knowledge by connecting disciplinary and interdisciplinary aspects of biotechnology.
Propose the technological knowhow in domains of biotechnology for their applications in industry and research.
Identify the importance of bioethics, IPR, entrepreneurship, ecotourism so as to usher in the next generation of Indian Industrialists and Naturalists.
Evaluate the need and impact of scientific solutions on the environment and the society, keeping in view of their sustainable development.
Analyze the knowledge gained in Biotechnology for lifelong learning.
Identify the different groups of botany and appreciate plant diversity.
Understand the current developments in the different areas of botany.
Analyze and apply the methodologies and techniques learnt during the course of studying botany.
Integrate the knowledge acquired in botany to solve problem, take real time decisions and innovate, while working with plants.
Share social and environmental consciousness with their fellow citizens.
Organize and deliver relevant applications of knowledge through effective written, verbal,

graphical/virtual communications and interact productively with people from diverse backgrounds

Course outcomes of each course of UG and PG Programme of the Biotechnology Department is attached in the appendix.

7.1.2. Justify how the program curriculum satisfies the program specific outcomes

Program curriculum helps the students to attain the CO. CO is the attribute that the students are expected to have after completing the course. The evaluation of whether CO is attained is essential in determining the student achieving in a particular course. The result of CO attainment will also be used to evaluate the attainment of Programme Specific Outcomes (PSO). This is done by internal evaluation, mapping of the outcome and based on feedback/follow up data evaluation.

7.2. State components of Curriculum and their relevance to PSOs and POs

The curriculum components as per 7.1.1 helps the students to achieve the corresponding PSOs and thereby POs such as Critical Thinking, Effective Communication, Social Interaction, Ethical Standards, Environmental Consciousness and Lifelong Learning

7.3. State Core subjects and their relevance to Program outcomes

The core subjects mentioned in the curriculum components as per 7.1.1 helps the students to achieve the corresponding PSOs and thereby POs such as Critical Thinking, Effective Communication, Social Interaction, Ethical Standards, Environmental Consciousness and Lifelong Learning

7.4. Course Syllabus

- Appendix 1

7.5. Illustrate the measures and processes used to identify the curricular gaps to the attainment of the COs/PSOs with global relevance for developmental needs.

Organizing curriculum that reflects the experience of the students

Remedial Classes, Industrial Visits, Internships, Workshops etc.

7.5.1. Syllabi revision –No: of programs added/dropped year wise.

Year of Introduction of the programme	**If revision has been carried out in the syllabus during last 5 years**	**Year of revision**	**Title and code of the course added**	**Title and code of the course dropped**	**Percentage of Syllabus content added or repla**	**Link of the relevant document**

					ced	
B.Sc. Botany and Biotechnology	Yes	2018			15 %	College Web site
M.Sc. Biotechnology	Yes	2019			15 %	College Web site

(Link of relevant document, Academic Council meeting minutes)

7.6. Vertical mobility of programmes

The core courses of the double main UG program (B.Sc. Botany & Biotechnology) are highly competent and provide opportunity for choosing a variety of subjects for specialization at PG level. Other than Biotechnology and Botany, students will be able to pursue their masters in disciplines like Biochemistry, Microbiology, Genomics, Medical biochemistry, Medical Microbiology, Bioinformatics, Plant sciences, Environmental Science, Environmental Biotechnology, Food Technology, MBA etc. Also 'On the Job training' and 'final degree project' equips students to carry out experimental works individually or in groups which in-turn helps in inculcating research aptitude. The outgoing students are proficient to secure seats for masters at national level institutes and abroad universities. The challenges for vertical mobility include limited seats for PG at national institutes and universities and aspirants need to clear national level competitive exams. At present, industrial tie ups are at infancy which dwindle chances for placements after UG course.

The PG program in Biotechnology is designed to provide good practical training as well as to impart adequate knowledge in modern concepts of biotechnology and its branches. The final six month project will equip relevant skills and aid students to explore their career opportunities in various research fields including plant biotechnology, environmental biotechnology etc. The trained students will get an opportunity to work in Govt. aided projects at various research and clinical labs, Pharmaceutical companies and food processing industries. Our bio-technologists also get absorbed into the marketing and business divisions of Biotech firms as well. The Biotech job market in India is still at its developing stage, and only a highly skilled and passionate aspirant can get into a direct job after post graduation. However the students enrolled in our programme are mediocre. Meritorious and passionate students cannot be expected in a self financing course. Moreover

students need to crack national level exams for get into a PhD program. The major limitation is synergy or partnership with industry.

7.7. Indicate the content beyond syllabus imparted for the attainment of the COs/PSOs

Program	***Course***	***Content beyond syllabus***
B.Sc. Botany and Biotechnology	*Angiosperm morphology, taxonomy and economic botany*	*Taxonomical identification of flora*
	Genetics, Plant breeding and Horticulture	*Modelling miniature garden*
	Mycology, Lichenology and Plant Pathology	*Mushroom cultivation, Identification of mushrooms*
	Microbiology	*Microbial identification & characterization*
M.Sc. Biotechnology	*Bioprocess Technology*	*Bioreactor configuration*
	Plant Biotechnology	*Micropropagation of ornamental plants*
	Environmental Biotechnology	*Isolation of Biodegrading organisms from contaminated soils* *Demonstration of composting*

7.8. Percentage of courses having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations for the last 5 years

Note: Calculate the percentage for courses addressing each issue separately.

7.8.1. UG programme[$]

$$\text{Percentage} = \frac{Number\ of\ courses\ with\ focus\ on\ Gender\ issues}{Total\ number\ of\ courses\ in\ the\ programme} \times 100$$

*= (4/62)*100=6.45%*

Name of the Program	***Name of the Course***	***Course Code***	***Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations***
B.Sc Botany and Biotechnology	*Environmental Science and Human Rights*	*BY1815108*	*Environment & sustainability, Human values*
	Ecotourism	*BT1815401*	*Environment & sustainability, Human values*
	Plant Biotechnology	*BT1814107*	*Human values & professional ethics*

$ If there are more than one UG programme in a department, provide the data and the
percentage for them separately.

7.8.2. PG Programme$$

Formula:

$$\text{Percentage} = \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$$

*=(4/20)*100=20 %*

Name of the Program	***Name of the Course***	***Course Code***	***Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations***
M.Sc. Biotechnology	*Recombinant DNA Technology*	*BT23112*	*Human values & professional ethics*
	Environmental Biotechnology	*BT23114*	*Environment & sustainability, Human values*
	Environmental Science	*BT24317*	*Environment & sustainability, Human values*
	IPR,Biosafety and Biodiversity	*BT24319*	*Human values & professional ethics*

$$ If there are more than one PG programme in a department, provide the data and the percentage for them separately.

7.9. New courses introduced: Certificate/Diploma, Twinning/Dual Degree Programme, Double Main/Triple Main, Open Courses, etc.: nil

Name of the course	**Year of Introduction**	**Aided/ Self-financing**	**Relevance to PSO and POs**

(Documents of course approval or tie up if any, Minutes of AC/BOS)

7.10. Number of programmes with CBCS/elective course system implemented year wise

Name of the programme	**Title and code of the elective course**	**Number of hours and credit of the course**	**Relevance to POs and PSOs.**

(Minutes of the BOS)

7.11. Number of value-added courses (with 30 or more contact hours) imparting transferable and life skills offered & percentage of students enrolled in those courses during the previous academic year

Formula:

Percentage of students enrolled in value added courses = $\frac{\text{Number of students enrolled in the courses in the last 3 years}}{\text{Total number of courses in all programmes}} \times 100$

Year -				
Name of the value added courses (with 30 or more contact hours) offered during last 5 years	**Course Code**	**No. of times offered during the same year**	**Number of students enrolled in the year**	**Number of Students completing the course in the year**

7.12. Employability/ entrepreneurship / skill development

7.12.1. Percentage of courses in UG programme having focus on employability / entrepreneurship / skill development for the last 3 years¶

Percentage = $\frac{\text{Number of courses with focus on employability / entrepreneurship / skill development}}{\text{Total number of courses in the UG programme}} \times 100$

(11/62) *100= 17.74%

Name of the Program	***Name of the Course***	***Year of introduction***	***Year of discontinuation***	***Activities with direct bearing on Employability/ Entrepreneurship/ Skill development***
B.Sc. Botany and Biotechnology	*OJT*	*2002*	--	*Employability*
	Genetics, Plant Breeding & Horticulture			*Skill development Employability*
	Plant Biotechnology			*Skill development, Employability*
	Nutritional And Clinical Biochemistry			*Skill development*
	Angiosperm, Morphology, Taxonomy& Economic Botany			*Skill development*
	Molecular Biology			*Skill development*
	Microbiology			*Skill development, Employability*
	Recombinant DNA			*Skill development*

	technology			
	Investigatory Project			*Skill development*
	Bioinformatics			*Skill development*
	Environmental Science			*Entrepreneurship*

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

7.12.2. Percentage of courses in PG programme having focus on employability / entrepreneurship / skill development for the last 3 years¶

Formula:

Percentage = $\frac{\text{Number of courses with focus on employability / entrepreneurship / skill development}}{\text{Total number of courses in the UG programme}} \times 100$

*= 9/20*100=* ***45%***

Name of the Program	***Name of the Course***	***Year of introduction***	***Year of discontinuation***	***Activities with direct bearing on Employability/ Entrepreneurship/ Skill development***
M.Sc Bio-technology	*Molecular Biology*	*2005*	*-NA-*	*Skill development*
	Microbiology			*Skill development, Employability*
	Recombinant DNA technology			*Skill development*
	Biochemistry			*Skill development*
	Plant and animal Biotechnology			*Skill development, Employability*
	Environmental Biotechnology			*Skill development*
	Instrumentation & Biostatistics			*Skill development*
	Project			*Skill development, Employability*
	Lab course-I,II,III			*Skill development*

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

7.13. Industry interaction/internship

Students are encouraged and directed to interact with biotech companies/representatives and provide opportunities for internships at research institutes or labs.

7.13.1. Percentage of UG students undertaking field projects/internships in other institutions

Formula:

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$\frac{\text{Number of UG students undertaking field projects or internships}}{\text{Total number of UG students}} \times 100 =$ **2.4%**

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out
1	Parvathy Jayaraj	1	1	BIRAC-SRISTI Biotech Innovation Ignition School(BIIS)
4	Adhithyasankar C.L	1	1	Unibiosys,Kochi

7.13.2. Percentage of PG students undertaking field projects/internships in other institutions

Formula:

$$\frac{Number\ of\ PG\ students\ undertaking\ field\ projects\ or\ internships}{Total\ number\ of\ PG\ students} \times 100 = \mathbf{75\%}$$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out
4	Meenu Elizebeth Cherian Krishna PK Reshma Reghu	15	20	Rubber Research Institute of India, Kottayam
	Akshara T S Abhila Asi Anakha S Ashna Thampi Drishya K B Naina PS Anjana Asok			RGCB, Thiruvanthapuram
	Gayathri S			Central Institute of Fisheries, Kochi
	Anit Tressa Joy			Unibiosys, Kochi
	Nimisha Raju			Agriculture University, Thrissur
	Graphisha Thomas			
	Elizabeth Rose Mary			

8. Result and Students Performance

8.1. Success Rate (Result)

Formula:

$$\text{Pass percentage} = \frac{Total\ number\ of\ \ students\ who\ passed\ the\ course\ examination\ in\ a\ year}{Total\ number\ of\ students\ appeared\ for\ the\ course\ examination\ in\ a\ year} \times 100$$

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass %	Number of students with grade							
					S	A+	A	B+	B	C	D	F
2018 - 2021 First Sem	B.Sc Botany and Biotechnology	31	19	61.29	-	1	4	5	7	2	-	12
Second Sem		30	15	50	-	3	7	5	-	-	-	15
Third Sem		29	22	75.86	-	4	2	6	7	2	1	7
Fourth Sem		29	24	82.76	1	6	7	7	3	-	-	5
Fifth Sem		29	27	93.10	-	7	7	9	4	-	-	2
Six Sem		29	27	93.10 118	1	7	10	6	3	-	-	2
2017 - - 2020 Secon	BSc Botany	32	26	81.25	-	6	1	7	1	-	-	6

d Sem	and Biotechnology						2					
Third Sem		32	30	93.75	-	5	6	7	9	3	-	2
Fourth Sem		32	31	96.88	-	1	8	-	13	9	-	1
Fifth Sem		31	27	87.10	-	5	6	7	7	2	-	4
Sixth Sem		31	27	87.10	-	6	9	10	2	-	-	4
2016 - 2019 Fourth Sem	BSc Botany and Biotechnology	37	35	94.59	-	6	16	-	12	1	-	2
Fifth sem		37	31	83.78	-	1	9	-	10	8	3	6
Sixth Sem		37	32	86.49	-	4	16	-	12	-	-	5

UG Subsidiary Courses

Semester	**Course title and code**	**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**	**Number of students with grade**							
					A	**B**	**C**	**D**	**E**	**F**		
				118								

UG Open Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					A	B	C	D	E	F		

UG Common Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					A	B	C	D	E	F		

UG Additional Language Courses

Seme	Course	Number of	Number of	Pass percent	Number of students with

ster	title and code	students appeared for the course examination	students passed the course examination	age	grade							
					A	B	C	D	E	F		

PG Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade							
					A	B	C	D	E	F		
2017 First SEM	M.Sc Biotechnology Data not available in the file from COE office	7	6									
Second SEM		7	6	85.71 118	1	5	-	-	-	1		
Third SEM		7	7	100	1	5	1	-	-	-		

Fourth SEM		7	7	100	1	6	-	-	-	-		
2018 First SEM		6	6	100	-	6	-	-	-	-		
Second SEM		6	6	100	-	5	1	-	-	-		
Third SEM		6	6	100	-	6	-	-	-	-		
Fourth SEM		6	6	100	-	6	-	-	-	-		
2019 First SEM		20	20	100	2	9 B+ 2 B	-	7	-	-	-	-
Second SEM		20	20	100	4	11 B+ 2 B	-	3	-	-	-	-
Third SEM		20	20	100	9	7 B+ 2 B	-	2	-	-	-	-

8.2. Academic Performance

8.2.1. Percentage of students qualifying state/ national/ international level examinations during the last 3 years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/ State government examinations/ other examination)

Formula:

Percentage =

$$\frac{Number\ of\ students\ qualifying\ state\ /\ national\ /international\ level\ examinations}{Total\ number\ of\ students\ who\ have\ appeared\ for\ the\ exam} \times 100$$

Academic year: 2020-21- Nil

Registration number/ roll number for the exam	Number of students selected/ qualifying								
	NET	SLET	GATE	GMAT	CAT	GRE	TOFEL	Civil Services	State government examinations

8.3. Placement and Higher Studies

8.3.1. Percentage of placement of outgoing students from UG programme during the last 3 years[$$]

Formula:

Percentage = 3.4 %

$$\frac{Number\ of\ outgoing\ students\ placed}{Total\ number\ of\ outgoing\ students} \times 100$$

Number of students placed	Name of the employer with contact details	Package received
2021(1)	South Indian Bank	360000pa

$$ If the department offers more than one UG programme, provide the data and the percentage for each programme

8.3.2. Percentage of student progression from UG programme to higher education, i.e. UG to PG (previous graduating batch)[##]

Formula: $\frac{Number\ of\ outgoing\ UG\ students\ progressing\ to\ higher\ education}{Total\ number\ of\ final\ year\ students\ in\ the\ UG\ programme} \times 100$

24%

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Name of program graduated from	Number of students enrolling into higher	Name of institution joined	Name of program admitted to

	education		
BSc Botany and Biotechnology (2021)	**7**	**1.Martin-Luther University, Halle-Wittenberg,Germany 2. Amrita School of Biotechnology 3.Kerala University 4.KUFOS Kochi 5.SB College,Chenganassery,Kottayam 6. MES College Marampally 7.SH Thevara**	**1.MSc.Pharmaceutical and Industrial Biotechnology 2.MSc.Microbiology 3.MSc.Genetics and Plant Breeding 4. MSc.Marine Microbiology 5.MSc.Biochemistry 6.MSc.Biotechnology 7. MSc.Botany**

##If the department offers more than one UG programme, provide the data and the percentage for each programme

8.3.3. Percentage of placement of outgoing students from PG programme during the last 3 years$$

Formula:

$$\text{Percentage} = \frac{Number\ of\ outgoing\ students\ placed}{Total\ number\ of\ outgoing\ students} \times 100$$

3 %

Number of students placed	**Name of the employer with contact details**	**Package received**
1	**Doctor Johns Biotech Centre for Research and Development**	**120000 pa**

$$ If the department offers more than one PG programme, provide the data and the percentage for each programme

8.3.4. Percentage of student progression from PG programme to higher education , i.e. PG to M.Phil./PhD (previous graduating batch)##:

$$\text{Formula:} \frac{Number\ of\ outgoing\ UG\ students\ progressing\ to\ higher\ education}{Total\ number\ of\ final\ year\ students\ in\ the\ UG\ programme} \times 100 = 0\ \%$$

Name of program graduated from	**Number of students enrolling into higher education**	**Name of institution joined**	**Name of program admitted to**

##If the department offers more than one PG programme, provide the data and the percentage for each programme

Nil

8.4. Extra-curricular Activities

(Instruction: Student support system concerned may provide data for the past five years)

8.4.1. Number of students participated in sports at intercollegiate / University / state/ national / international level during the last 3 years : Nil

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number

8.4.2. Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years Nil

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number

8.4.3. Number of students participated in cultural events at intercollegiate / University /state/ national / international level during the last 3 years:

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number
Bharathanatyam(Male)	**Adhithyasankar C L**	**Regional**	**182112301**
Quiz	**Aiswaryalakshmi M**	**Regional**	**182112302**
Thiruvathira	**NAnNandini Pradeep**	**Regional**	**182112320**

8.4.4. Number of awards/ medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years: Nil

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number

8.4.5. Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years: Nil

Formula:

Percentage = $\frac{Number\ of\ students\ participating\ in\ such\ activities}{Total\ number\ of\ students} \times 100$

Name of the activity	**Name of the student**	**Organizing unit/ agency/ collaborating agency**	**Number of students participated in such activities**	**Total number of students**
Anti-narcotics awareness quiz	**Anagha**	**Anti Narcotics Club, CMS College**		
Speaker on Topic"Rethinking Youth Entreprenurship" with regard to 75th anniversary of United Nations	**Subana Abdul Salam**	**KFUNAI**	**1**	

8.4.6. Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3 years

Formula:

Percentage = $\frac{Number\ of\ students\ participating\ in\ such\ activities}{Total\ number\ of\ students} \times 100$

Name of the activity	**Name of the student**	**Number of students participated in such activities**	**Total number of students**
College Union-Magazine editor Literary Club	**Adhithyasankar C.L**		
NSS	**Athira Nandakumar**		
NSS	**Sneha mol P**		
NSS	**Athul Ajay**		
NSS	**Hephzibah Mariam Thomas**		
NSS	**Haritha Balakrishnan**		
NSS	**Adithya S Prasad**		
NSS	**Arjun Binu**		

NSS	**Aiswarya S**		
NCC	**Mohammad Aslam**		
NCC	**Akhil Baburaj**		
UNAI	**Subana Abdul Salam**		
Quiz club	**Aiswaryalakshmi M**		
Eastern Music club	**Anagha S Amitha Susan Bilu Mariya Darsana Prince**		
Creative arts club	**Devika Nandini Pradeep Bhagyasree R Anupama Reghuvaran Amrita Roy N.S Nandana**		

Provide table wise and year wise data separately for NSS/NCC/Clubs/College Union etc.

8.4.7. Professional societies/ chapters and organizing academic events

Name of the student	**Name of society/chapter**	**Academic event organized**

8.4.8. Organization of paper contests, design contests, etc., and achievements

Name of the student	**Name of contest**	**Type of the contest**	**Achievements**
Pavithra prasad	**Powerpoint presentation contest**	**National science Day sponsored by KSCSTE &organized by Dept. of Chemistry , CMS College.**	**second Prize**

8.4.9. Publication of technical magazines, newsletters, journals, etc.

Name of the student	**Technical magazine**				**Newsletter**				**Journal**			
	Name	**Title**	**Volume**	**Page No.**	**Name**	**Title**	**Volume**	**Page No.**	**Name**	**Title**	**Volume**	**Page No.**

8.4.10. Entrepreneurship initiatives, product designs and innovations (Describe the initiatives taken)

Innovative products from the Department under the supervision of Dr Smitha S.

1) Handmade soaps with natural essential oils having therapeutic effects
2) Incense sticks and candles using natural aromatic oils
3) Eco-friendly paper carry bags and other biodegradable craft items

8.4.11. Publications and awards in inter – institute events by students of the programme of study

Name of the student	**Name of the awarding institute**	**Name of the event**	**Name of the award**	**Position acquired (first/second third)**
ARYA SAJEEV	St.Joseph's College for Women , Alappuzha	RICERCA-2020 National Online Conference	PAPER PRESENTATION-EXCELSIOR AWARD	FIRST
AISWARYA K	St.Joseph's College for Women , Alappuzha	RICERCA-2020- National Online Conference	PAPER PRESENTATION	SECOND
PAVITHRA PRASASD	St.Joseph's College for Women , Alappuzha	RICERCA-2021 National Online Conference	PAPER PRESENTATION	SECOND

9. Faculty Contributions

9.1. Student Teacher Ratio (STR)

1:16

9.2. Faculty Cadre Ratio

(1 : 6) (HOD cum Assistant Professor : Assistant Professor)

9.3. Faculty Qualifications

Dr. Jinu John M.Sc., Ph.D.
Mrs. Prisho Mariam Paul M.Sc., M.Phil.
Dr. Smitha S M.Sc., M.A., B.Ed., Ph.D.
Mrs. Ashalakshmi C N M.Sc., M.Phil., NET
Mr. Renji Varghese M.Sc., M.A., B.Ed., PGDBI, DMLT
Dr. Vishnu Kannan M.Sc., M.S., Ph.D.
Dr. Linu Kuruvilla M.Sc., Ph.D., NET

9.3.1. Percentage of full time teachers registered for Ph.D. (Value points will be given only for the first 3 years of registration)

Formula:

Percentage **=**

$$\frac{Number\ of\ full\ time\ teachers\ in\ the\ department\ registered\ for\ Ph.D.}{Total\ number\ of\ full\ time\ teachers} \times 100$$

14%

Name of full time teacher registered for PhD	**Date of registration**	**Number of full time teachers registered for PhD**	**Total number of full time teachers**
Prisho Mariam Paul	28 Jan. 2020	0	7

9.3.2. Number of teachers awarded national/international fellowship for advanced studies/research during the last 3 years:

Year	**Name of the teacher awarded national / international fellowship**	**Name of the award**	**Awarding Agency**
2019	Dr. Jinu John	IASc-INSA-NASI Research Fellowship	INSA

9.3.3. Percentage of teachers recognized as research guides: 0%

Formula: $\frac{Total\ number\ of\ \ teachers\ recognized\ as\ research\ guides}{Total\ number\ of\ \ teachers\ in\ the\ department} \times 100$

0 %

Name of teachers recognized as research guides	Year of recognition	Recognizing University	Total number of teachers

9.4. Faculty competencies in correlation to Programme Specific Criteria

Dr. Jinu John	*Biotechnology*
Mr. Renji Varghese	*Biotechnology*
Dr. Smitha S	*Botany*
Mrs. Prisho Mariam Paul	*Bioinformatics*
Mrs. Ashalakshmi CN	*Environmental Science*
Dr. Vishnu Kannan	*Biotechnology*
Dr. Linu Kuruvilla	*Biotechnology*

9.5. Academic Calendar and Teaching plans

(Upload details of five years)

9.6. Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years

Formula: $\frac{Total\ number\ of\ \ Ph.D.degrees\ awarded\ during\ \ last\ 3\ years}{Total\ number\ of\ \ teachers\ as\ recognized\ guides}$ = 0 %

9.7. Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, E-content management etc.**

Formula: $\frac{Number\ of\ teachers\ in\ the\ department\ using\ ICT}{Total\ number\ of\ teachers\ in\ the\ department} \times 100$= 100%

Name of teacher using ICT	Type of ICT facilities used	Number of teachers using ICT	Total number of teachers
Dr. Unnikrishnan. N	LMS & E-learning resources[118]	08	08
Dr. Jinu John			
Mr. Renji Varghese			
Dr. Smitha S			
Mrs. Prisho Mariam Paul			
Mrs. Ashalakshmi CN			
Dr. Vishnu Kannan			

Dr. Linu Kuruvilla			

** Validation based on student feedback and link for webpage describing LMS/ Academic Management System.

9.8. Faculty as participants/ resource persons in faculty professional development/ training Activities/ seminars/ workshops/ symposia/ conferences. (national & international)

Year	**Duration (From – to)**	**Name of the teacher**	**Role of the teacher (participation/ resource person)**	**Type of programme (faculty development / training/ seminar/ workshop/ symposia/ conference)**	**Name of the programme**	**National/ international**
2019	01-11-2019 to 02-11-2019	Dr.Linu Kuruvilla	Participation	FDP	FDP on Outcome Based Education	National
2020	11/09/2020	Dr.Linu Kuruvilla	Participation	Seminar	Impact of Food Adulteration on Health and the need for Plantation Drive	International
2019	26th and 27th March	Dr.Linu Kuruvilla	Participation	Training	Hands on training on Clinical cytogenetics	National
2021	05.08.2021 -	Dr.Linu Kuruvilla	Participation	FDP/ Interdisciplinary	Managing Online classes and Co-creating	National

	19.08.2021			Refresher Course	MOOCs 7.0 organised by TLC Ramanujan College	
2019	22nd June	Smt.Ashalakshmi C N	Participation	Seminar	Environmental Sciences and Human Rights organized by Zoological Society of Kerala	State
2020	1-3 December, 2020	Smt.Ashalakshmi C N	Participation	Workshop	National Workshop on Solid Waste Management organised by Department of Environmental Sciences, University of Kerala	National
2020	September 16-19	Smt.Ashalakshmi C N	Participation	Webinar	Webinar Series on Marine Litter and Microplastic research organised by United Way of Mubai and National Centre for	International

					Coastal Research , MoEF, India	
2021	05.08.2021 - 19.08.2021	Smt. Ashalakshmi C N	Participation	FDP/ Interdisciplinary Refresher Course	Managing Online classes and Co-creating MOOCs 7.0	National
2021	September 20th-22nd	Smt.Ashalakshmi C N	Participation	Virtual Lecture workshop	CICOR-2021,Organized by Department of Marine Sciences , Bharathidasan University, Thiruchirapally	International
2021	27.09.2021 - 30.09.2021	Smt. Ashalakshmi C N	PAPER PRESENTATION	Conference	Bioresources and Commercial utilization – Trends, supply chain and sustainability Organized by Kerala State Biodiversity Board	State level
2021	18.10.2021 - 24.10	Smt. Ashalakshmi C N	Participation	Online Faculty Development Programme	FDP on Meaningful Research And Intellectual	National

	. 2021				Property Rights organised by TLC Ramanujan College	
2021	21.10.2021 - 23.10.21	Smt. Ashalakshmi C N	Participation	Conference	OMICS-2021 International conference - the 13th Annual Meeting of Proteomics Society of India.	International
2020	23-24 July	Prisho Mariam Paul	Participation	Webinar	Artificial Intelligence and Machine Learning in Computational Biology and Medical Sciences ,Organized by Abuja, Nigeria	International
2021	22nd March	Prisho Mariam Paul	Participation	Webinar	Synthetic Biology in Natural Product Drug Discovery. Webinar :Post Graduate & Research Department of Botany,	International

					St. Thomas College, Kozhencherry, Kerala, India.	
2021	25-27 May	Prisho Mariam Paul	Participation	Symposium	2nd Annual Symposium: New Approaches to TB Drug Discovery. Virtual(Organizers- Singapore,USA and India)	International
2021	5.10.2021 - 11.10.2021	Prisho Mariam Paul	Presentation	National Conference	IQAC & Research Commitee,St.Joseph College for women, Alappuzha in association with Kerala Sasthra Sahithya Parishath & Society of Biotechnologist, India.	National
2021	05.08.2021 - 19.08.2021	Dr Smitha S	Participation	Interdisciplinary Refresher Course	Managing Online classes and Co-creating MOOCs 7.0	National

2021	14.09.2021	Dr Smitha S	Participation	Webinar	Prevention and treatment of Anaemia in India	National
2021	17.09.2021	Dr Smitha S	Participation	Webinar	Climate Smart Agriculture from Multi-omics Perspective	International
2021	27.09.2021 - 30.09.2021	Dr Smitha S	Participation	Conference	Bioresources and Commercial utilization – Trends, supply chain and sustainability Organized by Kerala State Biodiversity Board	state
2021	27.09.2021 - 28.09.2021	Dr Smitha S	Participation	Webinar	Phytochemistry – Impacts and Applications	International
2021	05.08.2021 - 19.08.2021	Renji Varghese	Participation	Interdisciplinary Refresher Course	Managing Online classes and Co-creating MOOCs 7.0	National

2020	09/09/2020	Renji Varghese	Participation	Webinar	The Salient Features of NEP and its Rationale	National
2020	16/09/2020	Renji Varghese	Participation	Webinar	Practicable NEP-2020: Educational Thoughts	National
2020	23/09/2020	Renji Varghese	Participation	Webinar	National Educational Policy 2020: Opportunities and Challenges for the Collegiate Education System	National
2020	18/09/2020	Renji Varghese	Participation	Webinar	Social Entrepreneurship	National
2020	19/09/2020	Renji Varghese	Participation	Webinar	Cancer Biology	International
2020	24/08/2020	Renji Varghese	Participation	Webinar 118	Expert Directives and Experiences to Develop Global Research Career in Biologica	International

					l Sciences	
2020	08/10/2020	Renji Varghese	Participation	Webinar	Harnessing transcriptome resources of non-crop models for improving stress resilience in rice	International
2020	12/10/2020	Renji Varghese	Participation	Webinar	Crisis and the Sociological Perspective: The Pandemic and the Social Structure	National
2020	19/10/2020	Renji Varghese	Participation	Webinar	Molecular and physiological mechanisms of drought tolerance in Rice - A tale of backbencher gene	International
2020	13/10/2020	Renji Varghese	Participation	Webinar	MirRORs (miRNA Regulation of response) to salt stress in plants	International

2020	03/11/2020	Renji Varghese	Participation	Webinar	Soft Skills: Create a positive and productive work environment	International
2020	06/11/2020	Renji Varghese	Participation	Webinar	Towards raising crops for saline and dry lands	International
2020	14/11/2020	Renji Varghese	Participation	Webinar	Algal Biotechnology for Bioenergy and Bioremediation	International
2020	28/10/2020	Renji Varghese	Participation	Webinar	From Cytogenetics to Genomics-the journey so far	National
2020	24/11/2020	Renji Varghese	Participation	Webinar	From breeding to genome editing: long-term strategies to contain plant diseases	International

2020	27/11/2020	Renji Varghese	Participation	Webinar	Virtual Classroom, Silence and Exclusion: Revisiting the Pedagogical Resistance to Pandemic	International
2020	04/12/2020	Renji Varghese	Participation	Webinar	Translational genomics for achieving higher genetic gains in groundnut	International
2020	19/12/2020	Renji Varghese	Participation	Webinar	Agriculture 4.0	International
2020	31/12/2020	Renji Varghese	Participation	Webinar	Journey of rice research from salinity to fluoride stress response	International
2021	10/05/2021	Renji Varghese	Participation	Webinar 118	Hyperglycemia drives atherosclerosis: interplay of monocyte	National

					proteins and inflammation	
2021	June 24,2021	Dr. Jinu John	Participation	Symposium	One-day IQAC online symposium on NAAC Accreditation Process: Lesson from 4 recently accredited A++ colleges in Kerala.	National
2021	20-31May 2021		Participation	Webinar	Current Trends in Molecular Life Sciences	International
2021	March 18-20, 2021		Participation	Webinar	International webinar on CONSERVATION OF LIFE BELOW WATER: Perspectives on Systematics, Sustainable Livelihoods and Citizen Science" (COLIBA-2021)	International
2021	March 10,2021		Participation	Webinar	Food Adulteration in Daily Life	National
2021	Feb. 5, 2021		Participation	Webinar	KBC-Indriyam Bioentrepreneurship Basic Certificati	National

					on Course	
2021	Nov.26-28, 2020		Participation	Webinar	International webinar series on Food Chemical and Nanomaterials Toxicity (F.C.N.T)	International
2021	27 Nov. 2020		Participation	Webinar	Intellectual Property Rights	State
2021	Oct. 18, 2020		Participation	Webinar	"Algal Biotechnology For BioenergyandBioremediation"	State
2021	7th of Octobe r 2020.		Participation	Webinar	Biochemie Webinar Series #3 2020 titled, “National Education Policy ina Nutshell”	State
2021	09/09/2020		Participation	Webinar	The Salient Features of NEP and its Rationale	Local
2021	5th June 2021.		Resource person	Webinar	World Environmental Day Celebrations: “Covid-19: A learning opportunity to improve environmental sustainability	State

2021	9th July 2021		Resource person	Webinar	Intellectual Property Rights	State
2021	23, April	Dr. Vishnu Kannan		Webinar	Challenges and Impact of Covid on Tuberculos Organised by Sathyabama Insitutue of Science and Technology and School of Biological Sciences of Nanyang Technological university (NTU), Singapore.	International
2021	1st June 2020			Conference Online eposter	ASMS Conference on Mass Spectroscopy and Allied Topics, Houston, USA	International
2021	May 26, 27		Participation	Workshop	Human Brain Project (HBP) Young Researchers Event organised by Ebrains, Lithuanian University of Health Sciences, Lithuania	International
202	Octobe r 29		Participat	Webinar	Immune response of	Internati

1			ion		recipients after Covid vaccination organised by WHO	onal

9.9. Faculty Retention

9.10. Faculty Research Publications (FRP)

9.10.1. Number of research papers per teacher in the Journals notified on UGC website during the last 3 years

Formula: $\frac{Total\ number\ of\ \ publications\ in\ UGC\ notified\ journals\ in\ the\ \ last\ 3\ years}{Total\ number\ of\ \ teachers\ who\ published\ in\ UGC\ notified\ journals\ in\ the\ \ last\ 3\ years}$

100 %

Title of paper	**Name of the teacher**	**Name of journal**	**ISBN/ISSN number**	**Impact factor if any**	**Affiliating institute at the time of publication**
Identification and validation of microRNAs associated with drought tolerance in *Hevea brasiliensis.*	Dr.Linu Kuruvilla	Acta Physiologiae Plantarum	01375881, 18611664	Scopus impact factor 2.695	Rubber Research Institute of India
Investigating the association between common DRD2/ANKK1 genetic polymorphisms and schizophrenia: a meta-analysis.	Prisho Mariam Paul	Journal of Genetics	0022-1333	1.166	CMS College, Kottayam
In silico prediction of UCLH1 disease-causing SNPs and its effects on protein stability	Prisho Mariam Paul	Gene Reports	24520144	0.72	CMS College, Kottayam

Evaluation of Antibacterial Efficacy of 0.1%Octenidine Hydrochloride and 2% Chlorhexidine Gluconate Against *Enterococcus faecalis* - An In Vitro Study	Dr. Jinu John	International Journal of scientific Research	2277 - 817	5.71	CMS College
Elevated dimethyl arginine, ATP, cytokines, metabolic remodeling involving tryptophan metabolism and potential microglial inflammation characterize primary open angle glaucoma.	Dr. Vishnu Kannan	Scientific reports	245-2322 (Online)	5.13	Sri Sathya Institute of Higher learning, Medical Sciences, Andhra Pradesh and CMS College, Kottayam
Adenosine deaminase modulates metabolic remodeling and orchestrates joint destruction in rheumatoid arthritis	Dr. Vishnu Kannan	Scientific reports	2045-2322 (Online)	5.13	Sri Sathya Institute of Higher learning, Medical Sciences, Andhra Pradesh and CMS College, Kottayam
Nucleotides modulate synoviocyte proliferation and osteoclast differentiation in macrophages with potential implications for rheumatoid	Dr. Vishnu Kannan	3Biotech	2190-5738 (Online)	2.4	Sri Sathya Sai Institute of Higher Learning /Medical Sciences, Andhra

arthritis					Pradesh and CMS College, Kottayam.

Journal with the highest impact factor in your stream and its impact factor (multidisciplinary journals are not to be counted):.....

9.10.2. Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years

Formula:

$$\frac{\text{Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years}}{\text{Total number of teachers who published in the last 3 years}}$$

1

Title of the book/ chapters published	**Title of the paper**	**Title of the proceedings of the conference**	**Name of the conference**	**National / international**	**ISBN/ ISSN number of the proceeding**	**Name of the publisher**	**Affiliating institute at the time of publication**
Isolation and characterisation of novel bacterial strains from soil sample and putative identification through ABIS online microbial identification tool.	Isolation and characterisation of novel bacterial strains from soil sample and putative identification through ABIS online microbial identification tool. Ashalakshmi C N , Aiswary	Proceedings of National Online Student Project Presentation RICERCA2020,Research and Innovation for young mind:	RICE RCA2020	NATIONAL 118	978-93-89817-41-6	Ideal International E-publication, Indore, MP	CMS COLLEGE, KOTTAYAM

	a K						

9.10.3. BiblioMetrics of the publications during the last 3 years based on average citation index and H-index in Scopus/ Web of Science or PubMed/ Indian Citation Index/Google scholar

9.11. Faculty Intellectual Property Rights (FIPR)

9.11.1. Number of Patents published/awarded

Name of the teacher	**Name of the Patent published/awarded**	**Patent Number**	**Year of award**	**Affiliating institute at the time of publication/ award**
Dr. Jinu John	Full Spectrum Turmeric Extract by Fermentation Process	202141025244 A	2021	CMS College

9.12. Funded R & D projects and consultancy works

9.12.1. Major Research projects sponsored by government sources such as UGC, DST, DBT, KSCSTE, etc.

Name of the Principal Investigator	**Name of the Project/ Endowments, Chairs**	**Funds provided**	**Duration of the project**
Dr. Jinu John	**KSCSTE student project fund**	**10000**	**3 months**

9.12.2. Minor Research projects sponsored by government sources such as UGC (Amount in Rupees) : Nil

Name of the Principal Investigator	**Name of the Project/ Endowments, Chairs**	**Funds provided**	**Duration of the project**

9.12.3. Research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments (Amount in Rupees) Nil

Name of the Project/ Endowments, Chairs	**Name of the Principal Investigator**	**Funds provided**	**Duration of the project**

9.12.4. Consultancy: Nil

Name of the consultant	**Name of consultancy project**	**Consulting/Sponsoring agency with contact details**	**Revenue generated (amount in rupees)**

9.12.5. Revenue generated from corporate training by the department during the previous year: Nil

Names of the teacher-consultants	**Title of the corporate training program**	**Agency seeking training with contact details**	**Revenue generated (amount in rupees)**	**Number of trainees**

9.13. Number of awards for innovation won by teachers:Nil

Title of the innovation	**Name of the Awardee**	**Year of award**	**Name of the Awarding Agency with contact details**

9.14. Faculty interaction with International Collaborations: Nil

Name of the faculty	Collaborating agency/ institute/ industry	Name of the agency/ institute/ industry/ organization	Type of collaboration (research/ teaching/ industrial etc.)	Country of the collaborating party	Has any MoU signed ?	Validity period of the MoU (from date – to date)

9.15. Membership in Professional bodies Nil

9.15.1. Membership in academic bodies in Universities / other colleges

Name of the teacher	Name of the academic body	University/ other college	Position held
Prisho Mariam Paul	**Bioinformatics Examination Board M.Sc. and Mphil**	**Kerala University**	**Additional Examiner and Question Paper setter**
Dr. Jinu John	**Examination Board**	**M.G University**	**Chief and additional Examiner**
	Kerala academy of Science	**KSCSTE**	**Life Member**
	Society for Biotechnologists (India) (Membership No. L-753)	**Indian Universities**	**Life Member**
Dr. Linu Kuruvilla	Indian Society of Agricultural Biochemist	**C.S Azad University of Agriculture and Technology,**	**Life Member**

		Kanpur	

9.16. Reviewer/Editors of International and national journals

Name of the teacher	**Name of the Journal, ISSN No., publisher, national/ international**	**Role of the teacher (Reviewer/ Editor)**
Dr. Jinu John	Journal of Basic and Applied Scientific Research (Associate Editor) ISSN: 2090-4304 International	Editorial board member
	Philippine Scientist Journal (Associate Editor)	
	Global Journal of Multidisciplinary Studies (Advisory Member) *ISSN: 2249-2054*	
	Global, Intl. J. Bioinformatics and Biological Sci. (Advisory Member). *ISSN: 2319-5169*	
Dr. Vishnu Kannan	Medical Hypotheses and Cellular Signaling - Elsevier Journals. Web of Science, Community Medicine.	Reviewer Peer Review Mentor

9.17. Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 3 years

Name	**Academic body / Administrative body**	**Name of the Academic body / Administrative body / Committee**	**Specific role of the faculty**	**Duration of hours spent in the last 5 years**

	/ Committee			
Dr. Jinu John	Committee	IQAC	Member	180
Ashalakshmi C N	Committee	Discipline committee	Member	180
Ashalakshmi C N	Club	Creative Arts club- Performing and Fine arts Club	Program Co-ordinator	180
Dr Smitha S	Club	Performing and Fine arts	Program officer	180
Prisho Mariam Paul	**Administrative body**	College Admission	Assistant admission Officer	1250
Renji Varghese	Committee	Internal Exam Committee	Member	180
			Total hours spent	2150

9.18. Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years: Nil

Formula:

Percentage = $\frac{Number\ of\ teachers\ participating\ in\ such\ activities}{Total\ number\ of\ teachers} \times 100$

Name of the activity/scheme	**Organizing unit/ agency/ collaborating agency**	**Number of teachers participated in such activities**

10. Academic Support Units and Teaching-Learning-Evaluation Process

10.1. Academic Support Units for academic and stress related issues

10.1.1. Ratio of mentor to students for academic and stress related issues 1:5

10.1.2. Department level student grievance addressing system

Class warden- Head of the Department

10.2. Teaching-Learning Process

10.2.1. Tutorial classes to address student questions: Yes

10.2.2. Mentoring system To help at individual levels: Yes

10.2.3. Feedback analysis and reward/corrective measures taken, if any

Structured feedback received from:

1) Students, 2) Teachers, 3) Alumni for design and review of syllabus - Semester wise /year wise

10.2.4. Scope for self-learning

Do student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences? – details.

10.2.5. Generation of self-learning facilities, availability of materials for learning beyond syllabus.

Mr. Renji Varghese developed E-content on topics like Bacterial Motility and Gram Staining and broadcasted via Youtube.

10.2.6. Career Guidance, Training, Placement, and Entrepreneurship Cell

Describe the number of capability enhancement and development schemes

1. Guidance for competitive examinations
2. Career Counseling
3. Soft skill development
4. Induction/Remedial programmes
5. Language lab
6. Bridge courses
7. Personal Counseling

Name of the capability enhancement scheme	**Year of implementation**	**Number of students enrolled**	**Name of the agencies involved with contact details**

10.2.6.1. Indicate whether the department conducted tests at the beginning of each semester to identify weak/ potential students?:

10.2.6.2. Indicate how the department[118] took extra measures to identify, address and meet the special requirements of differently abled students.

10.2.6.3. Average percentage of students benefited by guidance for competitive examinations and career counseling offered by the department during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated by Career Counseling / competitive exams activities

10.2.6.4. Average percentage of students benefited by Vocational Education and Training (VET) during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated VET

10.2.7. Role of department in Co-curricular and Extra-curricular Activities of students.

The Department of Biotechnology has a tradition of maintaining students association and each year 2nd year Degree students will be the office bearers. The overall aim of student association meetings are to provide a platform to nurture student talents and for developing bonding between students of different classes and teachers through interactive activities. The students association hosts departmental fresher's meet, get togethers, and celebrate regional festivals like Onam and Christmas. The association periodically organized co-curricular programs like student's seminars, quizzes, debates , alumni talks and literary programs. Additionally , it conducts awareness drive among the student community during Nationally and Internationally Important days. The departmental association plays an important role in bringing up extracurricular talents of the inhouse students by organizing various cultural and art competitions to showcase competition and camaraderie. Dance, music, fashion show, literary debates, craft and lots of other events have been organized as part of it during the current years. Department takes special interest in promoting craft talents of students by organizing activities like paper crafts , paper bag making etc.

Even during pandemic days, students conducted several virtual meets and competitions to foster talents and bridge relationships.

The Department of Biotechnology encourages in house students to take part in both collegiate and intercollegiate fests, arts, co-curricular competitions. The students of the department have taken part in intercollegiate quizzes, presentations, dance competitions etc and won prizes. Students of the department also participated in group song, group dance, thiruvathira & mime during college art festival 2018-2019.

10.2.8. Role of department Games and Sports achievements of students

The department notified , motivated , encouraged and appreciated students showing interests towards games and sports.

10.2.9. Does the department have a system to check malpractices and plagiarism?

Nil

Provide upload the URL having code of ethics	**Whether Departments have been provided access to plagiarism detecting software (Yes/No)**	**Mechanism for detecting plagiarism**

11. Continuous improvements

11.1. Improvement in Success Index of Students

11.2. Improvement in Academic Performance Index of Students

11.3. Improvement in Student-Teacher Ratio

11.4. Enhancement of Faculty Qualification Index

11.5. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

11.6. Continuing Education

11.7. New Facility Created

(List the new facilities created with their anticipated impact on the teaching – learning process)

11.8. Overall Improvements since last accreditation, if any, otherwise, since the commencement of the programme

12. Events in Department

12.1. Seminars/Conferences/Workshops conducted(National and International)

12.1.1. Number of national seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years: Nil

Name of the seminar / workshop / symposium / conference	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants

12.1.2. Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 3 years: Nil

Name of the Summer school programme	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants

12.1.3. Number of awards for innovation won by department during the last 3 years: Nil

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award	Category-department / / research scholar/student

12.1.4. Academicians visited: Nil

Name and designation of the academician	Name of the Institute / University of the academician	Country to which the academician belong	Name of the programme attended by the academician	Type of the programme attended by the academician	Beneficiaries of the programme	Funding agency of the programme

12.2. MoU's and Tie-ups

12.2.1. Number of Collaborative activities for research, faculty exchange, student exchange during the last 3 years

Sl. No.	Title of the collaborative activity	Name of the collaboratin g agency with contact details	Name of the participant	Source of financial support	Duration	Nature of the activity
1	Neuroimmunologist	-FENS - ALBA Network	Dr. Vishnu Kannan	FENS	July 9 2021 onwards till date	Research interaction and participation in workshop

12.2.2. Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 3 years

Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage	Name of the participant
M.Sc. Dissert	*Rajiv Gandhi Centre for Biotechnology*	*2015*	*3 month*	*M.Sc. Dissertatio*	*Mouthika, Vishnu Raj*

ation			*s*	*n*	*B.S*
M.Sc. Dissertation	*JNTBGRI, Thiruvananthapuram*	*2018*	*1 month*	*M.Sc. Dissertation*	*Abdul Hafis*
M.Sc. Dissertation	*RCC, Thiruvananthapuram*	*2016*	*3months*	*M.Sc. Dissertation*	*Ann Joseph*
B.Sc. Dissertation	*Coconut Development Board, Cochin*	*2018*	*2 months*	*B.Sc. Dissertation*	*Arya Michel Vismaya Ann Jose Vismitha Ann Jose*
M.Sc. Dissertation	*CMFRI, Kochi*	*2017*	*3 months*	*M.Sc. Dissertation*	*Nessiyia M*
B.Sc. Dissertation	*Tropical Institute of Ecological Sciences, Manarcadu, Kottayam*	*2018*	*1 months*	*B.Sc. Dissertation*	*Noel Mathew Merin Reshma Leena Anu Thomas Sreejitha Radhakrishnan Hazeena K H Suryamol Ramzana*
M.Sc. Dissertation	*College of Indigenous Food Technology (CFT-K) Konni*	*2018*	*1 months*	*B.Sc. Dissertation*	*Shifana*
BSc Dissertation	*Kerala Forest Research Institute (KFRI), Peechi, Thrissur*	*2019 - 2020*	*1 month*	*BSc Dissertation*	*Arya sajeev Asifa Banu Parvathy Venugopal*
BSc Dissertation	*Kerala Forest Research Institute (KFRI), Peechi, Thrissur*	*2018 - 2019*	*1 month*	*BSc Dissertation*	*Riya Paul Shancy Abraham Sreeparvathy S Rameesabanu A M Greeshma k Shine*

12.2.3. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 3 years (only functional MoUs with ongoing activities to be considered)

Organization with which MoU is signed	**Name of the institution/ industry/ corporate house**	**Year of signing MoU**	**Duration**	**List the actual activities under each MoU year wise**	**Number of students/teachers participated under MoUs**
Hislop College, Nagpur	*Hislop School of Biotechnology*	*2015*	*10 Yrs*	*Research and academic collaboration*	*10*

12.3. Institutes, Scholarships, Endowments

12.3.1. Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government schemes) during the last 3 years

Formula:
Number of students benefited by

$$Percentage = \frac{by\ scholarships\ and\ freeships}{Total\ number\ of\ \ students} \times 100$$

Name of the scholarship/freeship	**Number of students benefited**

12.4. Fund generated by the department (minor projects, major projects, workshops, symposia, travel grant, scholarship, and if any other)

Type of fund generated	**Amount (Rs.)**	**Name of the Faculty that attracted the fund**
KSCSTE Financial assistance to organize Wetland Day celebration	20,000 118	Dr. Unnikrishnan N & Smt. Ashalakshmi

2019		C N
KSCSTE Financial assistance to organize National science Day celebration, 2019	10,000	Smt. Ashalakshmi C N

12.5. Total number of employability training programmes conducted by the department during the last 3 years and the total number of students attended the programme: Nil

Name of the employability training programme	**Year of implementation**	**Number of students enrolled**	**Name of the agencies involved with contact details**

12.6. Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes

Name of the teacher	**Name of the capacity enhancement scheme / training programme**	**Name of the institute attended**	**Duration of the scheme / programme**
Smt.Ashalakshmi C N	Online Faculty Development Programme Inter Disciplinary Refresher Course (Managing Online Classes & Co-creating MOOCs)	TLC Ramanujan College	Two Week 05/08/2021-19/08/2021
Smt. Ashlalshmi C N	Online Faculty Development Program on Meaningful Research And Intellectual Property Rights	TLC Ramanujan College	One week (18.10.21-24.10.21)
Dr. Jinu John	Online Faculty Development Programme Inter Disciplinary Refresher Course (Managing Online Classes & Co-	TLC Ramanujan College	Two Week 05/08/2021-19/08/2021

	creating MOOCs)		
	Entrepreneurship Skill Development. UGC- Faculty Development Programme	(UGC- STRIDE) at Mahatma Gandhi University	Nov. 23– 28, 2020
	UGC-STRIDE Training on Advanced Training in ICT-Enabled Online Teaching Tools	MG University.	12-16th Oct. 2020
	Faculty Development Program on E-content Development and MOOCs.	IQAC, CMS College, Kottayam	Jan. 2019
Prisho Mariam Paul	Online Faculty Development Programme Inter Disciplinary Refresher Course (Managing Online Classes & Co-creating MOOCs)	TLC Ramanujan College	Two Week 05/08/2021-19/08/2021
Dr Smitha S	Online Faculty Development Programme Inter Disciplinary Refresher Course (Managing Online Classes & Co-creating MOOCs)	TLC Ramanujan College	Two Week 05/08/2021-19/08/2021
Dr. Linu Kuruvilla	Online Faculty Development Programme: Inter Disciplinary Refresher Course (Managing Online Classes & Co-creating MOOCs)	TLC Ramanujan College	Two Week 05/08/2021-19/08/2021
Mr. Renji Varghese	Online Faculty Development Programme: Inter Disciplinary Refresher Course (Managing Online Classes & Co-creating MOOCs)	TLC Ramanujan College 118	Two Weeks 05/08/2021-19/08/2021
Mr. Renji Varghese	ARPIT 2019 Refresher Course	Savitribai Phule Pune University	**16 weeks (online)** (01/09/2019 to

	on Teacher and Teaching in Higher Education		31/12/2019)
Mr. Renji Varghese	ARPIT 2020 Refresher Course on Leadership And Governance In Higher Education. Level 2	Savitribai Phule Pune University	**16 weeks (online)** (01/12/2020 to 31/03/2021)
Dr. Vishnu Kannan	Online Faculty Development Programme Inter Disciplinary Refresher Course (Managing Online Classes & Co-creating MOOCs)	TLC Ramanujan College	Two week duration

12.7. Details of extension activities of regular nature organized by the department *

: nil

Name of the extension activity	**Nature of extension activity**	**Duration**	**Involvement of Percentage of students in the department**

*Related to the area of knowledge of the department

12.8. Details of activities organized by the department to promote universal values*

Name of the activity	**Within the campus/ outreach**	**Duration**	**Involvement of Percentage of students in the department**
United Nations International Day for the preservation of Ozone -	Within the campus	One day (18th September 2018)	90%

Awareness initiative on global environmental crisis.			
Wetland day celebration-2019- To generate awareness on conservation of critical habitats	Within the campus	One day (7th February 2019)	90%
Training on small product making (paper craft, paper carry bag making,jewellery making vegetable printing etc.) - imparting value added skills	Within campus	During December 2018-February 2019	60%
Training on paper bag & cloth bag making & sale - value added skills	Within campus	January-February 2020	40%
Environment day celebration - awareness program	Within campus	June 5th-2021	90%

12.9. Total number of cultural activities/ competitions organized by the department during the last 3 years

Sl. No.	Name of the activity	Interdepartmental / intercollegiate	Total number of students involved
1	Fusion dance show " Nachle"-entertainment program	Interdepartmental program	35
2	Christmas crafts sale - December 2018	Craft exhibition	40
3	Online Photo contest & poster designing competition conducted as part of the KSCSTE-Wetland Day celebration 2019	Interdepartmental competition	62
4	Onam festival 2019	Cultural programs	
5	Quiz, Collage making and a science spelling bee competitedas part of the KSCSTE sponsored National Science Day celebration 2019.	Interdepartmental competition	55
6	Dance show- "Lehar"	Cultural program	30
7	Biotech students' association inauguration-26th September, 2020	Virtual meet & Cultural programs	95
8	Unlock happiness - May9th-15th	Intradepartmental competitions by Biotech association	65
9	Green genre- virtual show as part of Envt.Day celebration 2021	Cultural & literary program	80
10	Onam celebration - August 19, 2021	Virtual meet & cultural programs	80

12.10. Alumni contribution during the last 3 years (Amount in Rupees): Nil

Name of the alumnus/ alumni association	AADHAR / PAN	Year of graduation	Year of contribution	Quantum of contribution (Rs.)

13. SWOT Analysis

13.1. Identify Strength, Weakness, Opportunities and Threats of the Department

Strengths:

- *Essential laboratory facilities to meet curriculum requirements and*

research ● *Experienced & qualified teaching faculty members* ● *Committed teaching faculty members* ● *Teamwork of faculty & staff members* ● *Strong support of the management in infrastructure development and quality improvement*
Weaknesses: ● *Constraints in attracting financial assistance from national bodies like UGC, DST as being an unaided department* ● *Insufficient laboratory space and inadequate class room with multimedia facility*
Opportunities: ● *Interdisciplinary opportunities in academics and R&D*
Threats: ● *Financial constraints* ● *Uncertainty in the job security of faculty members* ● *Work-life balance*

13.2. Good practices, if any

DSAR SCORE CARD BIOTECHNOLOGY

CMS College Kottayam
Department Accreditation Score Card
Department of Biotechnology

Quantitative Matrices:

22. Programme curriculum

Metric No.			Weight	Cumulative Weight (Scored)	cumulative weight (Maximum)
7.5.1	Percentage of programs where syllabus revision was carried out during the last five years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses revised}}{\text{Total number of courses in the programme}} \times 100$ UG: 13. 2018-19 14. 2019-20 15. 2020-21 PG: 7. 2018-19 8. 2019-20 9. 2020-21	

	$\frac{\text{Number of courses offered with above focus}}{\text{Total number of courses in the programme}} \times 100$ UG: 19. 2018-19 20. 2019-20 21. 2020-21 PG: 19. 2018-19 20. 2019-20 21. 2020-21	$(3/62) \times 100 = 4.8$ $(3/62) \times 100 = 4.8$ $(3/62) \times 100 = 4.8$ $(4/23) \times 100 = 17.3$ $(4/23) \times 100 = 17.3$ $(4/23) \times 100 = 17.3$	4 4 4 4 4 4		10
	Average weight scored ***Documentary evidences:*** *10. List of courses with the above focus* *11. Copy of approved curriculum* *12. Minutes of the Board of Studies (2016 onwards)*		24	$(24/6) = 4$	10
7.9	New courses introduced: Add-on,/extra credit, Certificate/Diploma etc.for the period 2014-17: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of new courses introduced}}{\text{Total number of courses}} \times 100$ UG: 22. 2018-19 23. 2019-20 24. 2020-21 PG: 22. 2018-19 23. 2019-20 24. 2020-21	$(0/62) \times 100 = 0$ $(0/62) \times 100 = 0$ $(0/62) \times 100 = 0$ $(0/23) \times 100 = 0$ $(0/23) \times 100 = 0$ $(0/23) \times 100 = 0$	0 0 0 0 0 0		10
	Average weight scored ***Documentary evidences:*** *7. Copy of approved curriculum* *8. Minutes of the Board of Studies (2016 onwards)* 118		0	$(0/6) = 0$	10
7.11	Average percentage of students enrolled in those courses during the years: Weightage distribution: 75% - 100% : 20 wt				

	50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students enrolled in the course}}{\text{Total number of students in the dept}} \times 100$ UG: 25. 2018-19 26. 2019-20 27. 2020-21 PG: 25. 2018-19 26. 2019-20 27. 2020-21	$(0/0) \times 100 = 0.0$ $(0/0) \times 10 = 0.0$ $(0/102) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$ $(0/14) \times 100 = 0.0$	0 0 0 0 0 0		20
	Average weight scored ***Documentary evidences:*** *13. Brochure* *14. Copy of approved curriculum* *15. Minutes of the Board of Studies (2016 onwards)* *16. MoU, if any*		$(0/10) = 0$	0	20
7.12	Average percentage of courses (theory/practical) offered as part of the UG/PG programme having focus on employability / entrepreneurship / skill development: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses with above focus}}{\text{Total number of courses in the programme}} \times 100$ UG: 7. 2018-19 8. 2019-20 9. 2020-21 PG: 7. 2018-19 8. 2019-20 9. 2020-21	$(11/62) \times 100 = 17.7$ $(11/62) \times 100 = 17.7$ $(11/62) \times 100 = 17.7$ $(9/23) \times 100 = 39.1$ $(9/23) \times 100 = 39.1$	5 5 5 10 10 10		20

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		$(9/23) \times 100 = 39.1$			
	Average weight scored ***Documentary evidences:*** *10. Copy of approved curriculum* *11. Minutes of the Board of Studies (2016 onwards)* *12. MoUs with relevant organizations*		45	$(45/6) = 7.5$	20
7.13	Percentage of students undertaking field projects/internships during the years: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\%\ \text{of students} = \frac{\text{Number of students undertaking field projects or internships}}{\text{Total number of students}} \times 100$ UG: 7. 2018-19 8. 2019-20 9. 2020-21 PG: 13. 2018-19 14. 2019-20 15. 2020-21	$(0/0) \times 100 = 0.0$ $(0/0) \times 10 = 0.0$ $(0/102) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$ $(0/14) \times 100 = 0.0$	0 0 0 0 0 0		10
	Average weight scored ***Documentary evidences:*** *10. MoUs with relevant organizations* *11. Copy of student internship certificates/ reports* *12. Correspondence with relevant organizations*		0	$(0/6) = 0$	10
		Total	-	21.5	**90**

23. Result and Student Performance -

Metric. No.	118		Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
8.1	Success Rate of courses in UG and PG programmes Weightage distribution:				70

	90% - 100% : 70 wt 80% - 89% : 63 wt 70% - 79% : 56 wt 60% - 69% : 49 wt 50% - 59% : 42 wt 40% - 49% : 35 wt 30% - 39% : 28 wt 20% - 29% : 21 wt 10% - 19% : 14 wt 1% - 9% : 7 wt <1% : 0 wt $\frac{\text{No. of students who passed the course examination in a year}}{\text{No. of students appeared for the course examination in a year}} \times 100$ **2018-21:** **UG Programme (Courses offered)**				
	105. B.Sc Botany and Biotechnology– First Sem	$(19/35) \times 100 = 61$	49		
	106. B.Sc Botany and Biotechnology –second Sem	$(15/30) \times 100 = 50$	42 56		
	107. B.Sc Botany and Biotechnology –third Sem	$(22/29) \times 100 = 75$	63		
	108. B.Sc Botany and Biotechnology –fourth Sem	$(24/29) \times 100 = 82$	70 70		
	109. B.Sc Botany and Biotechnology –fifth Sem	$(27/29) \times 100 = 93$	63 70		
	110. B.Sc Botany and Biotechnology –sixth Sem	$(27/29) \times 100 = 93$	70		
	111. B.Sc Botany and Biotechnology –second Sem	$(26/32) \times 100 = 81$	63 63		
	112. B.Sc Botany and Biotechnology –third Sem	$(30/32) \times 100 = 93$	70		
	113. B.Sc Botany and Biotechnology –fourth Sem	$(31/32) \times 100 = 96$	63 63		
	114. B.Sc Botany and Biotechnology –fifth Sem	$(27/31) \times 100 = 87$			
	115. B.Sc Botany and Biotechnology –sixth Sem				
	116. B.Sc Botany and Biotechnology –fourth Sem				
	117. B.Sc Botany and Biotechnology –fifth Sem				
	118. B.Sc Botany and Biotechnology –sixth Sem				
	PG Programme (Courses offered)				
	8. M.Sc Biotechnology- First SEM [118]	$(27/31) \times 100 = 87$	70		
	9. M.Sc Biotechnology- second SEM		70		
	10. M.Sc Biotechnology- third SEM	$(35/37) \times 100 = 94$			
	11. M.Sc Biotechnology- Fourth SEM		70		

	12. M.Sc Biotechnology- First SEM 13. M.Sc Biotechnology- second SEM 14. M.Sc Biotechnology- third SEM	$(31/37) \times 100 = 83$ $(32/37) \times 100 = 86$ $(6/6) \times 100 = 100$ $(6/6) \times 100 = 100$ $(6/6) \times 100 = 100$ $(6/6) \times 100 = 100$ $(20/20) \times 100 = 100$ $(20/20) \times 100 = 100$ $(20/20) \times 100 = 100$	70 70 70 70		
	Average weight scored ***Documentary evidences:*** *4. Semester wise result records from COE*		$(\frac{1365}{21})$ = 65	65	70
8.2	Percentage of students qualifying state/ national/ international level examinations for the last 5 years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/ State government examinations/ other examination) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt 118 $\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students appeared for the exam}} \times 100$ UG:		0 0		20

	16. 2018-19 17. 2019-20 18. 2020-21 PG: 7. 2018-19 8. 2019-20 9. 2020-21	$(0/0) \times 100 = 0.0$ $(0/0) \times 10 = 0.0$ $(0/102) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$ $(0/14) \times 100 = 0.0$	0 0 0 0		
	Average weight scored ***Documentary evidences:*** *4. Year wise list of students qualifying each examination*		0	$(0/6) = 0$	20
8.3.1 & 8.3.3	Average % of placement of outgoing students during last 3 years (Weightage distribution: 75% - 100% : 40 wt 50% - 74% : 30 wt 25% - 49% : 20 wt 1% - 24% : 10 wt $\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$ **UG:** 13. 2018-19 outgoing batch (till now) 14. 2019-20 outgoing batch (till now) 15. 2020-21 outgoing batch (till now) **PG:** 7. 2018-19 outgoing batch (till now) 8. 2019-20 outgoing batch (till now) 9. 2020-21 outgoing batch (till now)	$(0/0) \times 100 = 0.0$ $(0/0) \times 10 = 0.0$ $(1/102) \times 100 = 0.9$ $(0/0) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$ $(1/14) \times 100 = 7.14$	0 0 0 0 0 10		40
	Average weight scored ***Documentary evidences:*** *Annual Report of Placement Cell*		10	$(10/6) = 1.6$	40
8.3.2 & 8.3.4	% of outgoing student progression to higher studies during last 5 years Weightage distribution: 75% - 100% : 30 wt 50% - 74% : 20 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of outgoing students progressing to higher education}}{\text{Total number of final year students in the programme}} \times 100$		0 0		

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	UG: 7. 2018-19 outgoing batch (till now) 8. 2019-20 outgoing batch (till now) 9. 2020-21 outgoing batch (till now) **PG:** 7. 2018-19 outgoing batch (till now) 8. 2019-20 outgoing batch (till now) 9. 2020-21 outgoing batch (till now)	$(0/0) \times 100 = 0.0$ $(0/0) \times 10 = 0.0$ $(3/102) \times 100 = 2.9$ $(0/0) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$ $(0/14) \times 100 = 0.0$	5 0 0 0		
	Average weight scored ***Documentary evidences:*** *Alumni data base (batch wise file of data containing student name, programme, year of study, contact details with email and phone number, present status (employment/higher studies).*		5	$(5/6) = 0.83$	30
8.4.1	Number of students participated in sports at state/national/ international level during the last 3 years 10. International : 10 wt per student 11. National: 5 wt per student *12.* State : 3 wt per student	10 ×0 =0 5 ×0=0 3 ×0= 0	0		20
	Documentary evidences: *Participation certificates*		0	0	20
8.4.2	Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years 7. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 8. Intramural (1^{st} and 2^{nd} prices) : 5 wt per student	$10 \times 0 = 0$ $5 \times 0 = 0$	0		20
	Documentary evidences: *Award certificates*		0	0	20
8.4.3	Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 5 years 10. International : 10 wt per student 11. National : 5 wt per student 12. State : 3 wt per student	10 ×0 = 0 5 ×0= 0 3 ×0=0	0		20
	Documentary evidences: *Participation certificates*		0	0	20
8.4.4	Number of awards/ medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5				

	years 7. Intercollegiate (1st and 2nd prices) : 10 wt per student 8. Intramural 1st and 2nd prices) : 5 wt per student	$10 \times 0 = 0$ $5 \times 0 = 0$	0		20
	Documentary evidences: *Award certificates*		0	0	20
8.4.5	Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$ 7. 2018-19 8. 2019-20 9. 2020-21	$(0/0) \times 100 = 0$ $(2/118) \times 100 = 1.6$ $(0/118) \times 100 = 0$	0 5 0		20
	Average weight scored ***Documentary evidences:*** *4. Letter from the agency/Any other documents relating to the activity*		5	$(5/3) = 1.6$	20
8.4.6	Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 5 years Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$ 7. 2018-19 8. 2019-20 9. 2020-21 118	$(8/118) \times 100 = 6.7$ $(8/118) \times 100 = 6.7$ $(8/118) \times 100 = 6.7$	4 4 4		10

<table>
<tr><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td>Average weight scored

Documentary evidences:
4. List from the concerned teacher in charge (programme officer, NCC Officer, etc.)</td><td></td><td>12</td><td>(12/3) = 4</td><td>10</td></tr>
<tr><td>8.4.7</td><td>Total number of academic events organized with professional societies/ chapters
Example:
<table><tr><th>Name of the student</th><th>Name of society/chapter</th><th>Academic event organized</th></tr><tr><td>XX</td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>
2 wt per event</td><td>0 × 2 = 2</td><td>0</td><td></td><td>10</td></tr>
<tr><td></td><td>Average weight scored

Documentary evidences:
10. Brochures of the events
11. Photographs of the events
12. Reports of the events</td><td></td><td>0</td><td>0</td><td>10</td></tr>
<tr><td>8.4.8</td><td>(a) Organization of paper contests/design contests/ exhibition, etc. during the last 5 years by department organization
2 wt per one event –Maximum wt 10.</td><td>1× 2 = 2</td><td>2</td><td></td><td></td></tr>
<tr><td></td><td>Average weight scored

Documentary evidences:
7. Brochures
8. Photographs</td><td></td><td>2</td><td>2</td><td>10</td></tr>
<tr><td>8.4.9</td><td>Total number of UG/PG/PhD student publications in UGC approved research journals
5 wt per publication (Maximum 20 wt)
7. 2018-19
8. 2019-20
9. 2020-21</td><td>5×0 = 0
5×0 = 0
5×0 = 0</td><td>0
0
0</td><td></td><td>20</td></tr>
<tr><td></td><td>Average weight scored

Documentary evidences:
Copies of publications</td><td></td><td>0</td><td>(0/3) = 0</td><td>20</td></tr>
</table>

8.4.10	(a) Total number of entrepreneurship initiatives during the last 3 years 5 wt per initiative 7. 2018-19 8. 2019-20 9. 2020-21	$0\times5 = 0$ $0\times5 = 0$ $0\times5 = 0$			20
	Weight scored ***Documentary Evidences:*** *Report and photographs of each initiatives*	0	0/3 =0	0	20
	(d) Total number of product designs and innovations 5 wt per product or innovation 7. 2018-19 8. 2019-20 9. 2020-21	0 0 0		15	30
	Weight scored ***Documentary Evidences:*** *Project report with working model*	0	0/3 = 0	0	30
8.4.11	Average number of awards in inter – institute events/ intercollegiate fest/exhibition/ paper contests/design contests, etc. for students (1^{st}, 2^{nd}, 3^{rd} prices) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of students achieved in such contests}}{\text{Total number of students in the dept}} \times 100$ 7. 2018-19 8. 2019-20 9. 2020-21	$(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(3/118) \times 100$ $= 2.54$	0 0 4		10
	Average weight scored ***Documentary evidences:*** *Certificates of achievement*		4	$(4/3)$ $= 1.33$	10.0
		Total		91.33	370

24. Faculty contributions

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
9.3.1	(a) Percentage of full time teachers with Ph.D. Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{No. of teachers in the department awarded Ph. D.}}{\text{Total No. of teachers in the department}} \times 100$	$(5/8) \times 100 = 62.5$	15		20
	Average weight scored ***Documentary evidences:*** *4. Copy of Ph.D. certificate*		15	15	20
	(b) Percentage of full time teachers registered for Ph.D. after appointment (during the last 3 years) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{No. of teachers in the department registered for Ph. D.}}{\text{Total No. of teachers in the department having no Ph. D.}} \times 100$ 118	$(1/8) \times 100 = 12.5$	4	4	10
	Average weight scored		4	4	10

	Documentary evidences: *4. Copy of registration certificate (valid for five years from the date of registration)*				
9.3.2.	Number of teachers awarded university/state/national/international fellowship (post-doctoral) for advancedstudies/research during the last 3 years International: 8 wt National : 6 wt State : 4 wt University : 2 wt 1. 2018-19 2. 2019-20 3. 2020-21	1×0 = 0 1×6 = 6 0×0 = 0 0×0 = 0	6		20
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		6	6	20.0
9.3.3	Percentage of teachers recognized as research guides Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers with Ph. D.}} \times 100$	$(0/8) \times 100 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order*		0	0	20
9.6	Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years Weightage distribution: 10. 3 Ph.D.s awarded per teacher : 20 wt 11. 2 Ph.D.s awarded per teacher : 15 wt 12. 1 Ph.D. awarded per teacher : 10 wt $\frac{\text{Total number of Ph. D. degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$	$(0/0) = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order of award of Ph.D. degree*		0	0	20
9.7	Average percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, virtual lab etc.				

	Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$	$(8/8) \times 100 = 100$	10		10
	Average weight scored ***Documentary evidences:*** *7. List of teachers* *8. ICT resources prepared by each teacher in CD format/uploaded in the College website*		10	10	10
9.8	Faculty as participants/ resource persons in faculty professional development/ training Activities/ seminars/ workshops/ symposia/ conferences (national & international) International: 10. No. of faculties >10 : 10 wt 11. No. of faculties 5-10 : 5 wt 12. No. of faculties 1-5 : 2 wt National: 10. No. of faculties >10 : 5 wt 11. No. of faculties 5-10 : 3 wt 12. No. of faculties 1-5 : 1 wt	25 19	10 5		10
	Average weight scored ***Documentary evidences:*** *7. List of teachers* *8. Certificates of participation*		15	10	10.0
9.10.1	Number of research papers per teacher in the Journals notified on UGC website during the last 3 years Weightage distribution: 13. > 5 papers per teacher : 20 wt 14. 3-4 papers per teacher : 15 wt 15. 2 papers per teacher : 10 wt 16. 1 paper per teacher : 5 wt $\frac{\text{Total number of publications in the last 3 years}}{\text{Total number of teachers who published}}$	$(4/3) = 1.3$	5		20
	Average weight scored ***Documentary evidences:*** *Copy of the papers*		5	5	20
9.10.2	Number of books and chapters in edited volumes / books published (ISSN), and papers in national/international conference-proceedings (ISSN) per teacher during the last 5 years Weightage distribution: 10. 20 wt per book	$20 \times 0 = 0$	0		

	11. 10 wt per book chapter 12. 4 wt per papers in national/ international conference - proceedings	10 × 0 = 0 4 × 1 = 4	0 4		20
	Average weight scored ***Documentary evidences:*** *Copy of the books and chapters in edited volumes / books published, and papers in national/international conference-proceedings*		4	4	20
9.10.3	Sum of the bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index Weightage distribution: 16. Citation index >10: 30 wt 17. Citation index 7.0-9.9 : 20 wt 18. Citation index 4.0-6.9 : 10 wt 19. Citation index 1.0-3.9 : 5 wt 20. Citation index 0.1-1 : 2 wt	0	0		30
	Average weight scored ***Documentary evidences:*** *Proof of citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index*		0	0	30
9.11.1	Number of Patents published/awarded Weightage distribution: 10 wt per patent	1× 10 = 0	10		20
	Average weight scored ***Documentary evidences:*** *Copy of patent published/awarded*		10	10	20
9.12.1 & 9.12.3	Major Research projects sponsored by government sourcessuch as UGC, DST, DBT, KSCSTE, etc. and non-government sources such as industry, corporate houses, international bodies, endowments etc. (completed) Weightage distribution: 10 wt per MRP completed.	10 ×1 = 10	10		20
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		10	10	20
9.12.2	Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees) (Completed) Weightage distribution: 5 wt per project completed 118	5 × 0 = 0	0		15
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	15

9.12.4	Revenue generated from Consultancy Weightage distribution: 5 wt per consultancy	5 × 0 = 0	0		15
	Average weight scored ***Documentary evidences:*** *7. Copy of MoU* *8. Copy of bank account statements*		0	0	15
9.12.5	Revenue generated from corporate training by the department during the previous year Weightage distribution: 5 wt per training programme	5 × 0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of bank account statements*		0	0	10
9.13	Number of awards for innovation won by teachers Weightage distribution: 5 wt per award	5 × 0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	10
9.14	Faculty interaction with International Collaborations Weightage distribution: 10 wt per collaboration	10 × 0= 0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of MoU*		0	0	20
9.15.1	Membership in academic bodies in Universities / other colleges Weightage distribution: 5 wt per membership	5 ×5= 25	25		10
	Average weight scored ***Documentary evidences:*** *Copy of membership approval letter/email/order*		25	10	10
9.16	Reviewer/Editors of International and national journals/Books (ISSN) Weightage distribution: International: 7. 5 wt per editorship 8. 2 wt per reviewership 118 National: 7. 3 wt per editorship 8. 1 wt per reviewership	5 × 4 = 20 2 ×2 = 4 0× 0 = 0 0× 0 = 0	20 4 0 0		10

	Average weight scored ***Documentary evidences:*** *Copy of invitation letter/email/order from the journal to become reviewer/editor*		24	10	10
9.17	Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 5 years Average hours spent by each faculty: $\left(\frac{\text{Total hours spent by all the faculties in an year}}{\text{Total number of faculties}}\right)$ 19. Greater than 200 hrs : 20 wt 20. 100 to 200 hrs : 15 wt 21. 50 to 100 hrs : 10 wt 22. 10 to 50 hrs : 5 wt 23. 1 to 10 hrs : 2 wt 24. 0 hrs : 0 wt	2150/6	20		20
	Average weight scored ***Documentary evidences:*** *7. List of faculties involved* *8. Copy of relevant certificates/orders/other documents duly signed by the Principal*		20	20	20
9.18	Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$	$(0/11) \times 100 = 0$	0		10
	Average weight scored ***Documentary evidences:*** *Copy of relevant certificates/orders/other documents duly signed by the Principal*		0	0	10
		Total		118	340

25. Academic Support Units and Teaching-Learning-Evaluation Process

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
10.1.1.	Ratio of mentor to students for academic and stress related issues (Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of mentors}}{\text{Total number of teachers in the department}} \times 100$	$(8/8) \times 100 = 100$	20		20
	Average weight scored ***Documentary evidences:*** *7. List of students under each mentor* 8. *Documentary evidences on mentor:mentee interactions*		20	20	20
10.1.2	Indicate whether the department has an effective student grievance addressing system or not. 7. Yes – 10 wt 8. No – 0 wt	Yes	10		10
	Average weight scored ***Documentary evidences:*** *7. List of students registered complaints* *8. Copies of action taken reports*		10	10	10
10.2.1	Tutorial classes to address student questions Average no. of tutorial classes conducted per teacher in an year: 16. 16 – 20 classes : 10 wt 17. 11 – 15 classes : 8 wt 18. 6 – 10 classes : 6 wt 19. 3 – 5 classes : 4 wt 20. 1 – 2 classes : 2 wt $\frac{\text{Total number of tutorial classes conducted}}{\text{Total number of teachers conducted tutorial classes}}$	0	0		10
	Average weight scored 118 ***Documentary evidences:*** *4. Attendance register of students*		0	0	10
10.2.6	Describe the number of capability				

	enhancement and development programmes Weightage distribution: 2 wt per programme	$2 \times 7 = 14$	14		10
	Average weight scored ***Documentary evidences:*** *7. Brochures of the programmes* *8. Attendance register of students*		14	10	10
10.2.6.3	Average percentage of students participated for competitive examinations and career counseling offered by the department/college during the last 3 years (e.g. feel employable programme) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(0/379) \times 1 = 0.0$ $(0/379) \times 1 = 0.0$ $(0/379) \times 1 = 0.0$	0 0 0		20
	Average weight scored ***Documentary evidences:*** *7. Brochures of the programmes* *8. Attendance register of students*		(0/3) = 0	0	20
10.2.9	Does the department have a system to check malpractices and plagiarism 7. Yes – 10 wt 8. No – 0 wt	No	0		10
	Average weight scored ***Documentary evidences:*** *7. Web-link of the plagiarism detection software* *8. Action taken report*		0	0	10
		Total		40	80

12.Events in Departments

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
12.1.1	Average number of national/international seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years Weightage distribution: International: 7. 2 – 4 programmes: 20 wt 8. 1 – 2 programmes: 10 wt National: 7. 2 – 4 programmes: 10 wt 8. 1 – 2 programmes: 5 wt 1. 2018-19 2. 2019-20 3. 2020-21	 0 0 0	 0 0 0		20
	Average weight scored ***Documentary evidences:*** *13. Brochure of the programme* *14. Photos of the programmes* *15. Reports of the programme* *16. Copy of publication of proceedings*		0	0/3 = 0	20
12.1.2	Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 3 years Weightage distribution: 10 wt per summer school programme	$10 \times 0 = 0$			10
	Average weight scored 118 ***Documentary evidences:*** *10. Brochure of the programme* *11. Photos of the programme* *12. Reports of the programme*		0	0	10

12.1.3	Average number of awards for innovation won by department during the last 3 years Weightage distribution: 5 wt per award	$5 \times 0 = 0$			10
	Average weight scored ***Documentary evidences:*** *Copy of award certificate*		0	0	10
12.1.4	Average number of academicians visited for talks or lectures Weightage distribution: 2 wt per programme	$2 \times 0 = 0$			10
	Average weight scored ***Documentary evidences:*** *10. Brochure of the programme* *11. Photos of the programme* *12. Reports of the programme*		0	0	10
12.2.1	Number of Collaborative activities for research, faculty exchange,student exchange during the last 5 years (other than faculty collaborations) Weightage distribution: 10 wt per collaboration	$10 \times 0 = 0$			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such programmes*		0	0	20
12.2.2	Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 3 years Weightage distribution: 5 wt per MoU	$5 \times 7 = 35$			10
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such linkage programmes*		35	10	10
12.2.3	Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 5 years (only functional MoUs with ongoing activities to be considered Weightage distribution: 5 wt per MoU 118	$5 \times 1 = 5$			20
	Average weight scored ***Documentary evidences:***		5	5	20

	Copy of MoU's				
12.3.1	Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government, department scholarships) during the last 3 years (Weightage distribution: 30% - 40% : 20 wt 20% - 29% : 15 wt 10% - 19% : 10 wt 1% - 9% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(0/0) \times 100 = 0.0$ $(0/0) \times 100 = 0.0$ $(0/118) \times 100 = 0.0$	0 0 0		20
	Average weight scored ***Documentary evidences:*** *Agreement of the Scheme with the Stakeholders*		$(0/3) = 0$	0	20
12.4	Fund generated by the department (e.g. SARD scheme of KSCSTE) Weightage distribution: 10 wt per project	$10 \times 2 = 20$			20
	Average weight scored ***Documentary evidences:*** *10. Sanction/concurrence letters/orders* *11. Bank account statements* *12. Cash Register*		20	20	20
12.5	Total number of employability training programmes conducted by the department during the last 5 years and the total number of students attended the programme Weightage distribution: 5 wt per programme	$5 \times 0 = 0$			10
	Average weight scored ***Documentary evidences:*** *7. Brochures* *8. List of students programmewise*		0	0	10
12.6	Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes 118 Weightage distribution: 2 wt per programme	$2 \times 6 = 12$			10
	Average weight scored		12	10	10

	Documentary evidences: *Copy of participation certificates*				
12.7	Details of extension activities of regular nature organized by the department in adopted villages Weightage distribution: 5 wt per programme	5 × 0 = 0			20
	Average weight scored ***Documentary evidences:*** *10. Brochures of the programme* *11. Photos of the programme* *12. Reports of the programme*		0	0	20
12.8	Details of activities organized by the department to promote universal values Weightage distribution: 2 wt per programme	2 ×5 = 10			10
	Average weight scored ***Documentary evidences:*** *10. Brochures of the programme* *11. Photos of the programme* *12. Reports of the programme*		10	10	10
12.9	Total number of cultural activities/ competitions organized by the department during the last 3 years Weightage distribution: 2 wt per activity	2 × 10 = 20			10
	Average weight scored ***Documentary evidences:*** *10. Brochures of the programme* *11. Photos of the programme* *12. Reports of the programme*		20	10	10
12.10	Alumni contribution during the last 5 years (Amount in Rupees) Amount: 22. > 5 Lakhs : 20 wt 23. 1-5 Lakhs : 10 wt 24. 0.5 – <1 Lakh : 5 wt 25. < 0.5 Lakhs : 1 wt	Rs. 0.00	0	0	30
	Average weight scored ***Documentary evidences:*** *10. Copy of cheques, DD's etc. obtained from Alumni* *11. Bank account statements* *12. Cash register*		0	0	30
		Total		65	230

Feedback

10.2.3	Feedback received from:				

	1) Students – 3 wt 2) Teachers – 3 wt 3) Employers – 3 wt 4) Alumni – 3 wt 5) Parents – 3 wt for design and review of syllabus - Semester wise /year wise.	3 3 0 3 0	9		15
	Average weight scored ***Documentary evidences:*** *7. Feedback reports* *8. List of corrective measures taken*		9	9	15
		Total		9	15

Qualitative Matrices:

Part – C

26. Vision, Mission and Programme Outcomes

27. Programme Specific Outcomes with global relevance for developmental needs

28. Programme Curriculum

28.1. Curriculum

28.2..... Components of Curriculum and their relevance to PSOs and POs

28.3. Core subjects and their relevance to Program outcomes

28.4. Course Syllabus

28.5..... Measures and processes used to identify the curricular gaps to the attainment of the COs/PSOswith global relevance for developmental needs.

28.6..... Vertical mobility of programmes

28.7. content beyond syllabus imparted for the attainment of the COs/PSOs

9. Faculty Contributions

9.4. Faculty competencies in correlation to Programme Specific Criteria

9.5. Academic Calendar and Teaching plans

26. Continuous improvements

11.22. Improvement in Success Index of Students

11.23. Improvement in Academic Performance Index of Students

11.24. Improvement in Student-Teacher Ratio

11.25. Enhancement of Faculty Qualification Index

11.26. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

11.27. Continuing Education

11.28. New Facility Created

13. SWOT analysis

14. Student Perception

15. Any other relevant points included by the peer team

Score Calculation:
Maximum total weight of Qn. Matrices = 1125 (75% of the maximum total weight)
Maximum total weight of Ql. Matrices = 375 (25% of the maximum total weight)
Maximum total weight = 1125 + 375 = 1500
Maximum $\mathrm{CGPA} = 4.0$
Scored weight of Qn. Matrices = 344.8
Scored weight of Qn. Matrices = xxx
Scored total weight = Scored weight of Qn. Matrices + Scored weight of Qn. Matrices
= 344.8+ xxx
= yyy

$$\text{Obtained CGPA} = \left(\frac{\text{yyy}}{1500}\right) \times 4$$
$$= \left(\frac{\text{yyy}}{1500}\right) \times 4$$
$$\text{Obtained CGPA} = \text{zzz}$$

Range of Departmental Cumulative Grade Point Average (CGPA)	Grade
3.51 – 4.00	A++
3.26 – 3.50	A+
3.01 – 3.25	A
2.76 – 3.00	B++
2.51 – 2.75	B+
2.01 – 2.50	B
1.51 – 2.00	C
≤ 1.50	D

CMS COLLEGE (AUTONOMOUS) KOTTAYAM

DEPARTMENT SELF – ASSESSMENT REPORT (DSAR) MANUAL

DEPARTMENT OF COMPUTER SCIENCE

October 2021

DEPARTMENTSELF – ASSESSMENTREPORT (DSAR) MANUAL

The Department Self Assessment Report (DSAR) is intended to shed light into the current status of the department in terms of its Strength, Weakness, Opportunities and Threats. As such, the department is expected to provide accurate data and observations that reflect the true and real status of the department. The data that will be collected from the department would fall into three parts.

- **Part A** : Basic data of the department (will not be used for assessment)
- **Part B** : Data about infrastructure, governance, financial status (will not be used for assessment)
- **Part C** :Data collected in this part will be used for assessment and accreditation.

The department should provide data for the academic years 2018-19, 2019-20, 2020-21 (past 3 years) separately under each relevant question and for each UG and PG programmes offered.

The department need not supply the supporting documents while submitting the DSAR, but should keep them in original for peer team assessment. After the assessment, softcopies/scanned copies of supporting documentsmust be sent to dsar@cmscollege.ac.in within a week of assessment.

For queries, please e-mail to dsar@cmscollege.ac.in.

PART A

55. Departmental Information

55.1. ..... Name and address of the department

Department of Computer Science, CMS College (Autonomous), Kottayam

55.2. ..... Name, designation, telephone number, and e-mail address of the head/contact person.

Delsey M J (HoD in Charge)

Assistant Professor

9789785301

delsey@cmscollege.ac.in

55.3. ..... History of the department including dates of introduction and number of seats ofvarious programmes of study.

Department of Computer Science was established in the year 2014with BCA programme consisting of maximum of 32 seats.

In the year 2014, 18 students were admitted for the programme.
In the year 2015, 31 students were admitted for the programme.
In the year 2016, 32 students were admitted for the programme.

In the year 2017, 31 students were admitted for the programme.
In the year 2018, 33 students were admitted for the programme.
In the year 2019.32 students were admitted for the programme
In the year 2020, 44 students were admitted for the programme
In the year 2021, 53 students were admitted for the programme

(Instruction: History of the institution and its chronological development along with the records of past accreditation need to be listed here.)

55.4. ..... Mission and Vision of the department:

(Instruction: The department is required to specify its Mission and Vision).

Vision

To be an outstanding department that provides a transformative value based education, to create software professionals, entrepreneurs and innovators, serving as valuable resource for industry and society.

Mission

1. Provide learning ambience to generate innovative and problem solving skills with professionalism.
2. Create facilities and expertise in advanced computer technology thereby promote research.
3. Enhance Industry Institute Interaction programme to get acquainted with corporate culture.
4. Induce ethical values and spirit of social commitment.

55.5. ..... List of the programmes/ departments which share human resources and/or the facilities of this department/ programme (in %).Nil

(Instruction: Institutes needs to mention the different programs which share the human resources and facilities with the department/ programme being accredited.)

55.6. ..... Total number of students:127

55.7. ..... Total number from other states and countries:0

55.8. ..... Total number of differently abled students: 0

55.9. .....118**.....** Minimum and maximum number of staff on roll in college, during the current and five previous academic years in the department:

Academic Year	Minimum	Maximum
2016-17	**4**	**5**
2017-18	**4**	**5**
2018-19	**4**	**5**
2019-20	**5**	**6**
2020-21	**6**	**7**

(A tabular format may be used)

55.10. ..... Details of full time teachers against sanctioned posts

(Position sanction letters verified by DCF of AISHE or the concerned authority, Soft copy of appointment letters of faculties during 3 years, Pan No. of faculties)

2016-2017

Sl.No	Name	Designation	Qualification	Experienceinyrs
1	MathewCMathew	Asso.Prof. (HOD)	M,Phil	35
2	VinumonJacob	Assi.Prof.	M.Sc.IT	9
3	CyrilJohn	Assi.Prof.	M.Sc.CE&NT	9
4	AniBhadran	Assi.Prof.	MCA	7
5	VishnupriyaP.	Assi.Prof.	M.Sc.Stat.	2

2017-2018

Sl.No	Name	Designation	Qualification	Experienceinyrs
1	MathewCMathew	Asso.Prof. (HOD)	M,Phil	35
2	VinumonJacob	Assi.Prof.	M.Sc.IT	9
3	CyrilJohn	Assi.Prof.	M.Sc.CE&NT	9
4	AniBhadran	Assi.Prof.	MCA	7
5	VishnupriyaP.	Assi.Prof.	M.Sc.Stat.	2

2018-2019

Sl.No	Name	Designation	Qualification	Experienceinyrs
1	MathewCMathew	Asso.Prof. (HOD)	M,Phil	36

2	Athiramol. S	Assi.Prof.	M.Tech, UGC NET	1
3	Delsey M J	Assi.Prof.	M.E	9
4	Jeny Rachel Samuel	Assi.Prof.	MCA	2
5	Aryamol P C	Assi.Prof.	M.Sc.Mathematics	1

2019-2020

Sl.No	Name	Designation	Qualification	Experienceinyrs
1	MathewCMathew	Asso.Prof. (HOD)	M,Phil	37
2	Athiramol. S	Assi.Prof.	M.Tech, UGC NET	2
3	Delsey M J	Assi.Prof.	M.E	10
4	Jeny Rachel Samuel	Assi.Prof.	MCA	3
5	Aryamol P C	Assi.Prof.	M.Sc.Mathematics	2

2020-2021

Sl.No	Name	Designation	Qualification	Experienceinyrs
1	Delsey M J	Asso.Prof. (HOD in charge)	M.E., Ph.D Pursuing	11
2	Dr. Rajeev R	Assi.Prof	MCA.,Ph.D	22
3	Athiramol. S	Assi.Prof.	M.Tech, UGC NET	3
4	Naveena Tresa Joseph	Assi.Prof	M.Tech, UGC NET	4
5	Aryamol P C	Assi.Prof.	M.Sc.Mathematics	1

55.11. Full time teachers from other states against sanctioned posts -Nil(Softcopy of supporting document)

55.12. Faculty experience

Name of the Full-time teacher	**PAN**	**Designation**	**Year of appointment**	**Total years of Experience as on 31/10/2021**	**Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution**
Aryamol P C	DCQPA9889E	Assistant professor	2018	3	yes
Athiramol. S	MDJPS55715E	Assistant professor	2018	3	yes
Delsey M J	AQEPD8533B	Assistant professor	2018	11	Yes
Dr. Rajeev R	AUAPR6375D	Assistant professor	2021	22	yes

Naveena Tressa Joseph	ARUPN6464G	Assistant professor	2021	5	yes
Jeena Shaji	BMPTPS6922H	Assistant professor(visiting Faculty-English departme nt)	2021	0	yes

55.13. Total number of differently abled teachers: 0

55.14. Percentage of full time teachers with Ph.D. 20%

Percentage =

$$\frac{\text{Number of full time teachers in the department with Ph. D.}}{\text{Total number of full time teachers}} \times 100$$

Name of full time teacher with PhD	Number of full time teachers with PhD	Total number of full time teachers
Rajeev R	1	5

55.15. Is the department an approved research centre by University / National / International bodies?

No

(Yes/No; provide order number with year and name of affiliating University)

55.16. Summary of budget for the Previous Financial Year (PFY) and the actual expenditure incurred in the PFY.

NA

55.17. Summary of budget for the Current Financial Year (CFY).

NA

PART B

56. Facilities and Technical Support

56.1. ..... Class rooms in the Department: 3

56.1.1. ..... Adequat e number of rooms for lectures (core/electives), seminars, tutorials, etc.for the program

(Provide a description with the number of existing rooms and lack of them, if any)

Purpose of the class rooms	No. of existing classrooms	No. of class rooms required
lectures	3 118	
Seminars	Nil	1

Tutorials	Nil	1
Total number of classrooms required		

56.1.2. Teaching aids – multimedia projectors, etc.

(Provide a description with the number of existing classrooms with such facilities and lack of thereof, if any)

Type of facility	**No. of existing classrooms with the facility**	**No. of class rooms with the facility required**
Multimedia projector	2	1
Screen	2	1
Smart boards	0	1
Wireless microphone	0	1
Speaker	1	2
Computer	0	0
UPS	0	0
Server	0	0
Document camera	0	0
Educational softwares	0	0
WIFI/LAN facilities	3	0
Total number of classrooms with teaching aids required		**3**

56.1.3. Acoustics, class room size, conditions of chairs/benches, air circulation, lighting, exits, ambiance, and such other amenities/facilities

(Provide a description of the facilities and amenities classroom wise)

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ClassRoomNo.	Size	No.tables	No. of benches	No.ofchairs	No. ofLect	aircirculation

					ure stands	&lighting
BCAI	30x20 sq.ft	22	21	1	1	Verygood
BCAII	30x20 sq.ft	22	21	1	1	Verygood
BCAII	30x20 sq.ft	22	21	1	1	Verygood
John vonNeumann - SoftwareTrainingLab	30x20 sq.ft	12	0	33	0	Air-conditioned
TimBerners-Lee - Project Lab	30x20 sq.ft	12	0	33	0	Air-conditioned

56.1.4. Seminar halls with ICT facilities

Type of facility	**No. of existing seminar halls with the facility**	**No. of seminar halls with the facility required**
Multimedia projector	0	1
Screen	0	1
Smart boards	0	1
Wireless microphone	0	1
Speaker	0	1
Computer	0	1
UPS	0	1
Server	0	1
Document camera	0	1
Educational softwares	0	1
WIFI/LAN facilities	0	1
Total number of seminar halls with ICT facilities required		**1**

56.2. ..... Faculty Rooms in the Department

56.2.1. ..... Availability of individual faculty rooms: 2

(Provide a description)

56.2.2. ..... Room equipped with white/black board, computer, Internet connectivity, adequate number of plug points, UPS connectivity and such other amenities/facilities

FacultyRoom–3nos.
InternetCoonectivitySpeed:100mbps
Numberofplug points:10
UPSConnectivityavailable.
Nowhite/blackboard

(Provide a description with number of facilities and lack of thereof, if any)

56.2.3. ..... Usage of room for discussion/counseling with students:nil

56.3. ..... Laboratories in the Department to meet the Curriculum Requirements and the PSOs

NoofLaboratories:2
TimBerners-Lee-ProjectLabconsistingof40computerSystemswith

Internetconnectivity.
JohnvonNeumann-SoftwareTrainingLabconsistingof41Systemswith

Internetconnectivity.

56.3.1. ..... Adequate, well-equipped laboratories to meet the curriculum requirements and the PSOs

NoofLaboratories:2
TimBerners-Lee-ProjectLabconsistingof40computerSystemswith

Internetconnectivity.
JohnvonNeumann-SoftwareTrainingLabconsistingof41Systemswith

Internetconnectivity.

(Provide a description with the number of laboratories and lack of thereof, if any)

56.3.2. ..... 118 ..... Adequate, well-equipped laboratories to conduct research projects:nil

(Provide a description with the number of laboratories and lack of thereof, if any)

56.3.3. ..... Equipment to run experiments and their maintenance, Number of students per experimental set up, Size of the laboratories, overall ambience etc.

(Provide both quantitative and qualitative information)

Name of the equipment	Number of students per equipment/experiment	Size of the laboratories
JohnvonNeumann-SoftwareTraining Lab DesktopComputerswithi3,4GBRAM,500GBHDDconfiguration	1	600sqft
Tim Berners-Lee - Project LabDesktopComputerswithi3,4GBRAM,500GBHDDconfiguration	1	600sqft
UPS	2	
NetworkingSwitch	5	
AirConditioner	6 Nos.	

56.3.4. ..... Availability of computing facilities in the department

Number of computer labs	Number of computers	Number of UPS	Number of servers	Internet connectivity (yes/no) Speed (mb/ps)	Access to e-resources (yes/no)	Student : Computer ratio
2		2	0	100mbps	Yes(Freee-resources)	1:1

(Provide a description with the number of computers and related facilities, adequate space for laboratory etc. and lack of thereof, if any)

56.3.5. ..... Availability of laboratories with technical support within and beyond working hours:nil

(Provide a description of the type and extent of technical support lent to the laboratories, number of such laboratories, number of technicians assigned to each laboratory and lack of thereof, if any)

56.4. ..... Technical Manpower Support in the Department

56.4.1. ..... Availability of adequate and qualified technical supporting staff for program specific laboratories and lack of thereof, if any.

TechnicalStaff:Nil (Lack-1)

56.4.2. ..... Incentiv
es, skill-up gradation and professional advancement:nil

57. Infrastructure, Governance, Institutional Support and Financial Resources

57.1. ..... Campus
infrastructure and facility

57.1.1. ..... Mainten
ance of academic infrastructure and facilities

Theclassroomsandlaboratoriesarewellmaintained.

(Provide a description of the current situation and a history over the last 3 years)

57.1.2. ..... Hostel
(boys and girls), transportation facility, and canteen

FacilitiesareprovidedbytheInstitution

(Provide a description of the current situation with the number of students obtained hostel, transportation and canteen facilities and a history over the last 3 years)

57.1.3. ..... Electricit
y, power back up, telecom facility, drinking water, and security

(Provide a description of the current situation and a history over the last 3 years)

Electricity: Three Phase Connection

Power Backup: 2 Nos. of UPS with 10KVA and 6KVA

Telecom facility: Available

Drinking water: Water purifier cum cooler is available

Security: Available

57.2. ..... Organiza
tion, Governance and Transparency

57.2.1. ..... Governi
ng body, administrative setup, and functions of various bodies and cells

(Provide information about the department level bodies and committees)

IQAC Committee Examination Committee

Computer Science Association

Anti Ragging Cell

Discipline Committee

Infrastructure Maintenance Committee

Grievance redressal Committee

57.2.2. ..... Defined rules, procedures, recruitment, and promotional policies, etc.

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

AspertheguidelinesstipulatedbytheGovernment,Universityand Management.

57.2.3. ..... Decentralization in working, including delegation of financial power and grievance redressal system: NA

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

57.2.4. ..... Transparency and availability of correct/unambiguous information disseminated among the department staff

HOD and Faculty meeting is conducted periodically and minutes of meeting is maintained.

Parents Teachers Association is conducted two times in a semester and minutes of meeting is maintained

57.3. ..... Budget Allocation, Utilization and public Accounting

NA

57.3.1. ..... Adequacy of budget allocation

NA

(Provide description with numbers related to budget allocation)

57.3.2. ..... Utilization of allocated funds

NA

(Provide description with numbers related to utilization)

57.4. ..... Programme Specific Budget Allocation, Utilization

57.4.1. Adequacy of budget allocation: NA

(Provide description with numbers related to budget allocation)

57.4.2. Utilization of allocated funds:NA

(Provide description with numbers related to utilization)

57.5. Facilities: Animal House/Green House / Museum, Fabrication facility, Media laboratory/Business Lab/Studios, Research/Statistical Databases: NA(Year of establishment, Hyperlink of videos and pictures (geotagged) – verified from DCF of AISHE)

57.6. ..... Library

57.6.1. Library space and ambience, timings and usage, availability of a qualified librarian and other staff, library automation, online access, networking, specialized facilities (ILL, download, printing, facilities for differently abled students) etc.

(Provide description)

Facilities cited above are provided by the Institution's Central Library. In addition to the above facility, Department maintainsa library

57.6.2. Titles and volumes per title of books, journals and periodicals.

(List the titles and volumes per title)

57.6.3. Scholarly journal subscription:nil

(List the details of journals including publisher, ISBN number, broad range of study, specific field of study, how the subscription of a specific journal is beneficial for faculty and students)

57.6.4. Digital Library:Nil

57.6.5. Library expenditure on books, magazines/journals, and miscellaneous contents: NA

(Provide description with numbers related to expenditure)

57.6.6. Number of withdrawal of books by students in the previous year*****

Formula:

$$\frac{\text{Number of withdrawal of books from department library in previous year}}{\text{Total number of students}} \times 100$$

20/94 =21%

$$\frac{\text{Number of withdrawal of books from College library in previous year}}{\text{Total number of students}} \times 100$$

*Source: Issue register

57.7. ..... Internet

Students of the department are permitted to utilize internet facility from 9.00 am to 10.am, 1.00 pm to 2.00 pm and from 4.00pm to 5.00 pm under the faculty supervision.

Faculties are provided with internet facility throughout the day.

Speed of Internet: 100 mbps

(Indicate the internet usage policy, whether satisfactory internet speed is available all the time etc.)

57.8. ..... Safety norms

57.8.1. Checks for wiring and electrical installations for leakage and earthing.

Electrician of the Institution periodically monitors for leakage and earthing.

(Provide description)

57.8.2. Fire-fighting measurements: Effective safety arrangements with emergency / multiple exits and ventilation / exhausts in auditoriums and large classrooms / laboratories, fire-fighting equipment and training, availability of water, and other such facilities.

(Provide description with the number of equipments available and lack of thereof, if any)

Safety measures are satisfactory except fire-fighting equipment.

57.8.3. Safety of civil structure

(Provide description)

Atparwithprescribedstandards.

57.8.4. Handling of hazardous chemicals and such other activities:NA

(Provide description and issues, if any)

57.9. ..... Counseling and Emergency Medical Care and First-Aid

57.9.1. Availability of counseling facility

Institution'sCounselingfacilityisextendedtodepartment

(Provide description and issues, if any)

57.9.2. Arrangement of emergency medical care

As there are nearby hospitals, in necessary situations students are taken to the hospital.

(Provide description and issues, if any)

57.9.3. Availability of First Aid Unit

First Aid Unit Available

(Provide description and issues, if any)

PART C

58. Programme Specific information

58.1. ..... Name of the Programme:Bachelor of Computer Application (BCA)

(List name of the programme, as it appears on graduate's certificates and transcript, and abbreviation used for the programme)

58.2. ..... Title of the Degree: Bachelor of Computer Application (BCA)

(List name of the degree, as it appears on graduate's certificates and transcript, and abbreviation used for the degree).

58.3. ..... History of the programme

Established in the year 2014 and the first batch passed out in 2017.

(Provide description)

58.4. ..... Deficiencies, weaknesses/concerns and challenges from previous accreditations of NAAC: NA

(Provide description)

58.5. ..... Total number of students in the programme:

(Instruction: Total number of students, both boys and girls, has to be listed here. The data may be categorized in tabular form under graduate, post graduate, Doctoral Degree, or other program, if applicable.)

Year	Total number of students in UG programme		Total number of students in PG programme		Total number of students in Ph.D. programme		Total number of students in diploma/ certificate/ other programmes	
	Male	Female	Male	Female	Male	Female	Male	Female
2020-21	74	34						
2019-20	50	31						
2018-19	53	39						
2017-18	49	33						

2016-17	58	38						

59. Vision, Mission and Programme Outcomes

59.1. ..... Vision and Mission

59.1.1. State the Mission and Vision of the College and department in relation to programme outcomes

Vision

To be an outstanding department that provides a transformative value based education, to create software professionals, entrepreneurs and innovators, serving as valuable resource for industry and society

Mission

- Provide learning ambience to generate innovative and problem solving skills with professionalism.
- Create facilities and expertise in advanced computer technology thereby promote research.
- Enhance Industry Institute Interaction programme to get acquainted with corporate culture.
- Induce ethical values and spirit of social commitment.

(List and articulate the mission and vision statement of the College and department)

59.1.2. Indicate how and where the Vision and Mission are published and disseminated

(Describe in which media (e.g. websites, curricula books) the vision and mission are published and how these are disseminated to stakeholders)

59.1.3. Mention the process for defining Vision and Mission of the department

(Articulate the process involved in defining the vision and mission of the department from the vision and mission of the College)

59.2. ..... Program Outcomes

59.2.1. Describe the Programme Outcomes (POs)

GPO No.	**GraduateProgrammeOutcomes**

GPO.1	**CriticalThinking**:Takeaninformedandanalyticalapproachtolearninganddemonstratei n-depthknowledgeofthesubjectandgiveopinion(s)supportedbylogicalreasoningthatonehav ejudgedtobeappropriateandunderstandingdifferent approaches andusingthem
GPO.2	**Effective Communication:** Demonstrate proficiency in communicating competentlyin groups and organizations, competence in interpersonal communication; possessskillsto effectivelydeliverformaland informalpresentationstoavariety of audiences inmultiple contexts
GPO.3	**Social Interaction:** Foster social skills and peer interaction enabling them to make allpeoplefeelvaluedandrespecttheirdifferencesbybeingresponsiblecitizensfor creating asociallyinclusivesociety
GPO.4	**EthicalStandards:**Recognizevaluessuchasjustice,trust,equity, fairness,kindness anddevelopacommitmenttomeetinganduphold ingstandardsofethicalbehaviorinallwalks oflifeandcomprehendingthemoraldimensionsofdecisionsandactions
GPO.5	**EnvironmentalConsciousness:**Discerntheissuesofenvironmentalcontextsandengages inpromotingvaluesandattitudesthatclaimcoexistenceandsustainable livingwithreduced,minimal,ornoharmuponecosystems
GPO.6	**Lifelong Learning: Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment**

PSO No.	***IntendedProgrammeSpecific Outcomes UponcompletionofBachelorofComputerApplicationsProgramme,theg raduates willbeableto:***	***GPO No.***
PSO-1	**A**pplyknowledgeofmathematics,management, logicandallied engineering subjects as applicable to Computer Science andEngineering	1
PSO-2	**U**nderstandhowtoidentify,formulate anddesignsolutionsinthe areasofComputerScienceandEngineering	**1**
PSO-3	**D**emonstratetheabilitiestodesignanddevelopalgorithmsand implementthemasprograms, withanalysis andinterpretationofdata	**1**
PSO-4	**D**evelopskillsinsoftwaredevelopment soastoenablethegraduates totakeupemployment/self-employmentinlocal, Indian&global softwaremarket	**1**
PSO-5	**A**ddressthechallengesofcomplexandcomputation intensive problems	**1,2**
PSO-6	**L**earntheoreticalfoundationsofdifferentbranchesofComputer Sciencesothatstudentscanpursueforhigherstudies	**1**
PSO-7	**A**doptanymodernengineeringtoolorsoftwareforanalyzingand solvingvariouscomputerengineeringproblems	**1,2**
PSO-8	**H**avetheknowledgeofcontemporaryissuesandabletoapplyvarious softwareengineering approachesforprojectmanagement	**1,2,3**
PSO-9	**U**nderstandtheimpactofprofessionalengineeringsolutions in environmentalcontextsandtheneedforsustainable development.	**1,2,3**
PSO-10	**T**acklethereallifeproblemsusingtheinternationallyaccepted latest technologies	**1,3**

PSO-11	**C**ommunicateeffectivelyoncomplexprogrammingactivitieswiththeIT community and with society at large, such as, being able tocomprehendandwriteeffective reportsanddesigndocumentation, makeeffectivepresentations,andgiveandreceiveclearinstructions.	**1,3,5**
PSO-12	**E**nhanceEmployabilitybydevelopingleadership,effective communication&timemanagementskillsandalsobyincorporatingethics& teamwork ability	**3-6**
PSO-LG	**O**rganizeanddeliver relevantapplicationsofknowledgethrough effectivewrittenverbal,graphical/virtualcommunicationandinteractproductively with peoplefromdiversebackground.	**3**

(List and articulate the program outcomes of the program under accreditation)

59.2.2. State how and where the POs are published and disseminated

(Describe in which media (e.g. websites, curricula books) the POs are published and how these are disseminated to stakeholders)

Website

Curricula Book

Course plan

Lab Manual

59.2.3. List Stakeholders of the Program

(List stakeholders of the program under consideration for accreditation and articulate their relevance)

University – Academic policies are controlled by the university

in a boarder sense

Government-Abidingtherulesandregulationsofthe

government.

Management – Management and Funding are vested in the

management.

Principal – Real time administration.

Faculties – Provide the outcome based education. Students – Beneficiary of the program.

Parents – Guidance and support

59.2.4. State the process for establishing Pos

Assignments, Conduct of Examination, Paying personal attention to students, remedial coaching, evaluation of mini projects and periodic review of students, Conduct of Seminars

and workshops.

Periodic staff meeting, Meeting with Principal, Parents Teachers meeting, Association meetings, Motivational

sessions.

(Describe the process that periodically documents and demonstrates that the POs are based on the needs of the program's various stakeholders.)

59.2.5. Establish consistency of POs with Mission

(Describe how the PO's are consistent with the Mission of the department.)

59.3. ..... Attainment of Program Outcomeswith global relevance for developmental needs

59.3.1. Justify the contributions of the Programme Curriculum towards attainment of Pos

Mathematics

Communiation skill

Profession core Theory and Lab

Electives

Mini Project

Main Project

Seminar

(Describe the broad curricular components that contribute towards the attainment of the POs.)

59.3.2. Explain how administrative system helps in ensuring the attainment of POs

(Describe the committees and their functions, working process and related regulations.)

There are three committees responsible for management and administration of the Department which helps in ensuring the achievements of the PEO's

1. Programme Coordination Committee:

This committee of 3 faculty members takes care of the students' tabulation of results, dissemination of relevant information to students.

2. Curriculum Development Committee:

This committee of faculty members looks after the development of curriculum based on various inputs from stakeholders.

3. Advisement/Warden Committee:

This committee of large number of faculty members of moderate seniority takes care of advisement of courses to students according to their capability and career choice. The Warden also takes care of students' ethical grooming. Thus, wardens act as mentors.

4. Board of Studies:

This committee of all faculty members of the department discusses and ensures the relevance of the curriculum and syllabi with the mission and POs. It also analyzes the problems faced by students and members of the coordination committee in running the programme and takes appropriate action on its own or recommends to the Faculty.

59.3.3. Indicate the additional co-curricular activities undertaken towards the attainment of the Pos

Computer Science Association Arts club

Music Club NCC

NSS

Nature club Sports Club

59.4. ..... Assessment of the attainment of Programme Outcomeswith global relevance for developmental needs

59.4.1. Indicate tools and processes used in assessment of the attainment of Pos

Describe the assessment process that periodically documents and demonstrates the degree to which the PO's are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each PO is based. Examples of data collection processes may include, but are not limited to, employer surveys, graduate surveys, focus groups, industrial advisory committee meetings, or other processes that are relevant and appropriate to the programme; the frequency with which these assessment processes are carried out.

Typeof Assessment Tool	**Assessment Tool**	**Assessment Criteria**	**Data Collection frequency**	**Responsible Entity**	**MappedPO**
Direct	CoursePerfo rmance	Numberof studentspa ssed	Once everysemes ter	Resultprocessi ng (RP) unit oftheinstitut e	
Indirect	Placement Record	Number of students	Onceevery year	Trainingand Placement	
		placed		Officeoftheins titute	
Indirect	HigherStudies Record	Numberofstud entswhooptedf	Once everyyear	Department	

		or higher studies			
Indirect	Alumni Survey	Levelof achievement	Onceevery year	Department	

59.4.2. Provide the evidence of the achievement of POs

The expected level of attainment for each of the PO.

Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the PO is being attained; and how the results are documented and maintained.

59.4.3. Indicate how the POs have been redefined the past

60. Programme Specific Outcomeswith global relevance for developmental needs

60.1. ..... Definitio n and Validation of Course Outcomes and Programme Specific Outcomes

60.1.1. List the Course Outcomes (COs) and Programme Specific Outcomes (PSOs)

(List the Course Outcomes (CO) of the courses in programme curriculum and programme specific outcomes (PSO) of the programme under accreditation)

SEMESTERI

CA1811101COMPUTERFUNDAMENTALSANDDIGITALPRINCIPLES

Uponcompletionofthis course, thestudentswill beableto:

- Bridgethefundamentalconceptsofcomputerswiththepresentlevelofknowledge ofthe students.
- Familiarise operating systems, programming languages, peripheral devices,networking,multimedia andinternet
- Understandbinary,hexadecimalandoctalnumbersystemsandtheirarithmetic.
- UnderstandhowlogiccircuitsandBooleanalgebraformsasthebasicsofdigitalcom puter.
- DemonstratethebuildingupofSequentialandcombinationallogicfrombasicgates.

CA1811102METHODOLOGYOFPROGRAMMINGANDCLANGUAGE

Uponcompletionofthis course, thestudentswill beableto:

- Understandtheconceptsof programmingandmethodologiesessentialfordeveloping good Cprograms.
- Understandtheuseofcharacterset,datatypesandoperators
- ApplyFlowcontrolstatementsinproblemsolving
- Apply Complexdatatypes arrays,structures,unionandpointersinprogramdevelopment

CA1811601SOFTWARELABI

Uponcompletionofthis course, thestudentswill beableto:

- UsethefundamentalsofCprogrammingintrivial problemsolving
- Choosetheloopsanddecisionmaking statementstosolveproblems.
- DemonstratetheuseofStringsandstringhandlingfunctions.

- Understandthesignificance ofpointers
- Usefunctionstosolveproblems.
- Understandstructuresandunions.
- Distinguishthestrategyofdynamic memoryallocation.

SEMESTER

IICA1812103DATABASE MANAGEMENTSYSTEMS

Uponcompletionofthiscourse,thestudentswillbeable to:

- Characterise thedatabaseapproach
- Discusstherelations,relationshipmodelsandrelationaldatabaseschemasindetail
- Practice withtheSQLqueries
- UnderstandtheNormalizationandIndexingStructuresforFiles
- DiscussTransactionProcessingandDatabaseSecurity

CA1812104-COMPUTERORGANIZATIONANDARCHITECTURE

Uponcompletionofthis course, thestudentswill beableto:

- Describethefundamentalorganisationofacomputersystem
- Explainthefunctionalunitsofaprocessor
- Explainaddressingmodes,instructionformatsandprogramcontrolstatements
- Distinguishtheorganization ofvariouspartsofasystemmemoryhierarchy
- Describebasicconceptofparallelcomputing
- Describefundamentalsconceptsofpipelineandvectorprocessing

CA1812105OBJECTORIENTEDPROGRAMMINGUSINGC++

Uponcompletionofthis course, thestudentswill beableto:

- Understandthedifferencebetweenthetop-downandbottom-upapproach
- Describetheobject-orientedprogramming approachinconnectionwithC++
- Applytheconcepts ofobject-orientedprogramming
- Illustrate theprocessofdatafilemanipulations usingC++
- Applyvirtual andpurevirtualfunction&complex programmingsituations

CA1812602SOFTWARELAB-II

Uponcompletionofthis course, thestudentswill beableto:

- ApplyDDLcommandsinSQLtocreate,modify,andremovedatabaseobjects
- UseBasicSQLqueriesINSERT,SELECT,DELETE,UPDATEtomultipletables
- ShoworderingofrowsusingORDERBYoption
- ManipulatetablesusingSEToperations
- Applycomplexqueries inSQL
- MakeviewsinSQL
- Applytheconcepts ofobject-orientedprogramming

SEMESTERIII

CA1813106COMPUTER GRAPHICS

Uponcompletionofthis course, thestudentswill beableto:

- Understandtheworkingofdifferentdisplaysystem
- Understandthebasicprinciplesofimplementingcomputergraphicsprimitives
- Useofgeometric transformations ongraphicsobjectsandtheirapplicationincomposite form
- Extractscenewithdifferentclippingmethodsanditstransformationtograph icsdisplaydevice
- Exploreprojectionsandvisiblesurfacedetectiontechniquesfordisplayof3Dscene on2Dscreen
- Understandthebasicsofcomputeranimationandanimationlanguage

CA1813107MICROPROCESSORANDPCHARDWARE

Uponcompletionofthis course, thestudentswill beableto:

- Explainthegeneralarchitectureofamicrocomputersystemandarchitec tureorganizationof 8085
- Classifytheinstructionsetof8085microprocessoranddistinguishtheuseofdiffere ntinstructions
- Identifydifferentcomponentsandtheirfunctionsonthemotherboard
- Explaintheoperationofharddisk
- Identifythedistinguishingfeaturesofphysicalmemory,memorymodules andmemoryareas.

CA1813108OPERATINGSYSTEM

Uponcompletionofthis course, thestudentswill beableto:

- Discussfundamentalconcepts,structureanddesignofoperating Systems
- Explaininter-processcommunication
- Inter-processschedulingandschedulingalgorithms
- Describeprocesscoordinationandsynchronization
- Explaindifferentapproachestomemorymanagement.
- Describesecondarystoragemanagement anddiskscheduling

CA1813109DATASTRUCTURESUSING C++

Uponcompletionofthis course, thestudentswill beableto:

- DiscusstheprovisionsinC++toorganizeandmanipulatedatastructures usingarray
- UnderstandstackandqueueexecutionsintermsofC++derivedatatype.
- Applytheconcepts ofdynamicmemoryallocation fortheformation oflinkedlistandforgarbagecollection
- Applytreeterminologyfordatamanipulations

CA1813603-SOFTWARELAB-III

Uponcompletionofthis course, thestudentswill beableto:

- Implementsortingandsearchingalgorithmsusing Arrays.
- Applyvarious datastructurestacks,queues usingarrays
- Implementlinkedlistusingdynamic memoryallocation
- Showtreetraversetechnique tovariousapplications

SEMESTERIVCA1814110

DESIGNANDANALYSISOFALGORITHMS

Uponcompletionofthis course, thestudentswill beableto:

- Describethebasicsofalgorithms
- Applythetheoryofspacecomplexity,timecomplexityandtheirnotations inproblemsolving
- Analysethegeneralstrategiesandthealgorithmsbasedonthem
- Explain basictraversals ontreeandsearchmethods ongraphs

CA1814111SYSTEMANALYSIS&SOFTWAREENGINEERING

Uponcompletionofthis course, thestudentswill beableto:

- Understandthesignificance ofsystemanalysis,designanddevelopment
- Understandtheprocessofsystemmodellingindetail
- Usetheengineering techniqueofrequirementelicitation
- Understandcostmodel techniquesinsoftwareengineering
- Interpretthestandardizedsystem designmethodsinsoftwareproduction
- Makeuseofsystemtestingandvalidation inthedevelopmentlifecycle

CA1814112-LINUXADMINISTRATION

Uponcompletionofthis course, thestudentswill beableto:

- Explain thefundamental conceptsofopen-sourceoperatingsystemLinux
- Understandthebasicsetofcommandsandeditorsin Linuxoperatingsystem.
- DiscussshellprogramminginLinuxoperating system
- Demonstratetheroleandresponsibilitiesofa Linuxsystemadministrator.
- Distinguishvariousfilterandservercommands

CA1814113WEBPROGRAMMINGUSINGPHP

Uponcompletionofthis course, thestudentswill beableto:

- Describefundamentals ofweb
- IntroducethecreationofstaticwebpageusingHTML
- DescribetheimportanceofCSSinwebdevelopment
- DescribethefunctionofJavaScriptasadynamicwebpagecreatingtool
- DistinguishPHPasaserversideprogramminglanguage
- OutlinetheprinciplesbehindusingMySQLasabackendDBMSwithPHP

CA1814604SOFTWARELABIV

Uponcompletionofthis course, thestudentswill beableto:

- UnderstandtheLinuxArchitectureandcommandusage
- Practiceshellscriptingandessentialshellprogramming

- UseHTMLandJava scriptforwebdesigning
- WritesimpleprogramsusingtheserversidescriptinglanguagePHP.
- WriteprogramsforMySQL

SEMESTERVC

A1815114 COMPUTERNETWORKS

Uponcompletionofthis course, thestudentswill beableto:

- Understandtheconceptsofsignalsand OSI-layerfunctions.
- DiscusstheprocessofMultiplexing,switchinganddifferencebetweenguidedandun guided mediain networks.
- Describe,analyseandcompareanumberofdatalink,network,andtransportlayer protocols
- Havea basicknowledge oftheuseofcryptographyandnetwork security

CA1815115 IT, ENVIRONMENT AND HUMAN RIGHTS

Uponcompletionofthiscourse,thestudentswillbeableto:

- Identifyvarioustypesofnaturalresources,human impacton
- theseresources,andcommonresourcemanagementpractices
- Developskills andacommitmenttoactindependentlyand
- collectivelytosustainandenrichtheenvironment.
- Understandthemultidisciplinarynature,importanttheoriesandconcep tsofenvironmental science,ecosystems,natural
- resourcesandconservation
- Describeenvironmental hazardsandrisksandthesocialandeconomicramifications
- Familiarize withthemajorenvironmental problemsitscauses
- andpotentialsolutions
- Identifyissuesandproblemsrelatingtothehumanrights.
- Analysecountry'ssituation orinternationalsituationintermsof
- humanrights.
- Createawarenessonvarious environmental actsinIndia
- MakethestudentsawareofdifferentissuesandconcernsrelatedIT,Environment &Society

CA1815116 JavaProgrammingusingLinux

- Uponcompletionofthiscourse,the studentswillbeableto:
- Understand platform independent pure object oriented programming paradigmthrough Java
- Understandtheconcepts ofpackages,multithreadingandexception handlingfor effectiveprogramming
- ApplyGUIcomponents inevent handlingforuserfriendlyprogram interface
- Useapplets inJavaforinternetprogramming
- Obtainback-endconnectivityusingJDBCinJavaprogramming

CA1815401 COMPUTERFUNDAMENTALS,INTERNET&MSOFFICE

Uponcompletionofthis course, thestudentswill beableto:

- DescribetheFundamentalsandClassificationsofcomputers.

- Explaintheworkingofinternet
- OutlinethesalientfeaturesofwordprocessingwithspecialreferencetoMicrosoft Word
- DiscussthemainfeaturesandapplicationofSpreadSheetemphasizingMicrosoft Excel
- DescribethefeaturesofMicrosoftPowerPoint

CA1815605 SOFTWARELABV

Uponcompletionofthis course, thestudentswill beableto:

- Write JavaAppletprogrammesfordifferentproblems
- ApplytheJDBCinterfaceforconnectingJavaprogramswithSQL-baseddatabases
- UsetheOverloadingandOverridingmethodsindevelopingapplications
- DevelopProgramsusingclassandinputsfromkeyboard
- FamiliarizeInterfaceimplementationprograms
- FamiliarizeProgramsthroughinheritance
- DevelopProgramsusingpackages

CA1815801 SOFTWAREDEVELOPMENTLABI(MINI PROJECT)

Uponcompletionofthis course, thestudentswill beableto:

- Acquirepractical knowledgewithinthechosenareaoftechnologyforprojectdevelopment
- Understandtheproblemsfacedduringprojectimplementation.
- Identify,analyze,formulateandhandleprogrammingprojectswithacomprehen siveand systematicapproach
- Contribute asanindividualorinateamindevelopmentoftechnicalprojects
- Developeffectivecommunicationskillsforpresentationofprojectrelatedactivities
- Enhancetheproblemsolvingabilitybysolvingthereal-timeproblems.

SEMESTERVIC

A1815117 CLOUDCOMPUTING

Uponcompletionofthis course, thestudentswill beableto:

- Describefundamentalconceptsofcloudcomputing
- Distinguishparallelanddistributedcomputing
- Describevirtualization
- Explaincloudcomputingarchitecture
- DescribeCloudApplicationPlatform–Aneka
- Explainhowcloudcomputingtechnologiesareusedtointegrateandextendexisting industrialapplications.

CA1815118 MOBILEAPPLICATIONDEVELOPMENT-ANDROID

Uponcompletionofthis course, thestudentswill beableto:

- UnderstandtheconceptsofAndroidplatformandtherebyAndroidVirtualDevices.
- ExplainhowUserInterfaceisdesignedusingdifferenttools
- UnderstandtheAndroidActivityLifeCycleanditsapplications
- Describethemultimediausingthecombinationofinteractivecontent-Audio,VideoandText.
- Understandcreation, connectionandmanipulation ofSQLitedatabaseinandroid
- ExplainXMLandJSON,bothofwhicharecommonlyusedwithAPItopassdataback and forth betweensoftwareprograms

CA1816606 SOFTWARELABVI&SEMINAR

Uponcompletionofthis course, thestudentswill beableto:

- Exposetoawiderangeoftopicsincomputerscience
- Producethedocuments relatedtotheselected topic
- Abletoparticipateindiscussionsandtogetfeedbackaboutthepresentedmaterial.
- Identifythesources ofandutilizesubjectcontentofliterature inthecomputerprofession
- Utilize theliteratureinthecomputer professiontoformulateandproducesummariesofatopicwithintheliterature
- AbletoPlan,develop,anddeliverprofessionalpresentationsusingpresentationt oolssuchas Power Point.
- ExplainthedifferencesbetweenAndroidandothermobiledevelopmentenvironments
- UnderstandhowAndroidapplicationswork,theirlifecycle,manifest,Intents,andu singexternalresources
- Showshowtocreateanappinterface
- Learntosavedatatoadatabaseisidealforrepeatingorstructureddata,suchasconta ctinformation.
- UnderstandJSONalightweightdata-interchange format

CA1816802

SOFTWAREDEVELOPMENTLABII(MAI N PROJECT)

Uponcompletionofthiscourse,thestudentswillbeable to:

- Acquirepractical knowledgewithinthechosenareaoftechnologyforprojectdevelopment
- Understandtheproblemsfacedduringprojectimplementation.
- Identify,analyze,formulateandhandleprogrammingprojectswithacomprehen siveand systematicapproach
- Contribute asanindividualorinateamindevelopmentoftechnicalprojects
- Developeffectivecommunicationskillsforpresentationofprojectrelatedactivities
- Enhancetheproblemsolvingabilitybysolvingthereal-timeproblems.

CA1815301 DATAMINING

Uponcompletionofthis course, thestudentswill beableto:

- Understanddatawarehousingandminingconcepts

- EvaluatedifferentmodelsusedforOLAP,OLTPanddatapreprocessing
- Categorize the situations for applying different data-mining techniques: frequentpattern mining, association, correlation, classification, prediction, and cluster andoutlieranalysis
- Understandsystemsfordatamining
- Understandtheperformanceofdifferentdata-miningalgorithms
- Proposedata-miningsolutionsfordifferentapplications

CA1816901VIVAVOCE

Uponcompletionofthis course, thestudentswill beableto:

- Evaluate how much learning outcomes have been met at the end of the UGprogramme.
- Prepareforinterviewsbothattheacademicandtheindustrialsector.

PROGRAMMESPECIFICOUTCOMES(PSO)

PSO No.	***IntendedProgrammeSpecific Outcomes UponcompletionofBachelorofComputerApplicationsProgramme,thegraduates willbeableto:***	***GPO No.***
PSO-1	**A**pplyknowledgeofmathematics,management, logicandalliedengineeringsubjectsasapplicabletoComputerScienceand Engineering	1
PSO-2	**U**nderstandhowtoidentify,formulate anddesignsolutionsinthe areasofComputerScienceandEngineering	**1**
PSO-3	**D**emonstratetheabilitiestodesignanddevelopalgorithmsand implementthemasprograms, withanalysis andinterpretationofdata	**1**
PSO-4	**D**evelopskillsinsoftwaredevelopmentsoastoenablethegraduates to takeupemployment/self-employmentinlocal,Indian&globalsoftware market	**1**
PSO-5	**A**ddressthechallengesofcomplexandcomputation intensive problems	**1,2**
PSO-6	**L**earntheoreticalfoundationsofdifferentbranchesofComputer Sciencesothatstudentscanpursueforhigherstudies	**1**
PSO-7	**A**doptanymodernengineeringtoolorsoftwareforanalyzingand solvingvariouscomputerengineeringproblems	**1,2**
PSO-8	**H**avetheknowledgeofcontemporaryissuesandabletoapplyvarious softwareengineering approachesforprojectmanagement	**1,2,3**
PSO-9	**U**nderstandtheimpactofprofessionalengineeringsolutions in environmentalcontextsandtheneedforsustainable development.	**1,2,3**
PSO-10	**T**acklethereallifeproblemsusingtheinternationallyaccepted latest technologies	**1,3**
PSO-11	**C**ommunicateeffectivelyoncomplexprogrammingactivitieswiththeITcommunity andwith societyatlarge, such as,beingable to comprehend and write effective reports and design documentation,makeeffectivepresentations,andgiveandreceiveclearinstructions.	**1,3,5**
PSO-12	**E**nhanceEmployabilitybydevelopingleadership,effective communication&time management skillsandalsobyincorporating	**3-6**

	ethics &teamworkability	
PSO-LG	**O**rganize and deliver relevant applications of knowledge throughheffectivewrittenverbal,graphical/virtualcommunicationandinteract productivelywithpeoplefromdiversebackground.	**3**

60.1.2. State how and where the PSOs are published and disseminated

Website

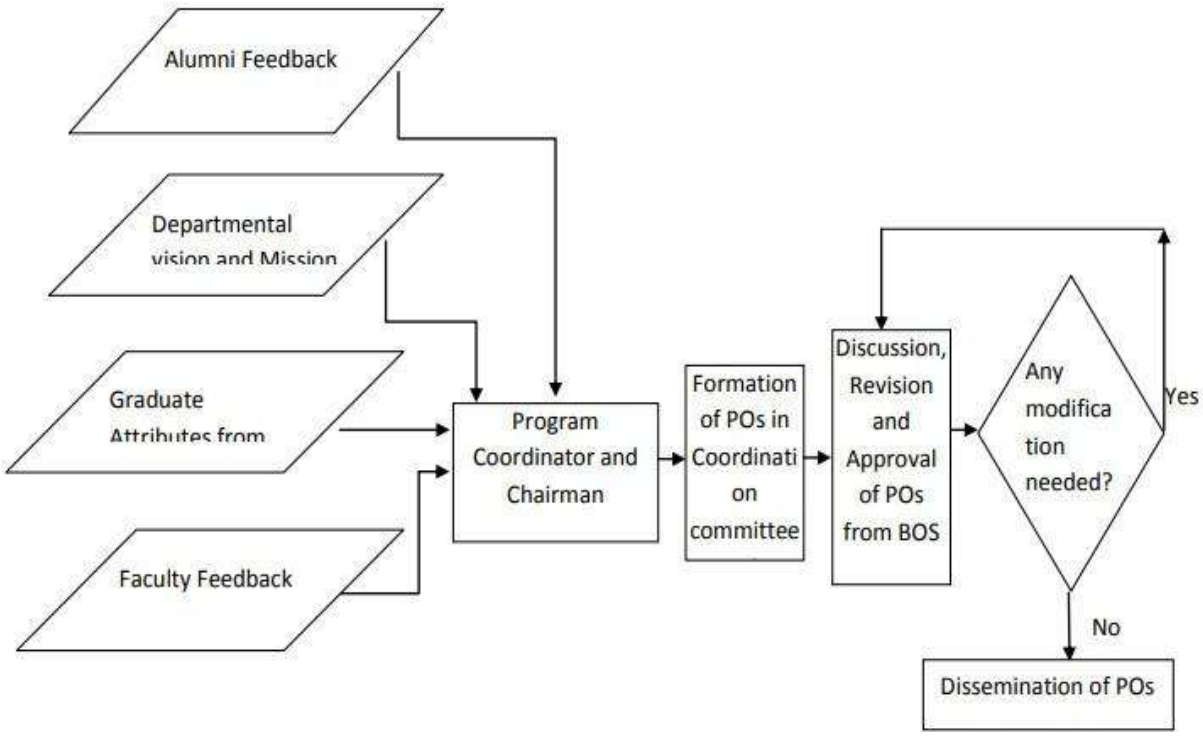
Curricula Book

Course plan

Lab Manual

(Describe in which media (eg. websites, curricula, books etc.) PSOs are published and how the same is disseminated among stakeholders).

60.1.3. Indicate processes employed for defining PSOs



(Describe the process that periodically documents and demonstrates that the PSOs are defined in alignment with the graduate attributes of NAAC)

60.1.4. Indicate how defined PSOs aligned to Graduate Attributes prescribed by UGC

(Indicate how the PSOs defined for the programme are aligned with the Graduate Attributes of UGC)

Graduate Attributes	ProgramSpecificOutcome												
	1	2	3	4	5	6	7	8	9	10	11	12	LG
Knowledge	X									X			
ProblemAnalysis		X								X			
Design/DevelopmentofSolutions		X								X			
ConductInvestigationsofComplex Problems			X		X								
ModernTool Usage				X			X			X			
Environmentand Sustainability									X				
Ethics													
Individual& TeamWork											X	X	X
Communication											X	X	X
Project Management&Finance								X			X	X	
LifelongLearning						X					X	X	X

60.1.5. Establish the correlation between PSOs and Pos

GraduateProgrammeOutcomes(GPO)	ProgramSpecificOutcome(PSO)												
	1	2	3	4	5	6	7	8	9	10	11	12	LG
CriticalThinking	X	X	X	X	X	X	X	X	X	X	X		
EffectiveCommunication					X		X	X	X				
SocialInteraction							X	X	X		X	X	X
EthicalStandard												X	
Environmental Consciousness											X	X	
Lifelong Learning												X	

Explain how the defined PSOs of the programme correlate with the POs

60.2. ..... Attainment of Programme Specific Outcomes

60.2.1. Illustrate how Course outcomes (CO) contribute to PSOs

(Provide the correlation between the course outcomes and the programme specific outcomes. The strength of correlation may also be indicated)

60.2.2. Explain how modes of delivery of courses help in attainment of PSOs

Semester I

DISCRETE MATHEMATICS -I Course code: MT1811202 Semester 1	
Sl.No	***Expected Course Outcomes***
1	To learn a mathematical topic, a person needs to actively construct mathematical arguments on this topic. A major goal of this course is to teach the students how to understand and construct correct mathematical arguments.
2	Identify sets, different properties of sets, set operations and set identities.
3	Explain the different methods for representing the relationship between sets.
4	The basic concepts involving functions needed in discrete mathematics.
5	Discuss how the equivalence classes of an equivalence relation partition a set into disjoint nonempty subsets.
6	Find a relation that is reflexive, anti-symmetric and transitive. These are the properties that characterize relations used to order the elements of sets.
7	Solve the problems using what they studied.
8	Define and interpret the concepts of divisibility, congruence, greatest common divisor, prime and prime factorization.
Activities done to meet the outcome: - For attaining Co internal series Test were conducted. Assignments were given.	

Basic Statistics and Introductory Probability Theory Course code: ST1811202 Semester 1	
Sl.No	***Expected Course Outcomes***
1	Identify and demonstrate appropriate sampling and data collection process.
2	Understand how to classify and tabulate data
3	Define, illustrate and apply the concept of probability and conditional probability.
4	Define, illustrate and apply the concept of discrete and continuous random variable.
5	Define, illustrate and apply the concept of discrete and continuous random variable.
6	Using the concept expectation to find mean and variance.
7	Apply the concept of fitting to fit different curves.

8	Perform a regression analysis and compute the coefficient of correlation.
9	Explain measures of central tendency, dispersion and partition values.
10	Solve the problems using what they studied
11	To understand how to represent complex data using graphs.
12	Compute probabilities of certain events using multiplication rule.
13	Calculate probabilities using Bayes' theorem and the law of total probability.
14	Calculate probability mass functions for discrete random variables.
15	Define parameters of different probability density function.
Activities done to meet the outcome: - For attaining Co internal series Test were conducted. Assignments were given.	

Code CA1811102
Title Methodology of Programming and C Language

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cognitive Level	PSO No.
1	Understand the concepts of programming and methodologies essential for developing good C programs.	U	1,3,4
2	Understand the use of character set, data types and operators	U	1,3,4
3	Apply Flow control statements in problem solving	Ap	1,3,4
4	Apply Complex data types arrays, structures, union and pointers in program development	Ap	1,3,4
Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E-Evaluate; C-Create			

Activities done to meet the Outcome

1. Design of flowchart and algorithm for various task are carried out.
2. Assignments were given to experiment on the theory concept.
3. Technical quizzes are conducted.
4. C programming aptitude questions are solved.
5. Class tests are conducted.

Code CA1811601
Title Software Lab I

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cognitive Level	PSO No.
1	Use the fundamentals of C programming in trivial problem solving	u	1-3
2	Choose the loops and decision making statements to solve problems.	Ap	1-3
4	Demonstrate the use of Strings and string handling functions.	Ap	1-3
5	Understand the significance of pointers	U	1-3
6	Use functions to solve problems.	U	1-3
7	Understand structures and unions.	U	1-3
8	Distinguish the strategy of dynamic memory allocation.	U	1-3
Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E-Evaluate; C-Create			

Activities done to meet the Outcome

1. Problems are solved for various C concepts.
2. Developed modular programs using control structures, arrays and structure concept.
3. Programs to understand static and dynamic memory allocation are done.
4. Simple application based
5. Class tests are conducted.

Course Name: **Computer Fundamentals and Digital Principles**
Course Code:**CA1811101**
Semester: 1

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cognitive Level	PSO No.
1	Bridge the fundamental concepts of computers with the present level of knowledge of the students.	R	1,3
2	Familiarise operating systems, programming languages, peripheral devices, networking, multimedia and internet	U	1,3
3	Understand binary, hexadecimal and octal number systems and their arithmetic.	U	1,2
4	Understand how logic circuits and Boolean algebra forms as the basics of digital computer.	U	1,2
5	Demonstrate the building up of Sequential and combinational logic from basic gates.	Ap	1,2
Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E-Evaluate; C-Create			

Activities done to meet the Outcome

Assignment was given, Class test was conducted, Quiz was conducted , Problems based on number system and boolean algebra are solved.

Semester II

DISCRETE MATHEMATICS -II
Course code: MT1812204
Semester 2

Sl.No	*Expected Course Outcomes*
1	Solve real world problems using graphs and trees, both quantitatively and qualitatively
2	Explain the combination of logic gates
Activities done to meet the outcome: - For attaining Co internal series Test were conducted. Assignments were given.	

Course Name: Data base Management System
Course Code: **CA1812103**

Characterize the data base approach
Activities done to meet the Outcome

- : To make students familiarize in DBMS by three schema architecture.
- : Group discussion made on DBMS Languages.

Discuss the relation, relationship models and relational database schemas in detail
Activities done to meet the Outcome

- : To make students understanding the basic concepts of relational model.
- : Assignment given on drawing Entity relationship diagram for various real applications .

Practice with SQL queries
Activities done to meet the Outcome

- : Students were given familiarisation on SQL Commands.
- : Demonstration on developing queries in mysql was given in our computer lab.

Understanding the normalization and indexing structures for files
Activities done to meet the Outcome

- : To make students understanding the various normalization techniques and indexing structure of files.
- : Give training on how to normalize a table with real database.

Discuss transaction processing and database security
Activities done to meet the Outcome

- : To make students understanding the transaction and system concepts by using online transaction in banking and railway system.
- : Group discussion regarding Database security and authorization.

Code CA1812105
Title Object Oriented Programming using C++

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cognitive Level	PSO No.
1	**Understand the difference between the top-down and bottom-up approach**	**U**	**2,3**
2	**Describe the object-oriented programming approach in connection with C++**	**U**	**2,5**
3	**Apply the concepts of object-oriented programming**	**Ap**	**2,3**
4	**Illustrate the process of data file manipulations using C++**	**Ap**	**2,3**
5	**Apply virtual and pure virtual function & complex programming situations**	**Ap**	**1-4**
Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E-Evaluate; C-Create			

Activities done to meet the Outcome

1. Programs related to top down and bottom-up design approach are executed.
2. Programs based on various oops concepts are experimented.
3. Programs based on reading and writing to file are done.
4. Assignments were given to experiment on the theory concept.
5. Technical quizzes are conducted.
6. C++ programming aptitude questions are solved.
7. Class tests are conducted.

Code CA1812602
Title Software Lab-II

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cognitive Level	PSO No.
1	Apply DDL commands in SQL to create, modify, and remove database objects	U	2-4
2	Use Basic SQL queries INSERT, SELECT, DELETE, UPDATE to multiple tables	Ap	2-4
3	Showordering of rows using ORDER BY option	Ap	2-4
4	Manipulate tables using SET operations	Ap	2-4
5	Apply complex queries inSQL	Ap	2-4
6	Make views in SQL	Ap	2-4
7	Apply the concepts of object-oriented programming	Ap	2-4
Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E-Evaluate; C-Create			

Activities done to meet the Outcome

1. DDL and DML queries are executed for various real time scenarios.
2. Programs based on various oops concepts are experimented.
3. Complex queries are executed for various task.
4. Class tests are conducted.
5. Students were given familiarisation on SQL Commands.
6. : Demonstration on developing queries in mysql was given in our computer lab

Course Name: Computer Organization and Architecture
Course Code:**CA1812104**

CO1: Describe the fundamental organisation of a computer system
Activities done to meet the Outcome

- Assignment was given on topic fundamental organisation of a computer system
- Class test was conducted on fundamental organisation of a computer system
- Quiz was conducted on fundamental organisation of a computer system

CO2: Explain the functional units of a processor
Activities done to meet the Outcome

- Assignment was given on topic the functional units of a processor
- Class test was conducted on the functional units of a processor

- Quiz was conducted on the functional units of a processor

CO3: Explain addressing modes, instruction formats and program control statements
Activities done to meet the Outcome

- Assignment was given on topic addressing modes, instruction formats and program control statements
- Class test was conducted on addressing modes, instruction formats and program control statements
- Quiz was conducted on addressing modes, instruction formats and program control statements

CO4: Distinguish the organization of various parts of a system memory hierarchy
Activities done to meet the Outcome

- Assignment was given on topic to distinguish the organization of various parts of a system memory hierarchy
- Class test was conducted on distinguishing the organization of various parts of a system memory hierarchy
- Quiz was conducted ondistinguishing the organization of various parts of a system memory hierarchy

CO5: Describe basic concept of parallel computing
Activities done to meet the Outcome

- Assignment was given on topic basic concept of parallel computing
- Class test was conducted on basic concept of parallel computing
- Quiz was conducted on basic concept of parallel computing

CO6: Describe fundamentals concepts of pipeline and vector processing
Activities done to meet the Outcome

- Assignment was given on topic fundamentals concepts of pipeline and vector processing
- Class test was conducted on fundamentals concepts of pipeline and vector processing
- Quiz was conducted on fundamentals concepts of pipeline and vector processing

Semester III

Advanced Statistical methods Course code: ST18122204 Semester 3	
Sl.No	***Expected Course Outcomes***
1	Differentiate various probability distributions.
2	Define the statement of central limit theorem.
3	Recognize the sampling distributions.
4	Understand the concept of estimation.
5	Test statistical hypotheses.
6	Learn non-parametric test such as the Chi-Square test for Independence as well as Goodness of Fit.
Activities done to meet the outcome: - For attaining Co internal series Test were conducted. Assignments were given.	

Code CA1813109
Title Data Structures using C++

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cognitive Level	PSO No.
1	**Discuss the provisions in C++ to organize and manipulate data structures using array**	**U**	**2,4**
2	**Understand stack and queue executions in terms of C++ derived data type.**	**U**	**2,4**
3	**Apply the concepts of dynamic memory allocation for the formation of linked list and for garbage collection**	**Ap**	**2,4**
4	**Apply tree terminology for data manipulations**	**Ap**	**1,2,4**
Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E-Evaluate; C-Create			

Activities done to meet the Outcome

1. Assignments containing analytical questions.
2. Class test are conducted.
3. C++ Program implementation on the data structure concepts is given.
4. Technical quizzes are conducted.

Code CA1813603
Title Software Lab-III

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cognitive Level	PSO No.
1	**Implement sorting and searching algorithms using Arrays.**	**Ap**	**2,4**
2	**Apply various data structure stacks, queues using arrays**	**Ap**	**2,4**
3	**Implement linked list using dynamic memory allocation**	**Ap**	**2,4**
4	**Show tree traverse technique to various applications**	**Ap**	**2,4**
Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E-Evaluate; C-Create			

Activities done to meet the Outcome

1. Class test are conducted.
2. C++ Program implementation on the data structure concepts is given.

Course Name: **Computer Graphics**
Course Code:**CA1813106**
Semester: 3

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cogni tive	PSO No.

		Level	
1	**Understand the working of different display system**	**U**	**1,6**
2	**Understand the basic principles of implementing computer graphics primitives**	**U**	**1,6**
3	**Use of geometric transformations on graphics objects and their application in composite form**	**U**	**1,6**
4	**Extract scene with different clipping methods and its transformation to graphics display device**	**U**	**1,6**
5	**Explore projections and visible surface detection techniques for display of 3D scene on 2D screen**	**U**	**1,6**
6	**Understand the basics of computer animation and animation language**	**U**	**1,6**
Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E-Evaluate; C-Create			

Activities done to meet the Outcome
Assignment was given, Class test was conducted, Quiz was conducted , Problems based on 2D transformations are solved.

Course Name: Microprocessor and PC hardware
Course Code: **CA1813107**

Explain the general architecture of a microcomputer system and architecture organization of 8085
Activities done to meet the Outcome
: To make students familiarize in microcomputer system architecture using graphical presentation.
: Group discussion made on pin diagrams

Classify the instruction set of 8085 microprocessor and distinguish the use of different instructions
Activities done to meet the Outcome
: To make students understanding the basic concepts of instruction and data format of 8085 using assembly language programming.
: Conduct Quiz on Instruction set.

Identify different components and their functions on motherboard
Activities done to meet the Outcome
: Students were given familiarisation on the components of motherboard.
: Demonstration videos regarding motherboard posted on google classroom.

Explain the operations of hard disk
Activities done to meet the Outcome
: To make students understanding the operations of hard disk by visual presentation.
: Give training on hard disk drive installation procedure.

Identify the distinguishing features of physical memory, memory modules and memory areas
Activities done to meet the Outcome
: To make students understanding the concept of physical memory and memory modules.
: Group discussion regarding memory areas and expanded memory.

Semester IV

OPERATIONS RESEARCH
Course code: MT1814207
Semester 4

Sl.No	***Expected Course Outcomes***
1	Formulate and model a linear programming
2	Solve L.P.P graphically, simplex method, Big-M-method
3	Solve transportation problem
4	Solve assignment problem
5	Define game
6	Solve payoff matrix without saddle point using different methods
Activities done to meet the outcome: - For attaining Co internal series Test were conducted. Assignments were given.	

Course Name: System Analysis & Software Engineering

Course Code: **CA1814111**

Understand the significance of system analysis, design and development

Activities done to meet the Outcome

- : To make students familiarize in System analysis, design and development using SDLC Model.
- : Group discussion made on information system levels.

Understand the process of system modelling in detail

Activities done to meet the Outcome

- : To make students understanding the various software life cycle models and selecting an appropriate model for a given project.
- : Conduct Quiz on software engineering basic concepts.

Use the engineering techniques of requirement elicitation

Activities done to meet the Outcome

- : Students were given familiarisation on the need of requirements elicitation.
- : Demonstration videos regarding use case , data flow diagram of requirement analysis posted on google classroom.

Understand cost model techniques in software engineering

Activities done to meet the Outcome

- : To make students to estimate the cost of developing a project.
- : Give training on constructive cost model (COCOMO).

Interpret the standardized system design methods in software productions

Activities done to meet the Outcome

- : To make students understanding the importance of design phase.
- : To analyse and design object oriented system with real time simple projects.

Make use of system testing and validation in the development life cycle

Activities done to meet the Outcome

- : To make students understanding the concept of Software testing using simple projects.

- : Group discussion regarding various techniques to design test cases.

Code CA1814113

Title Web Programming Using PHP

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cognitive Level	PSO No.
1	Describe fundamentals of web	U	2,5,7
2	Introduce the creation of static webpage using HTML	U	2,5,7
3	Describe the importance of CSS in web development	U	2,5,7
4	Describe the function of JavaScript as a dynamic webpage creating tool	U	2,5,7
5	Distinguish PHP as a server side programming language	U	2,5,7
6	Outline the principles behind using MySQL as a backend DBMS with PHP	U	2,5,7

Activities done to meet the Outcome

1. Assignment was given to create dynamic web pages.
2. Technical quizzes are conducted.
3. Class Tests are conducted.
4. Peer teaching of additional web development platform is organized.

Code CA1814604

Title Software Lab IV

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cognitive Level	PSO No.
1	Understand the Linux Architecture and command usage	U	2,6
2	Practice shell scripting and essential shell programming	Ap	2,6
3	Use HTML and Java script for web designing	Ap	2,6
4	Write simple programs using the server side scripting language PHP.	Ap	2,4
5	Write programs for MySQL	Ap	2,4
Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E-Evaluate; C-Create			

Activities done to meet the Outcome

1. Dynamic webpages are created in the lab.
2. Technical quizzes are conducted.
3. Class Tests are conducted.
4. Peer teaching of additional web development platform is organized.
5. Simple Web applications are created.

CO1: Describe the basics of algorithms
Activities done to meet the Outcome

- Assignment was given on topic basics of algorithms
- Class test was conducted on basics of algorithms
- Quiz was conducted on basics of algorithms

CO2: Apply the theory of space complexity , time complexity and their notations in problem solving
Activities done to meet the Outcome

- Assignment was given on topic space complexity , time complexity and their notations in problem solving
- Class test was conducted on space complexity , time complexity and their notations in problem solving
- Quiz was conducted on space complexity , time complexity and their notations in problem solving

CO3: Analyse the general strategies and the algorithms based on them
Activities done to meet the Outcome

- Assignment was given on topic general strategies and the algorithms based on them
- Class test was conducted on general strategies and the algorithms based on them
- Quiz was conducted on general strategies and the algorithms based on them
- Problems are solved on different searching and sorting methods

CO4: Explain basic traversals on tree and search methods on graphs
Activities done to meet the Outcome

- Assignment was given on topic basic traversals on tree and search methods on graphs
- Class test was conducted on basic traversals on tree and search methods on graphs
- Quiz was conducted on basic traversals on tree and search methods on graphs
- Problems are solved on different traversals on tree and search methods on graphs

Semester V

Code CA1815116
Title Java Programming using Linux

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cognitive Level	PSO No.
1	Understand platform independent pure object oriented programming paradigm through Java	U	3,4
2	Understand the concepts of packages, multithreading and exception handling for effective programming	U	3,4
3	Apply GUI components in event handling for user friendly program interface	Ap	3,4
4	Use applets in Java for internet programming	Ap	3,4
5	Obtain back-end connectivity using JDBC in Java programming	Ap	3,4
Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E-Evaluate; C-Create			

Activities done to meet the Outcome

1. **Assignments were given to experiment on the theory concept.**
2. **Technical quizzes are conducted.**
3. **Java programming aptitude questions are solved.**
4. **Simple application based on events and JDBC connectivity are done.**
5. **Class tests are conducted.**

Code CA1815605
Title Software Lab V

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cognitive Level	PSO No.
1	Write Java Applet programmes for different problems		
2	Apply the JDBC interface for connecting Java programs with SQL-based databases	Ap	2,4,10
3	Use the Overloading and Overriding methods in developing applications	Ap	2,4,10
4	Develop Programs using class and inputs from keyboard	Ap	2,4,10
5	Familiarize Interface implementation programs	Ap	2,4,10
6	Familiarize Programs through inheritance	Ap	2,4,10
7	Develop Programs using packages	Ap	2,4,10

Activities done to meet the Outcome

1. **Case study-based problems are solved.**
2. **Simple application based on events and JDBC connectivity are done.**
3. **Class tests are conducted.**

Course Name: Computer Networks
Course Code: **CA1815114**

Understand the concepts of signals and OSI layer functions
Activities done to meet the Outcome

- : To make students familiarize in analog & digital signals using graphical tools.
- : Group discussion made on 7 layers of OSI network model

Discuss the process of multiplexing, switching and difference between guided and unguided media in networks
Activities done to meet the Outcome

- : To make students understanding the basic concepts of multiplexing, switching& transmission media using visual presentation.
- : Conduct Quiz on switching techniques.

Describe, analyse and compare a number of data link, network and transport layer protocols

Activities done to meet the Outcome

- : Students were given familiarisation on the pseudocode of various protocols of datalink layer.
- : Group discussion was carried out on network and transport layer.
- : Lecture videos of eminent professors were provided on google classroom.

Have a basic knowledge of the use of cryptography and network security

Activities done to meet the Outcome

- : To make students understanding the concepts of cryptography by giving simple real time example.
- : Conduct quiz on network securities

Course Name: **Computer Fundamentals, Internet & MS Office**
Course Code:**CA1815401**
Semester: 5

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cognitive Level	PSO No.
1	Describe the Fundamentals and Classifications of computers.	U	1
2	Explain the working of internet	U	2,12
3	Outline the salient features of word processing with special reference to Microsoft Word	U	2
4	Discuss the main features and application of Spread Sheet emphasizing Microsoft Excel	U	2
5	Describe the features of Microsoft PowerPoint	U	2
Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E-Evaluate; C-Create			

Activities done to meet the Outcome

Assignment was given, Class test was conducted, Quiz was conducted.

Course Name**: Software Development Lab I(Mini Project)**
Course Code: **CA1815801**
Semester: 5

CO No.	*Expected Course Outcomes* *Upon completion of this course, the students will be able to*:	Cognitive Level	PSO No.
1	Acquire practical knowledge within the chosen area of technology for project development	An	2,3,4,6,10
2	Understand the problems faced during project implementation.	U	2,3,4,6,10
3	Identify, analyze, formulate and handle programming projects with a comprehensive and systematic approach	An	2,3,4,6,10
4	Contribute as an individual or in a team in development of technical projects	C	2,3,4,6,10
5	Develop effective communication skills for presentation of project related activities	C	2,3,4,6,10
6	Enhance the problem solving ability by solving the real-time problems.	C	2,3,4,6,10
Cognitive Level: R-Remember; U-Understanding; Ap-Apply; An-Analyze; E-Evaluate; C-Create			

Activities done to meet the Outcome

- Periodic reviews are conducted for choosing area of project development, analysing the functional units and implementation, corrective measures are given to students.

Semester VI

Course Name: Cloud Computing
Course Code:CA1815117

CO1: Describe fundamental concepts of cloud computing
Activities done to meet the Outcome

- Students were given familiarisation on the basic concepts , structure and design of CLOUD
- Group discussion regarding application of cloud.
- Assignment on cloud application
- Class test was conducted

CO2: Distinguish parallel and distributed computing

- Assignment on cloud application
- Class test was conducted
- Quiz was conducted on parallel and distributed computing

CO3: Describe virtualization
Activities done to meet the Outcome

- Assignment on virtualization
- Class test was conducted virtualization
- Quiz was conducted on virtualization

CO4: Explain cloud computing architecture
Activities done to meet the Outcome

- Assignment was given on topic cloud architecture
- Class test was conducted on cloud architecture
- Quiz was conducted on cloud architecture

CO5: Describe Cloud Application Platform – Aneka
Activities done to meet the Outcome

- Assignment was given on topic Cloud Application Platform – Aneka
- Class test was conducted on Cloud Application Platform – Aneka
- Quiz was conducted on Cloud Application Platform – Aneka

CO6: Explain how cloud computing technologies are used to integrate and extend existing industrial applications.
Activities done to meet the Outcome

- Assignment was given on topic technologies are used to integrate and extend existing industrial applications.
- Class test was conducted on technologies are used to integrate and extend existing industrial applications.
- Quiz was conducted on technologies are used to integrate and extend existing industrial applications.

CA1815118: Mobile Application Development – Android

.	*Course Outcomes*
1	Understand the concepts of Android platform and thereby Android Virtual Devices.
2	Explain how User Interfaceis designed using different tools
3	Understand the Android Activity Life Cycle and its applications

4	Describe the multimedia using the combination of interactive content-Audio, Video and Text.
5	Understand creation, connection and manipulation of SQLite database in android
6	Explain XML and JSON, both of which are commonly used with API to pass data back and forth between software programs

Activities done to meet the Outcome

- Students are given various programs to work out using android OS
- Students are given assignments for familiarizing the life cycles of OS

(Describe the different course delivery methods/ modes, e. g. lectures interspersed with discussion, asynchronous mode of interaction, group discussion projects etc., used to deliver the courses and justify the effectiveness of these methods for the attainment of PSOs. This may be further justified using the indirect assessment methods such as course-end surveys.)

Following are the Course Delivery Methods used in our department:

Lectures

Tutorials

Presentation(Still and Video)

Experimental Laboratory Work

Group tasks (Projects)

Handouts

60.2.3. Indicate the extent to which the laboratory and project course work are contributing towards the attainment of the PSOs

(Justify the balance between theory and practical for the attainment of PSOs. Justify how the various project works (a sample of 20% best and average projects from total projects) carried as part of the programme curriculum contribute towards the attainment of the PSOs.)

60.3. ..... Assessment of the Attainment of Program Specific Outcomes

60.3.1. Describe assessment tools and processes used for assessing the attainment of each PSO

(Describe the assessment process that periodically documents and demonstrates the degree to which the PSOs are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each the PO is based. Examples of data collection processes may include, but are not limited to, specific exam questions, student portfolios, internally developed assessment exams, senior project presentations, nationally-normed exams, oral exams,

focus groups, industrial advisory committee; the frequency with which these assessment processes are carried out.)

60.3.2. Indicate results of assessment of each PSOs

a) The expected level of attainment for each of the program outcomes;

b) Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the programme outcomes are attained; and

c) How the results are documented and maintained.

60.4. ..... Use of Assessment results towards improvement of programme

(Articulate, with rationale, how the results of the evaluation of the PSOs have been used to review/redefine the PSOs)

61. Program Curriculum

61.1. ..... Curriculum

61.1.1. Describe the Structure of the Curriculum

Sl.	Coursetype	No. ofcourses	Total credits
1	CommoncourseI-English	2	8
2	Core	18	67
3	CorePractical	6	12
4	ComplementaryI	3	12
5	ComplementaryII	2	8
6	Opencourse	1	3
7	ChoiceBasedCourse-Elective	1	4
8	Projectwork	2	5
9	Viva	1	1
Total		**36**	**120**

PROGRAMMESTRUCTURE–BCA
(Categorywise)

COMMONCOURSES

CourseCode	TitleoftheCourse	CourseCategory	Hours/ week	Total hours	Credits

SEMESTERI					
EN1811501	Fine-tuneYourEnglish	CommonI–English1	5	90	4
CA1811101	ComputerFundamentalsand DigitalPrinciples	Core1	4	72	4
CA1811102	MethodologyofProgramming andCLanguage	Core2	4	72	3
CA1811601	SoftwareLab I	CorePractical 1	4	72	2
MT1811202	DiscreteMathematics–I	ComplementaryI–Mathematics1	4	72	4
ST1811202	Basic Statistics and IntroductoryProbabilityTheory	ComplementaryII Statistics1	4	72	4
		Total	**25**	**450**	**21**
SEMESTERII					
EN1812503	IssuesthatMatter	CommonI–English-2	5	90	4
CA1812103	DataBaseManagementSystems	Core3	4	72	3
CA1812104	ComputerOrganizationand Architecture	Core4	4	72	4
CA1812105	Objectorientedprogramming usingC++	Core5	3	54	4
CA1812602	SoftwareLab- II	CorePractical 2	5	90	2
MT1812204	DiscreteMathematics-II	ComplementaryI–Mathematics2	4	72	4
		Total	**25**	**450**	**21**
SEMESTERIII					
CA1813106	ComputerGraphics	Core6	4	72	4
CA1813107	MicroprocessorandPCHardware	Core7	3	54	4
CA1813108	OperatingSystems	Core8	4	72	4

CA1813109	DataStructureusingC++	Core9	4	72	3
CA1813603	SoftwareLab III	CorePractical 3	6	108	2
ST1812204	AdvancedStatisticalMethods	ComplementaryII Statistics2	4	72	4
		Total	**25**	**450**	**21**
SEMESTERIV					
CA1814110	DesignandAnalysisof Algorithms	Core10	4	72	4
CA1814111	SystemAnalysis&Software Engineering	Core11	4	72	4
CA1814112	LinuxAdministration	Core12	4	72	4
CA1814113	WebProgrammingusingPHP	Core13	3	72	3
CA1814604	SoftwareLabIV	CorePractical 4	6	108	2
MT1814207	OperationalResearch	ComplementaryI –Mathematics3	4	73	4
		Total	**25**	**450**	**21**
SEMESTERV					
CA1815114	ComputerNetworks	Core14	3	54	4
CA1815115	IT,EnvironmentandHuman Rights	Core15	4	72	4
CA1815116	JavaProgrammingusingLinux	Core16	3	54	4
CA1815401	ComputerFundamentals,Internet &MSOffice	OpenCourse	4	72	3
CA1815605	SoftwareLabV	CorePractical 5	5	90	2
CA1815801	SoftwareDevelopmentLabI (MiniProject)	Projectwork1	6	108	2
		Total	**25**	**450**	**19**
SEMESTERVI					
CA1816117	CloudComputing	Core17	4	72	4
CA1816118	MobileApplicationdevelopment-Android	Core18	4	72	4
CA1816606	SoftwareLabVI&Seminar	CorePractical 6	6	108	2
CA1816802	SoftwareDevelopmentLabII (MainProject)	Projectwork2	7	126	3
CA1816301	DataMining	Elective	4	72	4
CA1816901	VivaVoce	Viva	-		1
		Total	**25**	**450**	**18**

CORECOURSES

Sl.No	CourseName	Credit	Hrs/W	Semester
1	Computer FundamentalsandDigital Principles	4	4	I
2	MethodologyofProgrammingandC Language	3	4	1

3	DataBaseManagementSystems	3	4	II
4	ComputerOrganizationand Architecture	4	4	II
5	ObjectorientedprogrammingusingC++	4	3	II
6	ComputerGraphics	4	4	III
7	MicroprocessorandPCHardware	4	3	III
8	OperatingSystem	4	4	III
9	DataStructures usingC++	3	4	III
10	DesignandAnalysisofAlgorithms	4	4	IV
11	SystemAnalysis&Software Engineering	4	4	IV
12	LinuxAdministration	4	4	IV
13	WebProgrammingUsingPHP	3	3	IV
14	ComputerNetworks	4	3	V
15	IT,EnvironmentandHumanRights	4	4	V
16	JavaProgrammingusingLinux	3	3	V
17	SoftwareDevelopmentLab–I (MiniProject)	2	6	V
18	CloudComputing	4	4	VI
19	MobileApplicationDevelopment–Android	4	4	VI
21	SoftwareDevelopmentLabII (MainProject)	3	7	VI
22	VIVAVOCE	1	-	VI
Total		**67**	80	

CORE PRACTICALCOURSES

Sl.No	CourseName	Credit	Hrs/W	Semester
1	SoftwareLabI	2	2	1
2	SoftwareLabII	2	2	2
3	SoftwareLabIII	2	2	3
4	SoftwareLabIV	2	2	4
5	SoftwareLabV	2	2	5
6	SoftwareLabVI&Seminar	2	2	5
Total		**12**		

COMPLEMENTARYCOURSES

Sl.No	CourseName	Credit	Hrs/W	Semester
1	DiscreteMathematics–I	4	4	I

2	BasicStatisticsandIntroductoryProbabilityTheory	4	4	I
3	DiscreteMathematics-II	4	4	II
4	AdvancedStatisticalMethods	4	4	III
5	OperationalResearch	4	4	IV
Total		**20**	**20**	

OPENCOURSE-CHOICEBASED

Sl.No	**CourseName**	**Credit**	**Hrs/Wk**	**Semester**
1	ComputerFundamentals,Internet&MSOffice	**3**	4	V
	Total	3	4	

CHOICEBASEDCOURSE(ELECTIVE)

Sl.No	CourseName	Credit	Hrs/Wk	Semester
1	DataMining	4	4	6

COMMONCOURSE

Sl.No	CourseName	Credit	Hrs/Wk	Semester
1	EnglishI-Fine-tuneYourEnglish	**4**	5	I
2	EnglishII-Issuesthatmatter	**4**	5	II

(List the course outcomes of the courses in programme curriculum and programme specific outcomes of the programme under accreditation)

61.1.2. Justify how the program curriculum satisfies the program specific outcomes

61.2..... S

tate components of Curriculum and their relevance to PSOs and POs

(Program curriculum grouping based on different components).

61.3..... S

tate Core subjects and their relevance to Program outcomes

61.4. Course Syllabus

(Include, in appendix, a syllabus for each course used. Syllabi format should be consistent and shouldn't exceed two pages.)

The syllabi format may include:

- Department, course number, and title of course
- Designation as a required or elective course
- Pre-requisites
- Contact hours and type of course (lecture, tutorial, seminar, project etc.)
- Course Assessment methods (both continuous and semester end assessment)
- Course outcomes
- Text books, and/or reference material

61.5..... I

llustrate the measures and processes used to identify the curricular gaps to the attainment of the COs/PSOswith global relevance for developmental needs.

Organizing curriculum that reflects the experience of the students

(Details of the processes used to curricular gaps to the attainment of defined course outcomes and programme).

61.5.1. Syllabi revision –No: of programs added/dropped year wise.

Year of Introduction of the programme	If revision has been carried out in the syllabus during last 5 years	Year of revision	Title and code of the course added	Title and code of the course dropped	Percentage of Syllabus content added or replaced	Link of the relevant document
BCA- 2014		2017	1.Computer Fundamentals and Digital Principles 2. Data Structure using C++ 3. Linux Administration 4. Web Programming using PHP 5. IT, Environment and Human Rights 6. Java Programming using Linux 7. Computer Fundamentals, Internet & MS Office 8. Cloud Computing 9. Mobile Application development-Android	1- Fundamentals of DigitalSystems 2- Accounting&ProgrammminginCobol 3- VisualProgrammingTechniques 4- VisualProgrammingTechniques Internet,Web-Programming6-WebTechnology	28%	

(Link of relevant document, Academic Council meeting minutes)

61.6. Vertical mobility of programmes

(Explain how and when mobility windows are provided during the course of a programme, how the students benefited the vertical mobility of programmes, what are the challenges and limitations etc.)

61.7. Indicate the content beyond syllabus imparted for the attainment of the COs/PSOs

(Details of content beyond syllabus imparted for the attainment of the COs/PSOs. This information may be provided course wise or modular wise)

61.8. Percentage of courses having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations for the last 5 years

Note: Calculate the percentage for courses addressing each issue separately.

61.8.1. UG programme[$]

$$\text{Percentage} = 2.77\frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$$

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations
BCA	IT, Environment and Human rights		Students are asked to visit a nearby locality and identify the environmental problems faced by the inmates.

[$] If there are more than one UG programme in a department, provide the data and the percentage for them separately.

61.8.2. PG Programme[$$]

Formula:

$$\text{Percentage} = \text{NA}\frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$$

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations
	119		

[$$] If there are more than one PG programme in a department, provide the data and the

percentage for them separately.

61.9..... New courses introduced:Certificate/Diploma, Twinning/Dual Degree Programme, Double Main/Triple Main, Open Courses, etc.

Name of the course	Year of Introduction	Aided/ Self-financing	Relevance to PSO and POs
Open Course:Internet, WebDesigning and Cyber Laws	2014	Self-financing	PSO–6 PO -1
PG Diploma in Data science	2020	Aided	

(Documents of course approval or tie up if any,Minutes of AC/BOS)

61.10. Number of programmes withCBCS/elective course system implementedyear wise

Name of the programme	Title and code of the elective course	Number of hours and credit of the course	Relevance to POs and PSOs.
BCA	DataMining	4hoursper week Credit:4	

(Minutes of the BOS)

61.11. Number of value-added courses (with 30 or more contact hours) imparting transferable and life skills offered & percentage of students enrolled in those courses during the previous academic year

Formula:

$$\text{Percentage of students enrolled in value added courses} = \frac{\text{Number of students enrolled in the courses in the last 3 years}}{\text{Total number of courses in all programmes}} \times 100$$

Year - 2019-20				
Name of the value added courses (with 30 or more contact hours)offered during last 5 years	**Course Code**	**No. of times offered during the same year**	**Number of students enrolled in the year**	**Number of Students completing the course in the year**
ICT Fundamentals	**CA170003**	**1**	**32**	**32**
Python Programming	**CA170002**	**1**	**33**	**33**
Python for IOT	**CA170001**	**1**	**30**	**30**

61.12. Employability/ entrepreneurship / skill development

61.12.1. Percentage of courses in UG programme having focus on employability / entrepreneurship / skill development for the last 3 years¶

Percentage = 69.4

Number of courses with focus on employability / entrepreneurship / skill development / Total number of courses in the UG programme $\times 100$

Name of the Program	Name of the Course	Year of introduction	Year of discontinuation	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development
BCA	Methodology of Programming and Programming in C CA1911102	2014		Students are given 4 hrs lab sessions per week to attain proficiency with programming languages
	Software Lab I (C Lab) CA1911601	2014		Students are given 4 hrs lab sessions per week to attain proficiency with programming languages
	Data Structures using C++ CA1913109	2018		Giving exercises to students that enrich knowledge in adopting apt way of storing the data for various applications.
	Software Lab III (DS lab) CA1913603	2018		Giving exercises to students that enrich knolwedge in adopting apt way of storing the data for various applications.
	Computer Organization and Architecture CA1912104	119 2014		Giving exercises to students to improve skills to design computers.

	Design and Anaysis of Algorithm CA1914110	2014		Discussions involving comparisons of variousalgorithms to design efficient algorithm
	Computer Graphics CA1913106	2014		Exercises are given to students to acquire skill in animation and multimedia
	Object Oriented Parogramming using C++ CA1912105	2014		Students are given 4 hrs lab sessions per week to attain proficiency with programming languages
	Software Lab II (C++ Lab) CA1912602	2014		Students are given 4 hrs lab sessions per week to attain proficiency with programming languages
	Microprocessor and PC Hardware CA1913107	2014		Exercises are given to acquire skill to work as Service Engineer
	System Analysis and Software Engineering CA1914111	2018		Exercises are given to obtain knowledge for designing a good system and enable students to become software developer/analyst
	Database Management SystemCA1912103	2014		Students are trained in database design and normalization techniques which helps to secure jobs in IT companies
	Cloud Computing CA1916117	2018		Exercises are given to acquire knowledge on various cloud computing and its service.
	Software Lab V (Java Lab) CA1915605	119 2018		Students are trained to develop Java Applications – can be employed as Application

				Developer
	Java Programming using Linux CA1915116	2018		Students are trained to develop Java Applications – can be employed as Application Developer
	Operating Systems CA1913108	2014		Exercises are given to acquire basic knowledge of Operating system and its functions
	Computer Networks CA1915114	2014		Exercises are given to acquire good knowledge about networking devices and to excel as network administartor/Technician
	Software Lab IV CA1914604	2014		Students are trained in database and GUI design and normalization techniques which helps to secure jobs in IT companies
	Mobile Application Development-Android CA1916118	2018		Students are trained to develop mobile applications
	Data Mining CA1916301	2018		Exercises are given to students to acquire knowledge about mining useful information and pattern from data
	Main Project CA1916802	2014		Studenta are trained to create small web applications
	Software Lab VI & Seminar CA1916606	2014		Students are asked to present a topic based on recent technology to acquire knowledge on current IT trend and improve their presentation skill
	Linux Administartion CA1914112	119 2018		Students are given lab sessions to acquire a detailed understanding of the

				Linux kernel
	Web Programming using PHP CA1914113	2018		Students are trained to create small web pages and blogs
	Mini Project CA1915801	2014		Studenta are trained to create small web applications

¶ If there are more than one UG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

61.12.2. Percentage of courses in PG programme having focus on employability / entrepreneurship / skill development for the last 3 years¶

Formula:

Percentage = NA

Number of courses with focus on employability / entrepreneurship / skill development / Total number of courses in the UG programme × 100

Name of the Program	Name of the Course	Year of introduction	Year of discontinuation	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development

¶ If there are more than one PG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

61.13. Industry interaction/internship

(Give the details of industry involvement in the program such as industry attached laboratories and partial delivery of courses and internship opportunities for students).

61.13.1. Percentage of UG students undertaking field projects/internships in other institutions

Formula:

$$\frac{\text{Number of UG students undertaking field projects or internships}}{\text{Total number of UG students}} \times 100$$

2019-20

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out
5th	AKSHYA RAJIVE	**7**	30	Aester India Private Limited, Ernakulam
5th	ANJU BALACHANDRAN			Aester India Private Limited
5th	AMINA K M			Aester India Private Limited
5th	PARVATHY PRADEEP			Aester India Private Limited
5th	ROBIN CHERIAN MATHEW			Aester India Private Limited
5th	SREEJITH P S			Aester India Private Limited
5th	VISHAL M NAIR			Aester India Private Limited

Percentage: 23.33

2020-21

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out
4th	**GAWTHAM R**	**2**	**34**	**KaaShiv(Online)**
	SNEHA SAJI MATHEW			**(Gurugram)Online**

Percentage:6.06

61.13.2. Percentage of PG students undertaking field projects/internships in other institutions

Formula:

$$\frac{\text{Number of PG students undertaking field projects or internships}}{\text{Total number of PG students}} \times 100$$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out

62. Result andStudents Performance

62.1..... S

uccess Rate (Result)

Formula:

Pass percentage = $\frac{\text{Total number of students who passed the course examination in a year}}{\text{Total number of students appeared for the course examination in a year}} \times 100$

UG Main Courses

2020-21

Semester	Course title and code		Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
						S	A+	A	B+	B	C	D	E	F
I														
II														
III	CA1813106	Computer Graphics	32	29			4	3	9	6	4	3		3
	CA1813107	Microprocessor and PC Hardware	32	30			4	8	5	5	7	1		2
	CA1813108	Operating Systems	32	25			5	3	2	5	6	4		7
	CA1813109	Data Structure using C++	32	30			12	4	4	3	4	3		2
	CA1813603	Software Lab III	32	31		10	18	2	1					1
	ST1813205	Advanced Statistical Methods	32	24		5	7	3	3	1	3	2		8
IV														
V	CA1815114	COMPUTER NETWORKS	33	28			2	6	8	6	3	3		2
	CA1815115	IT, ENVIRONMENT AND HUMAN	33	31			6	8	12	4	1			2

		RIGHTS												
	CA1815116	**JAVA PROGRAMMING USING LINUX**	33	26		1	4	6	8	4	2	1		7
	CA1815605	**SOFTWARE LAB - V**	33	33		20	7	2	4					
	CA1815801	**SOFTWARE DEVELOPMENT LAB - I**	33	33		4	21	4	4					
VI	**CA1816901**	**VIVA VOCE**	33	33		2	2	9	19	1				
	CA1816117	**CLOUD COMPUTING**	33	30			1	5	4	13	4	3		3
	CA1816118	**MOBILE APPLICATION DEVELOPMENT - ANDROID**	33	28				4	4	8	9	3		5
	CA1816301	**DATA MINING**	33	28				4	4	8	9	3		3
	CA1816606	**SOFTWARE LAB - VI AND SEMINAR**	33	33		8	20	5						
	CA1816802	**SOFTWARE DEVELOPMENT LAB - II (MAIN PROJECT)**	33	33		7	19	7						

2019-20

Semester	**Course title and code**		**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**	**Number of students with grade**								
						S	**A+**	**A**	**B+**	**B**	**C**	**D**	**E**	**F**
I	**CA1811101**	**Computer Fundementals and Digital Principles**	32	28				7	4	8	9			4

	CA1811102	**Methodology of Programming and C Language**	32	29		1	9	1	4	6	4	4		3
	CA1811601	**Software Lab I**	32	32		12	10	7	3					
	EN1811501	**Fine-tune Your English**	32	32				7	8	12	5			
	MT1811202	**Discrete Mathematics I**	32	32			6	6	7	7	5	1		
	ST1811202	**Basic Statistics and Introductory Probability Theory**	32	30		3	5	4	3	8	5	2		2
II	**CA1812103**	**Database Management Systems**	32	32		3	7	9	5	4	3	1		
	CA1812104	**Computer Organization and Architecture**	32				7	5	4	5	6	3		2
	CA1812105	**Object Oriented Programming using C++**	32	28			2	11	2	4	3	6		4
	CA1812602	**Software Lab II**	32	31		12	9	5	5					1
	EN1812503	**Issues that Matter**	32	29				2	5	9	10	3		3
	MT1812204	**Discrete Mathematics II**	32	30		3	9	6	5	5	1	1		2
III	**CA1813106**	**COMPUTER GRAPHICS**	33	29			2	1	7	11	5	3		4
	CA1813107	**MICROPROCESSOR**	32	119		1	2	5	9	7	3	3		2

		AND PC HARDWARE												
	CA1813108	**OPERATING SYSTEMS**	32	28			3	6	10	4	1	4		4
	CA1813109	**DATA STRUCTURES USING C++**	32	28			3	4	8	9	3	1		4
	CA1813603	**SOFTWARE LAB - III**	33	33		8	12	5	3	3	2			
	ST1813205	**ADVANCED STATISTICAL METHODS**	32	29		2	3	2	5	7	6	4		3
IV	**CA1814604**	**SOFTWARE LAB - IV**	33	33		14	5	7	3	1	3			
	MT1814207	**OPERATION RESEARCH**	33	31		1	8	12	2	2	4	2		2
	CA1814110	**DESIGN AND ANALYSIS OF ALGORITHM**	33	29			4	5	5	7	4	4		4
	CA1814111	**SYSTEM ANALYSIS AND SOFTWARE ENGINEERING**	33	18					3	4	9	2		15
	CA1814112	**LINUX ADMINISTRATION**	33	26			1	5	5	5	7	3		7
	CA1814113	**WEB PROGRAMMIN**	33	22				3	6	8	4	1		1

		G USING PHP												1
V	**CA1715114**	**COMPUTER NETWORKS**	30	28				2	7	5	9	5		2
	CA1715115	**IT AND ENVIRONMENT**	30	30			2	2	10	12	3	1		
	CA1715116	**JAVA PROGRAMMING USING LINUX**	30	29		2	6	12	4	3		2		1
	CA1715605	**SOFTWARE LAB - V**	30	30		3	3	8	5	9	2			
	CA1715801	**SOFTWARE DEVELOPMENT LAB - I (MINI PROJECT)**	30	30			6	8	14	2				
VI	**CA1716117**	**CLOUD COMPUTING**	30	28			2	6	7	6	6	1		2
	CA1716118	**MOBILE APPLICATION DEVELOPMENT - ANDROID**	30	30			3	7	7	6	5	2		
	CA1716301	**DATA MINING**	30	26			2	1	7	5	6	5		4
	CA1716606	**SOFTWARE LAB - VI AND SEMINAR**	30	30			13	8	4	4	1			
	CA1716802	**SOFTWARE DEVEL**	30	30		9	6	12	2	1				

		OPMENT LAB - II (MAIN PROJECT)												
	CA1716901	**VIVA VOCE**	30	30		1	9	11	4	5				

2018-19

Semester	**Course title and code**		**Number of students appeared for the course examination**	**Number of students passed the course examination**	**Pass percentage**	**Number of students with grade**								
						S	**A+**	**A**	**B+**	**B**	**C**	**D**	**E**	**F**
I	EN1811501	Fine-tune Your English	34	27					1	7	9	10		7
	CA1811101	Computer Fundamentals and Digital Principles	34	27			3	3	7	10	3	1		7
	CA1811102	Methodology of Programming and C Language	34	32		1	7	9	4	3	4	4		2
	CA1811601	Software Lab I	34	33		8	14	9	1	1				1
	MT1811202	Discrete Mathematics –I	34	30			6	4	7	7	4	2		4
	ST1811202	Basic Statistics and Introductory Probability Theory	34	31			6	5	6	1	8	5		3

II	**CA1812103**	**DATABASE MANAGEMENT SYSTEMS**	33	30			2	5	11	5	3	4		3
	CA1812104	**COMPUTER ORGANIZATION AND ARCHITECTURE**	33	27				1	1	6	11	8		6
	CA1812105	**OBJECT ORIENTED PROGRAMMING USING C++**	33	30			5	3	5	8	6	3		3
	CA1812602	**SOFTWARE LAB - II**	33	33		7	9	3	7	5	1	1		
	EN1812503	**ISSUES THAT MATTER**	33	20				1		4	7	8		13
	MT1812204	**DISCRETE MATHEMATICS - II**	33	32			3	8	9	2	6	4		1
III	**CA1713106**	**COMPUTER GRAPHICS**	30	26				4	5	5	6	6		4
	CA1713107	**MICROPROCESSORS AND PC HARDWARE**	30	27			1	3	9	6	5	3		3
	CA1713108	**OPERATING SYSTEMS**	30	26			3	5	3	9	3	3		4
	CA1713109	**DATA STRUCTURES USING C++**	30	24			2	3	7	7	4	1		6
	CA1713603	**SOFTWARE LAB III**	30	30		4	6	11	5	3	1			
	ST1713205	**ADVANCED STATISTICAL METHODS**	30	24		1		3	5	7	4	4		6
IV	**CA1714604**	**SOFTWARE LAB - IV**	30	30		10	11	4	3	2				
	MT1714207	**OPERATION RESEARCH**	30	28		3	3	10	7	3	2			2

	CA1714110	**DESIGN AND ANALYSIS OF ALGORITHM**	30	28		1	3	4	8	4	7	1		2
	CA1714111	**SYSTEM ANALYSIS AND SOFTWARE ENGINEERING**	30	29			1	1	5	9	6	7		1
	CA1714112	**LINUX ADMINISTRATION**	30	28			1	3	11	8	3	2		2
	CA1714113	**WEB PROGRAMMING USING PHP**	30	27			3	4	9	5	4	2		3
V	CA15123	COMPUTER NETWORKS	30	27			1	6		5	8	4	3	3
	CA15123	OPERATING SYSTEMS	30	27				6		6	5	5	5	3
	CA15124	JAVA PROGRAMMING	30	27			2	6		6	8	3	2	3
	CA15126	SOFTWARE LAB V	30	30			13	6		3	5	3		
	CA15127	SOFTWARE DEVELOPMENT LAB I	30	30			2	11		9	5	3		
VI	CA16128	WEB TECHNOLOGY	30	26				6		7	5	4	4	4
	CA18129	SOFTWARE ENGINEERING	30	28				2		5	9	10	2	2
	CA16131	SEMINAR	30	30			10	16		4				
	CA16132	SOFTWARE		30				5		13	10	2		

		DEVELOPMENT LAB II	30											
	CA16133	VIVA	30	30							11	11	8	
	CA16330	LINUX OPERATING SYSTEM	30	27				7		9	9	2		3

UG Subsidiary Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

UG Open Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

UG Common Courses

Semester	Course title and	Number of students	Number of students	Pass percentage	Number of students with grade

	code	appeared for the course examination	passed the course examination		A	B	C	D	E	F

UG Additional Language Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

PG Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

62.2..... Academic Performance

62.2.1. Percentage of students qualifying state/ national/ international level examinations during the last 3 years (eg: NET/SLET/ GATE/ GMAT/ CAT/

GRE/ TOEFL/ Civil Services/State government examinations/ other examination)

Formula:

Percentage =

$$\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students who have appeared for the exam}} \times 100$$

Academic year:

Registration number/roll number for the exam	Number of students selected/ qualifying								
	NET	**SLET**	**GATE**	**GMAT**	**CAT**	**GRE**	**TOFEL**	**Civil Services**	**State government examinations**

62.3..... P

lacement and Higher Studies

62.3.1. Percentage of placement of outgoing students from UG programme during the last 3 years[$$]

Formula:

Percentage =

$$\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$$

2016-19 Batch

Number of students placed	Name of the employer with contact details	Package received
ABHIRAMI MANOJ	CTS	17687 per month
ABISHEK S	INFOSYS	18581 per month
AKSHITHA V	INFOSYS	12000 per month
ANAND V	WIPRO	15712 per

BALAGOPALAN		month
ARCHANA SAILESWARAN	INFOSYS	18581 per month
ARYA SABU	INFOSYS	18581 per month
ASHLY ANN MATHEW	INFOSYS	18581 per month
BONY DOMINIC	SUTHERLAND	15731 per month
JAINY MERRY JAISON	INFOSYS	18581 per month
JILU VARGHESE	INFOSYS	18581 per month
MEGHA BIJU	INFOSYS	18581 per month
NAVANEETH R	INFOSYS	18581 per month
NAVEEN V B	WIPRO	15712 per month
RIYA ROY	CTS	17687 per month

[$$] If the department offers more than one UG programme, provide the data and the percentage for each programme

Percentage: 46.66

2017-20 Batch

Number of students placed	**Name of the employer with contact details**	**Package received**
Aiswarya Baiju	INFOSYS	**18581 per month**
Aravind K.O	INFOSYS	**18582 per month**
Johnson P Sabu	INFOSYS	**19042**
Akshya Rajive	ENVESTNET YODLEE	**23800 per month**
Abhijit S	ENVESTNET YODLEE	**23800 per month**
Richu Fathima	INFOSYS	**18582 per month**
Parvathy Pradeep	CTS	**21000 per month**
Firoz Nazar	TCS	**20000**

Percentage: 26.66

2018-21 Batch

Number of students placed	Name of the employer with contact details	Package received
ALVIN MATHEW	Envestnet Yodlee	**2,85,710 per annum**
ASHISH MANU MANI	Envestnet Yodlee	**2,85,711 per annum**
SANJU SUNNY	EY	**1,74,000 per annum**
SIVAPRIYA P S	Infosys	**2,22,972 per annum**
ARJUN ASOKLAL	Deloitte	**3,25,008 per annum**
EBEN ABRAHAM JACOB	Infosys	**2,22,974 per annum**
GOKULKRISHNA N G	Infosys	**2,22,975 per annum**
ANANDU B NAIR	Infosys	**2,22,976 per annum**

Percentage: 24.24

62.3.2. Percentage of student progression from UG programme to higher education, i.e. UG to PG (previous graduating batch)[##]

Formula: $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Batch	Name of the student	Name of the college	Name of the programme admitted to	Percentage
2016-19	ARUN S	Amal Jyothi Engineering College, Kanjirappally	MCA	**16.666**
	JOEL P JACOB	Union Christian College, Aluva	MCA	
	AKARSH	Saintgits College of Engineering,Pathamuttom	MCA	
	BONY DOMNIC	Union Christian College, Aluva	MCA	
	GABRIEL BENNY MATHEW	Saintgits College of Engineering,Pathamuttom	MCA	
2017-20	ANJU BALACHANDRAN	Rajagiri College of Social Science,Kalamacherry	MCA	33.333
	BAGYALAKSHMI	St.Joeseph College of Engineering and Technology,Palai	MBA	
	PREETHI S KURUVILLA	Saintgits College of Engineering,Pathamuttom	MCA	
	ANJALI K M	Mangalam College of Engineering,Ettumanoor	MBA	
	AMRUTHA	Mangalam College of Engineering,Ettumanoor	MBA	
	ANN MARIYA	Marian College, Kuttikanam	MCA	
	ROBIN	Marian College, Kuttikanam	MCA	

	VISHAL S NAIR	Marian College, Kuttikanam	MCA	
	LINNET OLIVER	School of Technology and Applied Science,Pullarikunnu	MCA	
	KEZIYA BARNABAS	School of Technology and Applied Science,Pullarikunnu	MCA	
2018-21	JESLIN P VARGHEESE	Rajagiri College of Social Sciences, Kalamaserry	MCA	6.06
	REMIN JACOB PHILIP	Saintgits College of Engineering, kottayam	MCA	

[##]If the department offers more than one UG programme, provide the data and the percentage for each programme

62.3.3. Percentage of placement of outgoing students from PG programme during the last 3 years[$$]

Formula:

Percentage $= \frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$

Number of students placed	**Name of the employer with contact details**	**Package received**

[$$] If the department offers more than one PG programme, provide the data and the percentage for each programme

62.3.4. Percentage of student progression from PG programme to higher education , i.e. PG to M.Phil./PhD (previous graduating batch)[##]

Formula: $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Name of program graduated from	**Number of students enrolling into higher education**	**Name of institution joined**	**Name of program admitted to**

[##]If the department offers more than one PG programme, provide the data and the percentage for each programme

62.4. Extra-curricular Activities

(Instruction: Student support system concerned may provide data for the past five years)

62.4.1. Number of students participated in sports at intercollegiate / University / state/ national / international level during the last 3 years

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number
Kabadi	AravindP.	**University**	
Chess	GabrielBenny Mathai	SouthZoneNational	**319927621278**
Commonwealth Chess Championship	GabrielBenny Mathai	International	**319927621278**
Soft ball	**Vignesh Vijay**	**University**	**968877760594**
25M standard Pistol	**Gopikrishnan G**	**state**	

62.4.2. Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number

62.4.3. Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 3 years

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number

62.4.4. Number of awards/medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number

62.4.5. Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years

Formula:

Percentage = $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$

Name of the activity	Name of the student	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities	Total number of students
Cleanliness Campaign	SHINU MATHAI KALARICKAL ROBIN CHERIAN MATHEW SIDHARTHAN K.S AMAL S VAYATTATTIL	**NCC**	**4**	**94**
Paper bag and pen making	AKSHAY KUMAR V V AKSHAY KURIAN ANJANA ARJUN ABDULLAH CYRIAC J THARAYIL MOHAMMED NABHAN PM VANI C NAIR SREEHARI S ANAGHA K VYSHNAVI M ADITHYA AJI AJINA K JIJI ASHISH MANU MANI SAM SREEHARI T EBEN ABRAHAM JACOB	**NSS**	**15**	
Plastic collection drive	AKSHAY KUMAR V V AKSHAY KURIAN ANJANA ARJUN ABDULLAH CYRIAC J THARAYIL MOHAMMED NABHAN PM VANI C NAIR SREEHARI S ANAGHA K VYSHNAVI M ADITHYA AJI AJINA K JIJI ASHISH MANU MANI	**NSS**	**15**	

	SAM SREEHARI T			
	EBEN ABRAHAM JACOB			
Seasonal disease and improper disposal of waste	AKSHAY KUMAR V V	**NSS**	**9**	
	AKSHAY KURIAN			
	ANJANA ARJUN			
	ABDULLAH			
	CYRIAC J THARAYIL			
	MOHAMMED NABHAN PM			
	VANI C NAIR			
	SREEHARI S			
	ASHISH MANU MANI			
Biodiversity park and herbal garden	AKSHAY KUMAR V V	**NSS**	9	
	AKSHAY KURIAN			
	ANJANA ARJUN			
	ABDULLAH			
	CYRIAC J THARAYIL			
	MOHAMMED NABHAN PM			
	VANI C NAIR			
	SREEHARI S			
	VYSHNAVI M			

62.4.6. Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3 years

Formula:

Percentage = $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$

Name of the activity	Name of the student	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities	Total number of students
Cleanliness Campaign	SHINU MATHAI KALARICKAL	**NCC**	**4**	**94**
	ROBIN CHERIAN MATHEW			
	SIDHARTHAN K.S			
	AMAL S VAYATTATTIL			
Paper bag and pen making	AKSHAY KUMAR V V	**NSS**	**15**	
	AKSHAY KURIAN			
	ANJANA ARJUN			
	ABDULLAH			
	CYRIAC J			

	THARAYIL			
	MOHAMMED NABHAN PM			
	VANI C NAIR			
	SREEHARI S			
	ANAGHA K			
	VYSHNAVI M			
	ADITHYA AJI			
	AJINA K JIJI			
	ASHISH MANU MANI			
	SAM SREEHARI T			
	EBEN ABRAHAM JACOB			
Plastic collection drive	AKSHAY KUMAR V V	**NSS**	**15**	
	AKSHAY KURIAN			
	ANJANA ARJUN			
	ABDULLAH			
	CYRIAC J THARAYIL			
	MOHAMMED NABHAN PM			
	VANI C NAIR			
	SREEHARI S			
	ANAGHA K			
	VYSHNAVI M			
	ADITHYA AJI			
	AJINA K JIJI			
	ASHISH MANU MANI			
	SAM SREEHARI T			
	EBEN ABRAHAM JACOB			
Seasonal disease and improper disposal of waste	AKSHAY KUMAR V V	**NSS**	**9**	
	AKSHAY KURIAN			
	ANJANA ARJUN			
	ABDULLAH			
	CYRIAC J THARAYIL			
	MOHAMMED NABHAN PM			
	VANI C NAIR			
	SREEHARI S			
	ASHISH MANU MANI			
Biodiversity park and herbal garden	AKSHAY KUMAR V V	**NSS**	9	
	AKSHAY KURIAN			
	ANJANA ARJUN			
	ABDULLAH			
	CYRIAC J THARAYIL			
	MOHAMMED NABHAN PM			
	VANI C NAIR			
	SREEHARI S			

	VYSHNAVI M			

Provide table wise and year wise data separately for NSS/NCC/Clubs/College Union etc.

62.4.7. Professional societies/ chapters and organizing academic events

Name of the student	Name of society/chapter	Academic event organized

62.4.8. Organization of paper contests, design contests, etc., and achievements

Name of the student	Name of contest	Type of the contest	Achievements

62.4.9. Publication of technical magazines, newsletters, journals, etc.

Name of the student	Technical magazine				Newsletter				Journal			
	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.

62.4.10. Entrepreneurship initiatives, product designs and innovations
(Describe the initiatives taken)

62.4.11. Publications and awards in inter – institute events by students of the programme of study

Name of the student	Name of the awarding institute	Name of the event	Name of the award	Position acquired (first/second third)

63. Faculty Contributions

63.1. Student Teacher Ratio (STR)

20:1

63.2. Faculty Cadre Ratio

63.3. Faculty Qualifications

63.3.1. Percentage of full time teachers registered for Ph.D. (Value points will be given only for the first 3 years of registration)

Formula:

Percentage **=20**

$$\frac{\text{Number of full time teachers in the department registered for Ph. D.}}{\text{Total number of full time teachers}} \times 100$$

Name of full time teacher registered for PhD	Date of registration	Number of full time teachers registered for PhD	Total number of full time teachers
Delsey M J	August 2019	1	5

63.3.2. Number of teachers awarded national/international fellowship for advancedstudies/research during the last 3 years

Year	Name of the teacher awarded national / international fellowship	Name of the award	Awarding Agency

63.3.3. Percentage of teachers recognized as research guides

Formula:$\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers in the department}} \times 100$

Name of teachers recognized as research guides	Year of recognition	Recognizing University	Total number of teachers

63.4..... Faculty competencies in correlation to Programme Specific Criteria

63.5..... Academic Calendar and Teaching plans

(Upload details of five years)

63.6. Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years

Formula: $\frac{\text{Total number of Ph.D.degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$

Name of the PhD scholar	Name of the guide/s	Title of the thesis	Year of registration of the scholar	Year of award of PhD

63.7. Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, E-content management etc.**

Formula: $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$

= 80

Name of teacher using ICT	Type of ICT facilities used	Number of teachers using ICT	Total number of teachers
Delsey M J	LCD Projector	4	5
Dr.Rajeev R	LCD Projector		
Athiramol S	LCD Projector		
Naveena Tresa Joseph	LCD Projector		

** Validation based on student feedback and link for webpage describing LMS/ Academic Management System.

63.8..... Faculty as participants/resource persons in faculty professional development/training Activities/seminars/workshops/symposia/conferences (national & international)

Year	Duration (From – to)	Name of the teacher	Role of the teacher (participation/ resource person)	Type of programme (faculty development/ training/ seminar/ workshop/ symposia/ conference)	Name of the programme	National/ international
2020-21	24-08-2020	Aryamol P	**Participation**	Webinar	K.K.T.M. Govt. College,	National

		C			Pullut	
	21-08-2020		**Participation**	Webinar	St. George's College Aruvithura	National
	18-08-2020		**Participation**	Webinar	St. Dominics College, Kanjirapally	International
	25-08-2020		**Participation**	Webinar	DeshbandhuCollege, University of Delhi	National
	17/08/20 to 21/08/2020		**Participation**	Webinar	Bharathiyar university, Coimbatore	International
	11/09/2020 to 15/09/2020		**Participation**	Webinar	GITAM, Bengaluru	International
	09-08-2020		**Participation**	Webinar	Sri Krishna Adithya College of Arts & science, coimbatore	National
	19/09/2020 to 20/09/2020		**Participation**	Workshop	CMS College Kottayam	National
	08/08/2020	**Athiramol S**	**Participation**	Workshop	Startup Center Academy Mumbai	National
	06/07/2020	**Delsey M J**	**Participation**	Webinar	Indian Institute of Information Technology Kottayam in association	National

					with IEEE and ACM	
	23/09/2020		**Participation**	Webinar	CMS College Kottayam	National
	18/06/2020		**Participation**	Webinar	St Albert's College (Autonomous)	National
	16/09/2020		**Participation**	Webinar	CMS College Kottayam	National
	09/09/2020		**Participation**	Webinar	CMS College Kottayam	National
	22/07/2020		**Participation**	Webinar	IIIT Kottayam in association with IEEE and ACM	National
	19/09/2020 to 20/09/2020	**Jeny Rachel Samuel**	**Participation**	Webinar	CMS College Kottayam	National
	23/09/2020		**Participation**	Webinar	CMS College Kottayam	National
	18/06/2020		**Participation**	Webinar	St Albert's College (Autonomous)	National
	16/09/2020		**Participation**	Webinar	CMS College Kottayam	National
	09/09/2020		**Participation**	Webinar	CMS	National

					College Kottayam	
	06/07/2020		**Participation**	Webinar	IIIT Kottayam	National
	13/07/2020		**Participation**	Webinar	St Albert's College (Autonomous)	International
	09/07/2020		**Participation**	Webinar	IIIT Kottayam	National
2020-21	24-06-2021		Participation	Symposium	LESSONS FROM RECENTLY ACCREDITED A++COLLEGES IN KERALA	
	07-06-2021 to 09-06-2021			FDP by own institute	NAAC Assessment and Accreditation process in the revised accreditation framework	
	j	Athiramol S		FDP by other institutes	Managing Online Classes & Co- creating MOOCS 7.0	National
	05-08-2021 to 19-08-2021		Participation	FDP by other institutes	Managing Online Classes & Co- creating MOOCS 7.0	National
	24-04-2021	Delsey M J		FDP by other institutes	Quantum Machine learning: Application to image restoration	National
	02-11-2020	Jeny Rachel Samuel	Participation	Seminar	End to End	National

	to 06-11-2020				Processes in data analytics	
	16-11-2020 to 21-11-2020	Jeny Rachel Samuel	Participation	Seminar	STTP on Big data Analytics	National
	15-09-2020 to 19-09-2020	Aryamol P C	Participation	Seminar	Fixed Pint theory and Its Application s	National
2019-20	27-05-2020	Delsey M J	Participation	Seminar	Department of information technology, Francis Xavier engineering college, tirunelveli	National
	17-05-2020	Delsey M J	Participation	Seminar	Department of information technology in association with institutions innovation council of Francis Xavier engineering	National

					college, tirunelveli	
	18-05-2020	Delsey M J	Participation	Seminar	Department of computer science, information technology and computer applications of kovai kalaimagal college of arts and science	National
	19-05-2020	Delsey M J	Participation	Seminar	Department of computer science, information technology and computer applications of kovai kalaimagal college of arts and science	National
	13-02-2020 to 14-02-2020	Delsey M J	Participation	Conference	Indian institute of information technology kottayam	National
	26-02-2020	Jeny Rachel Samuel	Participation	Seminar	Equal opportunity cell and counselling cell of cms college kottayam and national health mission	National

63.9.....F

aculty Retention

63.10...... F

aculty Research Publications (FRP)

63.10.1. Number of research papers per teacher in the Journals notified on UGC website during the last 3 years

Formula: $\frac{\text{Total number of publications in UGC notified journals in the last 3 years}}{\text{Total number of teachers who published in UGC notified journals in the last 3 years}}$

Title of paper	Name of the teacher	Name of journal	ISBN/ISSN number	Impact factor if any	Affiliating institute at the time of publication
A Scalable approach for anonymisationusing top down specialisation and randomisation for security	Athiramol S	IEEE Conference			
A Scalable approach for anonymisation prior to data publishing using top down specialisation and randomisation. A Security Perspective	Athiramol S	IJCMS	2347-8527		
A Privacy Preserving Anonymization Approach using Scalable Top Down Specialization and Randomization for Big Data Security	Athiramol S	IJCSE	2347-2693		

Journal with the highest impact factor in your stream and its impact factor (multidisciplinary journals are not to be counted):…..

63.10.2. Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years

Formula:

$$\frac{\text{Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years}}{\text{Total number of teachers who published in the last 3 years}}$$

Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	ISBN/ISSN number of the proceeding	Name of the publisher	Affiliating institute at the time of publication
AI and IOT	Recognizing tropical			International -Springer	978-981-33-6399-1	Delsey M J	

	cyclone formation from satellite image data						

63.10.3. BiblioMetrics of the publications during the last 3 years based on average citation index and H-index in Scopus/ Web of Science or PubMed/ Indian Citation Index/Google scholar

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Average H-index of the faculties	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations

63.11. Faculty Intellectual Property Rights (FIPR)

63.11.1. Number of Patents published/awarded

Name of the teacher	Name of the Patent published/awarded	Patent Number	Year of award	Affiliating institute at the time of publication/award

63.12. Funded R & D projects and consultancy works

63.12.1. Major Research projects sponsored by government sourcessuch as UGC, DST, DBT, KSCSTE, etc.

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

63.12.2. Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees)

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

63.12.3. Research projects sponsored by the non-government sourcessuch as industry, corporate houses, international bodies, endowments (Amount in Rupees)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Funds provided	Duration of the project

63.12.4. Consultancy

Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (amount in rupees)

63.12.5. Revenue generated from corporate training by the department during the previous year

Names of the teacher-consultants	Title of the corporate training program	Agency seeking training with contact details	Revenue generated (amount in rupees)	Number of trainees

63.13. Number of awards for innovation won by teachers

Title of the innovation	Name of the Awardee	Year of award	Name of the Awarding Agency with contact details

63.14. ..... Faculty interaction with International Collaborations

Name of the faculty	Collaborating agency/ institute/ industry	Name of the agency/ institute/ industry/ organization	Type of collaboration (research/ teaching/ industrial etc.)	Country of the collaborating party	Has any MoU signed?	Validity period of the MoU (from date – to date)

63.15. ..... Membership in Professional bodies

63.15.1. Membership in academic bodies in Universities / other colleges

Name of the teacher	Name of the academic body	University/ other college	Position held

63.16. ..... Reviewer/Editors of International and national journals

Name of the teacher	Name of the Journal, ISSN No., publisher, national/international	Role of the teacher (Reviewer/ Editor)

63.17. Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 3 years

Academic body / Administrative body / Committee	Name of the Academic body / Administrative body / Committee	Specific role of the faculty	Duration of hours spent in the last 5 years
		Total hours spent	

63.18. Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years

Formula:

Percentage = $\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$

Name of the activity/scheme	Organizing unit/ agency/ collaborating agency	Number of teachers participated in such activities

64. Academic Support Units and Teaching-Learning-Evaluation Process

64.1. Academic Support Units for academic and stress related issues

64.1.1. Ratio of mentor to students for academic and stress related issues

20:1

64.1.2. Department level student grievance addressing system

64.2. Teaching-Learning Process

- The Academic Calendar , a part of the College Hand book, is prepared and provided by the Principal, which is considered as the baseline.
- The lesson plan for each course is prepared by the concerned faculty and adherence to the plan is done by the faculty for the completion of the syllabus on time.
- Lecture notes are prepared by the faculty and given to the students for reference.

- Extra time for clearing the doubts in subject is arranged for the students from 9.00 am to 9.55 am and from 4.00 pm to 4.45 pm.

Learning Process

- Student feedback is collected and analyzed to take necessary action.
- Student-centric learning is provided in the practical sessions.
- Experiential learning is ensured through individual or group projects, hands-on training, on-job training.
- Competitive and Team Spirits are developed through group discussions, debates and panel discussions.
- Weak students are supported through bridge courses, remedial coaching and mentoring**.**

64.2.1. Tutorial classes to address student questions

64.2.2. Mentoring system To help at individual levels

8. Does the department assess the learning levels of the students, after admission and organizes special programs for advanced learners and slow learners? – Details.
9. Does the department take special attention on the needs of differently abled students? – Details.

64.2.3. Feedback analysis and reward/corrective measures taken, if any

Student feedback is collected and analyzed to take necessary action.

Describe whether:

Structured feedback received from:

5) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents

for design and review of syllabus - Semester wise /year wise

64.2.4. Scope for self-learning

Do student centric methods, such as experiential learning,participative learning and problem solving methodologies are used for enhancing learning experiences? – details

64.2.5. Generation of self-learning facilities, availability of materials for learning beyond syllabus

64.2.6. Career Guidance, Training, Placement, and Entrepreneurship Cell

Describe the number of capability enhancement and development schemes

29. Guidance for competitive examinations
30. Career Counseling
31. Soft skill development
32. Induction/Remedial programmes
33. Language lab
34. Bridge courses
35. Personal Counseling

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Placement Training	2018	60	Computer science department and career guidance and placement cell CMS College kottayam
Industrial visit	2017	30	Technopark and VSSC
Awareness of trends in tehcnology	2017	30	Toons Academy
IT Quiz	2017	35	Department Association
Career Guidance	2018	30	College
Spoken Tutorial	2018	60	IIT Bombay
Personal Mentoring	2018	94	Department
Remedial Coaching	2018	8	Department
Soft skill Development	2018	30	Department Association
Talk Show	2019	90	Department Association
Technical Fest	2019	90	Department Association

64.2.6.1. Indicate whether the department conducted tests at the beginning of each semester to identify weak/ potential students?

Yes

64.2.6.2. Indicate how the department took extra measures to identify, address and meet the special requirements of differently abled students.

NA

64.2.6.3. Average percentage of students benefited by guidance for competitive examinations and career counseling offered by the department during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated by Career Counseling / competitive exams activities
2018-2019	**Placement Training**	**30**
2019-2020	**Placement Training**	**30**

64.2.6.4. Average percentage of students benefitted by Vocational Education and Training (VET) during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated VET

64.2.7. Role of department in Co-curricular and Extra-curricular Activities of students

64.2.8. Role of department Games and Sports achievements of students

64.2.9. Does the department have a system to check malpractices and plagiarism?

Provide upload the URL having code of ethics	Whether Departments have been provided access to plagiarism detecting software (Yes/No)	Mechanism for detecting plagiarism

65. Continuous improvements

65.1. Improvement in Success Index of Students

65.2. Improvement in Academic Performance Index of Students

65.3. Improvement in Student-Teacher Ratio

65.4. Enhancement of Faculty Qualification Index

65.5. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

65.6. Continuing Education

65.7. New Facility Created

(List the new facilities created with their anticipated impact on the teaching – learning process)

65.8. Overall Improvements since last accreditation, if any, otherwise, since the commencement of the programme

- Syllabus revision to include the latest trends and technologies
- Regular inputs are taken from faculty through monthly meetings of the faculty / brain storming sessions
- Feedback from the Alumni students
- Inputs from experts, academicians and employers are collected and analyzed in the department faculty meeting to include the necessary improvements in the curriculum

66. Events in Department

66.1. Seminars/Conferences/Workshops conducted(National and International)

66.1.1. Number of national seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years

Name of the seminar / workshop / symposium / conference	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants
Python Programming Workshop(Online)			19-09-2020 to 20-09-2020	Teachers and students	460
Cloud Computing (webinar)			07-11-2020	Teachers and students	87
Emerging Trends in Big Data (Webinar)		-	26-11-2020	Teachers and students	87

66.1.2. Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 3 years

Name of the Summer school programme	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants

66.1.3. Number of awards for innovation won by department during the last 3 years

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award	Category-department// research scholar/student

66.1.4. Academicians visited

Name and designation of the academician	Name of the Institute/ University of the academician	Country to which the academician belong	Name of the programme attended by the academician	Type of the programme attended by the academician	Beneficiaries of the programme	Funding agency of the programme
Dr. S Srinivasan	Jain Deemed to be university	India	Cloud computing-changing Archetype for IT	Webinar	Students and Teachers	-

66.2. MoU's and Tie-ups

66.2.1. Number of Collaborative activities for research, faculty exchange,student exchange during the last 3 years

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Source of financial support	Duration	Nature of the activity

66.2.2. Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 3 years

Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage	Name of the participant

66.2.3. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 3 years (only functional MoUs with ongoing activities to be considered)

Organization with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs

17.3. Institutes, Scholarships, Endowments

17.3.1. Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government schemes) during the last 3 years

Formula:

$$\text{Percentage} = \frac{\text{Number of students benefited by by scholarships and freeships}}{\text{Total number of students}} \times 100$$

Name of the scholarship/freeship	Number of students benefited

17.4. Fund generated by the department (minor projects, major projects, workshops, symposia, travel grant, scholarship, and if any other)

Type of fund generated	Amount (Rs.)	Name of the Faculty that attracted the fund

17.5. Total number of employability training programmes conducted by the department during the last 3 years and the total number of students attended the programme

Name of the employability training programme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Placement Training	2018	30	CMS College Placement Cell

17.6. Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes

Name of the teacher	Name of the capacity enhancement scheme / training programme	Name of the institute attended	Duration of the scheme / programme
Athiramol S	Managing Online Classes & Co	Ramanujan College, New Delhi	05-08-2021 to 19-08-2021
Delsey M J	Managing Online Classes & Co	Ramanujan College, New Delhi	05-08-2021 to 19-08-2021
Delsey M J	Quantum Machine learning: Application to image restoration	Mandsaur university, Mandsaur	24-04-2021
Delsey M J	Deep Learning	Coursera	21-10-2021
Athiramol S	Learning Management system (MOODLE) and Course Design Workshop	Kerala State Higher Education Council (KSHEC)	01-09-2021 to 06-09-2021

17.7. Details of extension activities of regular nature organized by the department *

Name of the extension activity	Nature of extension activity	Duration	Involvement of Percentage of students in the department
	119		

*Related to the area of knowledge of the department

17.8. Details of activities organized by the department to promote universal values*

Name of the activity	Within the campus/ outreach	Duration	Involvement of Percentage of students in the department

17.9. Total number of cultural activities/ competitions organized by the department during the last 3 years

Sl. No.	Name of the activity	Interdepartmental / intercollegiate	Total number of students involved
1	**IT Quiz**	**Departmental**	**-**
2	**Technical fest**	**intercollegiate**	**200**
3	**Talk show: Let's Talk on Tech Season 1**	**intercollegiate**	**30**
4	Talk Show; Let's Talk on Tech**Season 2(online)**	**intercollegiate**	**5**
5	Duel of Doubts(online)	**Departmental**	**10**

17.10. Alumni contribution during the last 3 years (Amount in Rupees)

Name of the alumnus/ alumni association	AADHAR / PAN	Year of graduation	Year of contribution	Quantum of contribution (Rs.)

18. SWOT Analysis

13.1. Identify Strength, Weakness, Opportunities and Threats of the Department

13.2. Good practices, if any

- Gender equity promotion programs
- Gender sensitivity in providing facilities such as:
  - Safety and Security
  - Counseling
  - Common room
- Green practices: (Green Audit)
  - Transportation: Bicycles
  - Plastic free department
  - Paperless department
  - Green landscaping
- Initiatives that contribute to local community
- Code of Conduct Handbook/Display of core values/Duties &Rights of citizens
- Activities to increase consciousness about national identities and symbols
- Course on human values and professional ethics
- Departmental functioning is as per professional code
- Activities to promote universal values
- Complete transparency in its financial, academic, administrative and auxiliary functions
- Remedial teaching
- Activities to increase the quality of teaching methodology
- Any other relevant best practices

Strengths:

- Department is being a part of CMS College
- Well furnished and spacious class rooms
- Well equipped computer lab with internet connectivity
- Owns the departmental library
- Strong faculty qualification, talented and dedicated, knowledgeable and cooperative faculty
- Great collaboration and good communication among faculty
- Supportive working environment among department members

Weaknesses:

- Faculty members are on the way to higher studies and research

- Inactive in research funding.
- No PG program

Opportunities:

- Students have very good opportunity for higher studies.
- Very bright placement opportunities in India and abroad.
- Students having the ability for entrepreneurship as they can go for start up initiatives.

Challenges:

- Lack of commitment of students to academics.

DSAR SCORE CARD COMPUTER SCIENCE

CMS College Kottayam
Department Accreditation Score Card
Department of Computer Science

Quantitative Matrices:

27. Programme curriculum

Metric No.			Weight	Cumulative Weight (Scored)	cumulative weight (Maximum)
7.5.1	Percentage of programs where syllabus revision was carried out during the last five years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses revised}}{\text{Total number of courses in the programme}} \times 100$ UG: 16. 2018-19 17. 2019-20 18. 2020-21	$(0/36) \times 100 = 0$ $(0/36) \times 100 = 0$ $(0/36) \times 100 = 0$	0 0 0		20
	Average weight scored ***Documentary evidences:*** *13. List of courses revised* *14. Copy of approved curriculum* 15. *Minutes of the Board of Studies (2016 onwards)*		0	0	20
7.8	Average percentage of theory courses offered having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations:				

	Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of courses offered with above focus}}{\text{Total number of courses in the programme}} \times 10$ UG: 19. 2018-19 20. 2019-20 21. 2020-21	$(1/36) \times 100 = 2.7$ $(1/36) \times 100 = 2.7$ $(1/36) \times 100 = 2.7$	4 4 4		10
	Average weight scored ***Documentary evidences:*** *13. List of courses with the above focus* *14. Copy of approved curriculum* *15. Minutes of the Board of Studies (2016 onwards)*		12	$\frac{12}{3} = 4$	10
7.9	New courses introduced: Add-on,/extra credit, Certificate/Diploma etc. for the period 2014-17: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of new courses introduced}}{\text{Total number of courses}} \times 100$ UG: 4. 2018-19 5. 2019-20 6. 2020-21	$(0/36) \times 100 = 0$ $(0/36) \times 100 = 0$ $(2/36) \times 100 = 5.5$	0 0 4		10
	Average weight scored ***Documentary evidences:*** *9. Copy of approved curriculum* 119 *10. Minutes of the Board of Studies*		4	4	10

	(2016 onwards)				
7.11	Average percentage of students enrolled in those courses during the years: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students enrolled in the course}}{\text{Total number of students in the dept}} \times 100$ UG: 10. 2018-19 11. 2019-20 12. 2020-21	0 $(0/92) \times 100 = 0$ $(95/95) \times 100 = 100$ $(0/108) \times 100 = 0$	0 20 0	0	20
	Average weight scored ***Documentary evidences:*** *17. Brochure* *18. Copy of approved curriculum* *19. Minutes of the Board of Studies (2016 onwards)* *20. MoU, if any*		20	20/3 =6.66	20
7.12	Average percentage of courses (theory/practical) offered as part of the UG/PG programme having focus on employability / entrepreneurship / skill development: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses with above focus}}{\text{Total number of courses in the programme}} \times 100$ UG: 13. 2018-19 14. 2019-20	$(10/36) \times 100 = 27.7$ $(0/36) \times 100 = 0$ $(0/36) \times 100 = 0$	10 0 0		20

	15. 2020-21				
	Average weight scored ***Documentary evidences:*** *13. Copy of approved curriculum* *14. Minutes of the Board of Studies (2016 onwards)* *15. MoUs with relevant organizations*		10	10/3= 3.33	20
7.13	Percentage of students undertaking field projects/internships during the years: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\%\ \text{of students} = \frac{\text{Number of students undertaking field projects or internshi}}{\text{Total number of students}} \times 100$ UG: 16. 2018-19 17. 2019-20 18. 2020-21	$(0/92) \times 100 = 0$ $(7/95) \times 100 = 7.3$ $(2/108) \times 100 = 1.85$	0 4 4		10
	Average weight scored ***Documentary evidences:*** *13. MoUs with relevant organizations* *14. Copy of student internship certificates/ reports* *15. Correspondence with relevant organizations*		8	8/3=2. 66	10
		Total		20.65	**90**

28. Result and Student Performance

Metric. No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
8.1	Success Rate of courses in UG and PG programmes Weightage distribution: 90% - 100% : 70 wt 80% - 89% : 63 wt 70% - 79% : 56 wt 60% - 69% : 49 wt 50% - 59% : 42 wt 40% - 49% : 35 wt 30% - 39% : 28 wt 20% - 29% : 21 wt 10% - 19% : 14 wt 1% - 9% : 7 wt <1% : 0 wt No. of students who passed the course examination in a ye / No. of students appeared for the course examination in a ye × 100 **2018-2019** **UG Additional Language Programme (Courses offered)** 1. CA1813106 Computer Graphics 2. CA1813107 Microprocessor and PC Hardware 3. CA1813108 Operating Systems 4. CA1813109 Data Structure using C++ 5. CA1813603 Software Lab III 6. ST1813205 Advanced Statistical Methods 7. CA1815114 COMPUTER NETWORKS 119	(29/32) × 100 = 90.6 (30/32) × 100 = 93.7 (25/32) × 100 = 78.1 (30/32) × 100 = 93.7 (31/32) × 100 = 96.8 (24/32) × 100 = 75 (28/33) × 100 = 84.8 (31/33) × 100 = 93.93	70 70 56 70 70 56 63 70 56		70

	8. CA1815115 IT, ENVIRONMENT AND HUMAN RIGHTS	$(26/33) \times 100 = 78.7$	70		
	9. CA1815116 JAVA PROGRAMMING USING LINUX	$(33/33) \times 100 = 100$	70		
	10. CA1815605 SOFTWARE LAB – V	$(33/33) \times 100 = 100$	70		
	11. CA1815801 SOFTWARE DEVELOPMENT LAB – I	$(33/33) \times 100 = 100$	70		
	12. CA1816901 VIVA VOCE	$(30/33) \times 100 = 90.90$	63		
	13. CA1816117 CLOUD COMPUTING	$(28/33) \times 100 = 84.84$	63		
	14. CA1816118 MOBILE APPLICATION DEVELOPMENT – ANDROID	$(28/33) \times 100 = 84.84$	70		
	15. CA1816301 DATA MINING	$(33/33) \times 100 = 100$	70		
	16. CA1816606 SOFTWARE LAB - VI AND SEMINAR	$(33/33) \times 100 = 100$	63		
	17. CA1816802 SOFTWARE DEVELOPMENT LAB - II (MAIN PROJECT)	$(28/32) \times 100 = 87.5$	70		
	2019-20				
	1. CA1811101 Computer Fundementals and Digital Principles	$(29/32) \times 100 = 90.6$	70		
	2. CA1811102 Methodology of Programming and C Language	$(32/32) \times 100 = 100$	70		
	3. CA1811601 Software Lab I	$(32/32) \times 100 = 100$	70		
	4. EN1811501 Fine-tune Your English	$(32/32) \times 100 = 100$	70		
	5. MT1811202 Discrete	$(30/32) \times 100 = 93.75$	70		

	Mathematics I 6. ST1811202 Basic Statistics and Introductory Probability Theory 7. CA1812103 Database Management Systems 8. CA1812104 Computer Organization and Architecture 9. CA1812105 Object Oriented Programming using C++ 10. CA1812602 Software Lab II 11. EN1812503 Issues that Matter 12. MT1812204 Discrete Mathematics II 13. CA1813106 COMPUTER GRAPHICS 14. CA1813107 MICROPROCESSOR AND PC HARDWARE 15. CA1813108 OPERATING SYSTEMS 16. CA1813109 DATA STRUCTURES USING C++ 17. CA1813603 SOFTWARE LAB – III 18. ST1813205 ADVANCED STATISTICAL METHODS 19. CA1814604 SOFTWARE LAB - IV 20. MT1814207 OPERATION RESEARCH 21. CA1814110 DESIGN AND ANALYSIS OF ALGORITHM 22. CA1814111 SYSTEM	$(32/32) \times 100 = 100$ $(32/32) \times 100 = 100$ $(28/32) \times 100 = 87.5$ $(31/32) \times 100 = 96.8$ $(29/32) \times 100 = 90.6$ $(30/32) \times 100 = 93.75$ $(29/32) \times 100 = 90.6$ $(32/32) \times 100 = 100$ $(28/32) \times 100 = 87.5$ $(28/32) \times 100 = 87.5$ $(33/33) \times 100 = 100$ $(29/32) \times 100 = 90.6$ $(33/33) \times 100 = 100$ $(31/33) \times 100 = 93.93$ $(29/33) \times 100 = 87.87$ $(18/33) \times 100 = 54.54$ $(26/33) \times 100 = 78.78$	63 70 70 70 70 70 63 63 70 70 70 63 42 56 70 70		

	ANALYSIS AND SOFTWARE ENGINEERING	$(32/33) \times 100 = 96.96$			
	23. CA1814112 LINUX ADMINISTRATION	$(28/30) \times 100 = 93.33$	70		
	24. CA1814113 WEB PROGRAMMING USING PHP		70		
	25. CA1715114 COMPUTER NETWORKS	$(30/30) \times 100 = 100$	70		
		$(29/30) \times 100 = 96.6$	70		
		$(30/30) \times 100 = 100$	70		
	26. CA1715115 IT AND ENVIRONMENT	$(30/30) \times 100 = 100$	70		
	27. CA1715116 JAVA PROGRAMMING USING LINUX	$(28/30) \times 100 = 93.33$	63		
	28. CA1715605 SOFTWARE LAB - V	$(30/30) \times 100 = 100$	70		
	29. CA1715801 SOFTWARE DEVELOPMENT LAB - I (MINI PROJECT)	$(26/30) \times 100 = 86.66$	70		
	30. CA1716117 CLOUD COMPUTING	$(30/30) \times 100 = 100$	70		
	31. CA1716118 MOBILE APPLICATION DEVELOPMENT - ANDROID	$(30/30) \times 100 = 100$	56		
	32. CA1716301 DATA MINING	$(30/30) \times 100 = 100$	56		
	33. CA1716606 SOFTWARE LAB - VI AND SEMINAR		70		
	34. CA1716802 SOFTWARE DEVELOPMENT LAB - II (MAIN PROJECT)	$(27/34) \times 100 = 79.41$	70		
	35. CA1716901 VIVA VOCE	$(27/34) \times 100 = 79.41$	63		
	2018-19	$(32/34) \times 100 = 94.11$	70		
	1. EN1811501 Fine-tune Your English	$(33/34) \times 100 = 97.05$			
	2. CA1811101 Computer Fundamentals and Digital Principles	$(30/34) \times 100 = 88.23$			
	3. CA1811102 Methodology of Programming and C Language		70		

	4. CA1811601 Software Lab I	$(31/34) \times 100 = 91.17$	56		
	5. MT1811202 Discrete Mathematics –I	$(30/33) \times 100 = 90.9$	70		
	6. ST1811202 Basic Statistics and Introductory Probability Theory	$(27/33) \times 100 = 81.8$	70		
		$(30/33) \times 100 = 90.9$	56		
	7. CA1812103 DATABASE MANAGEMENT SYSTEMS	$(33/33) \times 100 = 100$	70 63		
	8. CA1812104 COMPUTER ORGANIZATION AND ARCHITECTURE	$(20/33) \times 100 = 60.60$	70		
	9. CA1812105 OBJECT ORIENTED PROGRAMMING USING C++	$(32/33) \times 100 = 96.96$	63		
	10. CA1812602 SOFTWARE LAB - II	$(26/30) \times 100 = 86.66$	63 70		
	11. EN1812503 ISSUES THAT MATTER	$(27/30) \times 100 = 90$	63		
	12. MT1812204 DISCRETE MATHEMATICS – II	$(26/30) \times 100 = 86.66$	70 70		
	13. CA1713106 COMPUTER GRAPHICS	$(24/30) \times 100 = 80$	70		
	14. CA1713107 MICROPROCESSORS AND PC HARDWARE	$(30/30) \times 100 = 100$	70		
	15. CA1713108 OPERATING SYSTEMS	$(24/30) \times 100 = 80$	70		
	16. CA1713109 DATA STRUCTURES USING C++	$(30/30) \times 100 = 100$	70		
	17. CA1713603 SOFTWARE LAB III	$(28/30) \times 100 = 93.33$			
	18. ST1713205 ADVANCED STATISTICAL METHODS	$(28/30) \times 100 = 93.33$			
	19. CA1714604 SOFTWARE LAB - IV	$(29/30) \times 100 = 96$	70		
	20. MT1714207 OPERATION RESEARCH		70		
	21. CA1714110 DESIGN AND ANALYSIS OF ALGORITHM	$(28/30) \times 100 = 93.33$	70		
	22. CA1714111 SYSTEM				

	ANALYSIS AND SOFTWARE ENGINEERING 23. CA1714112 LINUX ADMINISTRATION 24. CA1714113 WEB PROGRAMMING USING PHP 25. CA15123 COMPUTER NETWORKS 26. CA15123 OPERATING SYSTEMS 27. CA15124 JAVA PROGRAMMING 28. CA15126 SOFTWARE LAB V 29. CA15127 SOFTWARE DEVELOPMENT LAB I 30. CA16128 WEB TECHNOLOGY 31. CA18129 SOFTWARE ENGINEERING 32. CA16131 SEMINAR 33. CA16132 SOFTWARE DEVELOPMENT LAB II 34. CA16133 VIVA 35. CA16330 LINUX OPERATING SYSTEM	$(27/30) \times 100 = 90$ $(27/30) \times 100 = 90$ $(27/30) \times 100 = 90$ $(27/30) \times 100 = 90$ $(30/30) \times 100 = 100$ $(30/30) \times 100 = 100$ $(26/30) \times 100 = 86.66$ $(28/30) \times 100 = 93.33$ $(30/30) \times 100 = 100$ $(30/30) \times 100 = 100$ $(30/30) \times 100 = 100$ $(27/30) \times 100 = 90$	70 70 63 70 70 70 70 70		
	Average weight scored ***Documentary evidences:*** *5. Semester wise result records from COE*		5845	$\frac{5845}{87}$) = 67.18	70
8.2	Percentage of students qualifying state/ national/ international level examinations				

	for the last 5 years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/ State government examinations/ other examination) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students appeared for the exam}} \times 100$ UG: 4. 2018-19 5. 2019-20 6. 2020-21	0 0 0	0 0 0		20
	Average weight scored ***Documentary evidences:*** *5. Year wise list of students qualifying each examination*		0	0	20
8.3.1 & 8.3.3	Average % of placement of outgoing students during last 3 years (Weightage distribution: 75% - 100% : 40 wt 50% - 74% : 30 wt 25% - 49% : 20 wt 1% - 24% : 10 wt $\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$ **UG:** 16. 2018-19 outgoing batch (till now) 17. 2019-20 outgoing batch (till now) 18. 2020-21 outgoing batch (till now) 119	14/50 x 100 =28 8/52 x 100= 15 8/51 x 100=15	20 10 10		40

	Average weight scored ***Documentary evidences:*** *Annual Report of Placement Cell*		40	40/3 = 13.3	40
8.3.2 & 8.3.4	% of outgoing student progression to higher studies during last 3 years Weightage distribution: 75% - 100% : 30 wt 50% - 74% : 20 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of outgoing students progressing to higher educatio}}{\text{Total number of final year students in the programme}} \times 100$ **UG:** 19. 2018-19 outgoing batch (till now) 20. 2019-20 outgoing batch (till now 21. 2020-21 outgoing batch (till now)	5/50 x 100 = 10 10/52 x 100 = 19 2/51 x 100 = 4	5 5 5		
	Average weight scored ***Documentary evidences:*** *Alumni data base (batch wise file of data containing student name, programme, year of study, contact details with email and phone number, present status (employment/higher studies).*		15	15/3= 5	30
8.4.1	Number of students participated in sports at state/national/ international level during the last 3 years 13. International : 10 wt per student 14. National : 5 wt per student *15.* State : 3 wt per student	18	18		20
	Documentary evidences: *Participation certificates* 119		18	18	20
8.4.2	Number of awards/medals for				

	outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years 9. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 10. Intramural (1^{st} and 2^{nd} prices) : 5 wt per student	0 0	0		20
	Documentary evidences: *Award certificates*		0	0	20
8.4.3	Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 3 years 13. International : 10 wt per student 14. National : 5 wt per student 15. State : 3 wt per student	0	0		20
	Documentary evidences: *Participation certificates*		0	0	20
8.4.4	Number of awards/ medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years 9. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 10. Intramural 1^{st} and 2^{nd} prices) : 5 wt per student	0 0	0		20
	Documentary evidences: *Award certificates*		0	0	20
8.4.5	Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt				

	25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$ 4. 2018-19 5. 2019-20 6. 2020-21	0	0	0	20
	Average weight scored ***Documentary evidences:*** *5. Letter from the agency/Any other documents relating to the activity*		0	0	20
8.4.6	Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3years Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$ 4. 2018-19 5. 2019-20 6. 2020-21	$(52/92) \times 100 = 57$ $(52/95) \times 100 = 55$ $(52/108) \times 10 = 48$	8 8 6	0	10
	Average weight scored ***Documentary evidences:*** *5. List from the concerned teacher in charge (programme officer, NCC Officer, etc.)*		22	22/3=7.33	10
8.4.7	Total number of academic events organized with professional societies/ chapters Example:				

	<table><tr><th>Name of the student</th><th>Name of society/chapter</th><th>Academic event organized</th></tr><tr><td>NA</td><td></td><td></td></tr><tr><td>NA</td><td></td><td></td></tr><tr><td>NA</td><td></td><td></td></tr></table> 2 wt per event	0	0		10
	Average weight scored ***Documentary evidences:*** *13. Brochures of the events* *14. Photographs of the events* *15. Reports of the events*		0	0	10
8.4.8	(a) Organization of paper contests/design contests/ exhibition, etc. during the last 3 years by department organization 2 wt per one event –Maximum wt 10.	0× 2 = 0	0		
	Average weight scored ***Documentary evidences:*** *9. Brochures* *10. Photographs*		0/3=0	0	10
8.4.9	Total number of UG/PG/PhD student publications in UGC approved research journals 5 wt per publication (Maximum 20 wt) 4. 2018-19 5. 2019-20 6. 2020-21	0 × 5 = 0 0 × 5 = 0 0 × 5 = 0	0		20
	Average weight scored ***Documentary evidences:*** *Copies of publications*		(0/3) = 0	0	20
8.4.10	(a) Total number of entrepreneurship initiatives during the last 3 years 5 wt per initiative 4. 2018-19 5. 2019-20 6. 2020-21	0 × 5 = 0 0 × 5 = 0 0 × 5 = 0			20
	Weight scored ***Documentary Evidences:*** *Report and photographs of each initiatives*		(0/3) = 0	0	20
	Total number of product designs and			0	30

	innovations 5 wt per product or innovation 4. 2018-19 5. 2019-20 6. 2020-21	$0 \times 5 = 0$ $0 \times 5 = 0$ $0 \times 5 = 0$			
	Weight scored ***Documentary Evidences:*** *Project report with working model*		0/3 = 0	0	30
8.4.11	Average number of awards in inter – institute events/ intercollegiate fest/exhibition/ paper contests/design contests, etc. for students (1^{st}, 2^{nd}, 3^{rd} prices) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of students achieved in such contests}}{\text{Total number of students in the dept}} \times 100$ 4. 2018-19 5. 2019-20 6. 2020-21	$(0/193) \times 1 = 0$ $(0/183) \times 1 = 0$ $(0/181) \times 1 = 0$	0 0 0		10
	Average weight scored ***Documentary evidences:*** *Certificates of achievement*		$(0/3) = 0$	0	10.0
		Total		110.81	370

29. Faculty contributions

Metric No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
9.3.1	(a) Percentage of full time teachers with Ph.D. Weightage distribution:				

	75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{No. of teachers in the department registered for Ph. D.}}{\text{Total No. of teachers in the department}} \times 100$	$(1/5) \times 100 = 20$	5		20
	Average weight scored ***Documentary evidences:*** *5. Copy of Ph.D. certificate*		5	5	20
	(b) Percentage of full time teachers registered for Ph.D. after appointment (during the last 3 years) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{No. of teachers in the department awarded Ph. D.}}{\text{Total No. of teachers in the department registered for Ph. D.}} \times 100$	0	0	0	10
	Average weight scored ***Documentary evidences:*** *5. Copy of registration certificate (valid for five years from the date of registration)*		0	0	10
9.3.2.	Number of teachers awarded university/state/national/international fellowship (post-doctoral) for advancedstudies/research during the last 3 years International: 8 wt National : 6 wt State : 4 wt University : 2 wt 4. 2018-19 5. 2019-20 6. 2020-21	0	0		20

	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	20.0
9.3.3	Percentage of teachers recognized as research guides Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers with Ph. D.}} \times 100$	0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order*		0	0	20
9.6	Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years Weightage distribution: 13. 3 Ph.D.s awarded per teacher : 20 wt 14. 2 Ph.D.s awarded per teacher : 15 wt 15. 1 Ph.D. awarded per teacher : 10 wt $\frac{\text{Total number of Ph. D. degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$	0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order of award of Ph.D. degree*		0	0	20
9.7	Average percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, virtual lab etc. Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$	$(4/5) \times 100 = 80$	10		10

	Average weight scored ***Documentary evidences:*** *9. List of teachers* *10. ICT resources prepared by each teacher in CD format/uploaded in the College website*		10	10	10
9.8	Faculty as participants/ resource persons in faculty professional development/ training Activities/ seminars/ workshops/ symposia/ conferences (national & international) International: 13. No. of faculties >10 : 10 wt 14. No. of faculties 5-10 : 5 wt 15. No. of faculties 1-5 : 2 wt National: 13. No. of faculties >10 : 5 wt 14. No. of faculties 5-10 : 3 wt 15. No. of faculties 1-5 : 1 wt	5 3	8		10
	Average weight scored ***Documentary evidences:*** *9. List of teachers* *10. Certificates of participation*		8	8	10.0
9.10.1	Number of research papers per teacher in the Journals notified on UGC website during the last 3 years Weightage distribution: 17. > 5 papers per teacher : 20 wt 18. 3-4 papers per teacher : 15 wt 19. 2 papers per teacher : 10 wt 20. 1 paper per teacher : 5 wt $\frac{\text{Total number of publications in the last 3 years}}{\text{Total number of teachers who published}}$	15	15		20
	Average weight scored ***Documentary evidences:*** *Copy of the papers*		15	15	20
9.10.2	Number of books and chapters in edited volumes / books published (ISSN), and papers in national/international conference-proceedings (ISSN) per teacher during the last 5 years Weightage distribution: 13. 20 wt per book 14. 10 wt per book chapter 15. 4 wt per papers in national/ international conference - proceedings	4 111	4		20

	Average weight scored ***Documentary evidences:*** *Copy of the books and chapters in edited volumes / books published, and papers in national/international conference-proceedings*		4	4	20
9.10.3	Sum of the bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index Weightage distribution: 21. Citation index > 10 : 30 wt 22. Citation index 7.0-9.9 : 20 wt 23. Citation index 4.0-6.9 : 10 wt 24. Citation index 1.0-3.9 : 5 wt 25. Citation index 0.1-1 : 2 wt	0	0		30
	Average weight scored ***Documentary evidences:*** *Proof of citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index*		0	0	30
9.11.1	Number of Patents published/awarded Weightage distribution: 10 wt per patent	0× 10 = 10	0		20
	Average weight scored ***Documentary evidences:*** *Copy of patent published/awarded*		0	0	20
9.12.1 & 9.12.3	Major Research projects sponsored by government sourcessuch as UGC, DST, DBT, KSCSTE, etc. and non-government sources such as industry, corporate houses, international bodies, endowments etc. (completed) Weightage distribution: 10 wt per MRP completed.	10 ×0 = 0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	20
9.12.2	Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees) (Completed) Weightage distribution: 5 wt per project completed	5 ×0 = 0	0		15
	Average weight scored ***Documentary evidences:*** 111 *Copy of sanction letter/order*		0	0	15

9.12.4	Revenue generated from Consultancy Weightage distribution: 5 wt per consultancy	5 ×0 = 0	0		15
	Average weight scored ***Documentary evidences:*** *9. Copy of MoU* *10. Copy of bank account statements*		0	0	15
9.12.5	Revenue generated from corporate training by the department during the previous year Weightage distribution: 5 wt per training programme	5 ×0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of bank account statements*		0	0	10
9.13	Number of awards for innovation won by teachers Weightage distribution: 5 wt per award	5 ×0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	10
9.14	Faculty interaction with International Collaborations Weightage distribution: 10 wt per collaboration	10 ×0 = 0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of MoU*		0	0	20
9.15.1	Membership in academic bodies in Universities / other colleges Weightage distribution: 5 wt per membership	5 ×0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of membership approval letter/email/order*		0	0	10
9.16	Reviewer/Editors of International and national journals/Books (ISSN) Weightage distribution: International: 9. 5 wt per editorship 10. 2 wt per reviewership	5 × 0 = 0 2 ×0 = 0	0 0		10

	National: 9. 3 wt per editorship 10. 1 wt per reviewership	$3 \times 0 = 0$ $1 \times 0 = 0$	0 0		
	Average weight scored ***Documentary evidences:*** *Copy of invitation letter/email/order from the journal to become reviewer/editor*		0	0	10
9.17	Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 3 years Average hours spent by each faculty: $\left(\frac{\text{Total hours spent by all the faculties in an year}}{\text{Total number of faculties}}\right)$ 25. Greater than 200 hrs : 20 wt 26. 100 to 200 hrs : 15 wt 27. 50 to 100 hrs : 10 wt 28. 10 to 50 hrs : 5 wt 29. 1 to 10 hrs : 2 wt 30. 0 hrs : 0 wt	0	0		20
	Average weight scored ***Documentary evidences:*** *9. List of faculties involved* *10. Copy of relevant certificates/ orders/other documents duly signed by the Principal*		0	0	20
9.18	Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt	111	0		10

	$\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$	$(0/1) \times 100 = 0$			
	Average weight scored ***Documentary evidences:*** *Copy of relevant certificates/orders/other documents duly signed by the Principal*		0	0	10
		Total		42	340

30. Academic Support Units and Teaching-Learning-Evaluation Process

Metric No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)

10.1.1.	Ratio of mentor to students for academic and stress related issues (Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of mentors}}{\text{Total number of teachers in the department}} \times 100$	0	0		20
	Average weight scored ***Documentary evidences:*** *9. List of students under each mentor* *10. Documentary evidences on mentor:mentee interactions*		0	0	20
10.1.2	Indicate whether the department has an effective student grievance addressing system or not. 9. Yes – 10 wt 10. No – 0 wt	Yes	10		10
	Average weight scored ***Documentary evidences:*** *9. List of students registered complaints* *10. Copies of action taken reports*		10	10	10
10.2.1	Tutorial classes to address student questions Average no. of tutorial classes conducted per teacher in an year: 21. 16 – 20 classes : 10 wt 22. 11 – 15 classes : 8 wt 23. 6 – 10 classes : 6 wt 24. 3 – 5 classes : 4 wt 25. 1 – 2 classes : 2 wt $\frac{\text{Total number of tutorial classes conducted}}{\text{Total number of teachers conducted tutorial classe}}$	0	0		10
	Average weight scored ***Documentary evidences:*** *5. Attendance register of students*		0	0	10
10.2.6	Describe the number of capability enhancement and development				

	programmes Weightage distribution: 2 wt per programme	2 ×10= 20	20		10
	Average weight scored ***Documentary evidences:*** *9. Brochures of the programmes* *10. Attendance register of students*		20	10	10
10.2.6.3	Average percentage of students participated for competitive examinations and career counseling offered by the department/college during the last five years (e.g. feel employable programme) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 4. 2018-19 5. 2019-20 6. 2020-21	$(30/92) \times 100 = 32.60$ $(30/95) \times 100 = 31.5$ $(0/108) \times 100 = 0$	10 10		20
	Average weight scored ***Documentary evidences:*** *9. Brochures of the programmes* *10. Attendance register of students*		20	20/3 = 6.66	20
10.2.9	Does the department have a system to check malpractices and plagiarism 9. Yes – 10 wt 10. No – 0 wt	No	0		10
	Average weight scored ***Documentary evidences:*** *9. Web-link of the plagiarism detection software* *10. Action taken report*		0	0	10
		Total		46	80

12.Events in Departments

Metric No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
12.1.1	Average number of national/international seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years Weightage distribution: International: 9. 2 – 4 programmes: 20 wt 10. 1 – 2 programmes: 10 wt National: 9. 2 – 4 programmes: 10 wt 10. 1 – 2 programmes: 5 wt 4. 2018-19 5. 2012-20 6. 2020-21	 0 0 0	0		20
	Average weight scored ***Documentary evidences:*** *17. Brochure of the programme* *18. Photos of the programmes* *19. Reports of the programme* *20. Copy of publication of proceedings*		0/3 = 0	0	20
12.1.2	Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 5 years Weightage distribution: 10 wt per summer school programme	10 × 0 = 0			10
	Average weight scored ***Documentary evidences:*** *13. Brochure of the programme* *14. Photos of the programme* *15. Reports of the programme*		0	0	10
12.1.3	Average number of awards for innovation won by department during the last 3 years Weightage distribution: 5 wt per award	5 ×0 = 0			10
	Average weight scored 111		0	0	10

	Documentary evidences: *Copy of award certificate*				
12.1.4	Average number of academicians visited for talks or lectures Weightage distribution: 2 wt per programme	2 ×1 = 2			10
	Average weight scored ***Documentary evidences:*** *13. Brochure of the programme* *14. Photos of the programme* *15. Reports of the programme*		2	2	10
12.2.1	Number of Collaborative activities for research, faculty exchange,student exchange during the last 5 years (other than faculty collaborations) Weightage distribution: 10 wt per collaboration	10 × 0 = 10			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such programmes*		0	0	20
12.2.2	Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 5 years Weightage distribution: 5 wt per MoU	5 ×0 = 0			10
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such linkage programmes*		0	0	10
12.2.3	Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 5 years (only functional MoUs with ongoing activities to be considered Weightage distribution: 5 wt per MoU	5 ×0 = 0			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's*		0	0	20
12.3.1	Percentage of students benefited by scholarships, endowments and freeships			0	

	provided by the Stakeholders of the department (besides government, department scholarships) during the last 5 years (Weightage distribution: 30% - 40% : 20 wt 20% - 29% : 15 wt 10% - 19% : 10 wt 1% - 9% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 4. 2018-19 5. 2019-20 6. 2020-21	0	0		20
	Average weight scored ***Documentary evidences:*** *Agreement of the Scheme with the Stakeholders*		0	0	20
12.4	Fund generated by the department (e.g. SARD scheme of KSCSTE) Weightage distribution: 10 wt per project	10 ×0 = 0			20
	Average weight scored ***Documentary evidences:*** *13. Sanction/concurrence letters/orders* *14. Bank account statements* *15. Cash Register*		0	0	20
12.5	Total number of employability training programmes conducted by the department during the last 3 years and the total number of students attended the programme Weightage distribution: 5 wt per programme	5 ×0 = 0			10
	Average weight scored ***Documentary evidences:*** *9. Brochures* *10. List of students programmewise*		0	0	10
12.6	Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes				

	Weightage distribution: 2 wt per programme	2 ×5 =10			10
	Average weight scored ***Documentary evidences:*** *Copy of participation certificates*		10	10	10
12.7	Details of extension activities of regular nature organized by the department in adopted villages Weightage distribution: 5 wt per programme	5 ×0 = 0			20
	Average weight scored ***Documentary evidences:*** *13. Brochures of the programme* *14. Photos of the programme* *15. Reports of the programme*		0	0	20
12.8	Details of activities organized by the department to promote universal values Weightage distribution: 2 wt per programme	2 ×0= 0			10
	Average weight scored ***Documentary evidences:*** *13. Brochures of the programme* *14. Photos of the programme* *15. Reports of the programme*		0	0	10
12.9	Total number of cultural activities/ competitions organized by the department during the last 3 years Weightage distribution: 2 wt per activity	2 ×5= 10			10
	Average weight scored ***Documentary evidences:*** *13. Brochures of the programme* *14. Photos of the programme* *15. Reports of the programme*		10	10	10
12.10	Alumni contribution during the last 3 years (Amount in Rupees) Amount: 29. > 5 Lakhs : 20 wt 30. 1-5 Lakhs : 10 wt 31. 0.5 – <1 Lakh : 5 wt 32. < 0.5 Lakhs : 1 wt	0	0	0	30
	Average weight scored ***Documentary evidences:*** 111 *13. Copy of cheques, DD's etc.*		0	0	30

	obtained from Alumni *14. Bank account statements* *15. Cash register*				
		Total		142	230

Feedback

10.2.3	Feedback received from: 1) Students – 3 wt 2) Teachers – 3 wt 3) Employers – 3 wt 4) Alumni – 3 wt 5) Parents – 3 wt for design and review of syllabus - Semester wise /year wise.	0	0		15
	Average weight scored ***Documentary evidences:*** *9. Feedback reports* *10. List of corrective measures taken*		0	0	15
		Total		0	15

Qualitative Matrices:

Part – C

33. Vision, Mission and Programme Outcomes

34. Programme Specific Outcomes with global relevance for developmental needs

35. Programme Curriculum

35.1. Curriculum

35.2. ..... Components of Curriculum and their relevance to PSOs and POs

35.3. Core subjects and their relevance to Program outcomes

35.4. Course Syllabus

35.5. ..... Measures and processes used to identify the curricular gaps to the attainment of the COs/PSOs with global relevance for developmental needs.

35.6. ..... Vertical mobility of programmes

35.7. content beyond syllabus imparted for the attainment of the COs/PSOs

9. Faculty Contributions

9.4. Faculty competencies in correlation to Programme Specific Criteria

9.5. Academic Calendar and Teaching plans

31. Continuous improvements 111

11.29. Improvement in Success Index of Students

11.30. Improvement in Academic Performance Index of Students

11.31. Improvement in Student-Teacher Ratio

11.32. Enhancement of Faculty Qualification Index

11.33. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

11.34. Continuing Education

11.35. New Facility Created

13. SWOT analysis

14. Student Perception

15. Any other relevant points included by the peer team

Score Calculation:
Maximum total weight of Qn. Matrices = 1125 (75% of the maximum total weight)
Maximum total weight of Ql. Matrices = 375 (25% of the maximum total weight)
Maximum total weight = 1125 + 375 = 1500
Maximum CGPA $= 4.0$
Scored weight of Qn. Matrices = 361.46
Scored weight of Qn. Matrices = Y
Scored total weight = Scored weight of Qn. Matrices + Scored weight of Qn. Matrices
= 361.46 + Y
=

$$\text{Obtained CGPA} = \left(\frac{\text{Scored total weight}}{1500}\right) \times 4$$
$$= \left(\frac{981.3}{1500}\right) \times 4$$
$$\text{Obtained CGPA} = 2.62$$

Range of Departmental Cumulative Grade Point Average (CGPA)	**Grade**
3.51 – 4.00	A++
3.26 – 3.50	A+
3.01 – 3.25	A
2.76 – 3.00	B++
2.51 – 2.75	B+
2.01 – 2.50	B
1.51 – 2.00	C
≤ 1.50	D

CMS COLLEGE (AUTONOMOUS) KOTTAYAM

DEPARTMENT SELF – ASSESSMENT REPORT (DSAR) MANUAL

DEPARTMENT OF VOCATION

October 2021

DEPARTMENTSELF – ASSESSMENTREPORT (DSAR) MANUAL

The Department Self Assessment Report (DSAR) is intended to shed light into the current status of the department in terms of its Strength, Weakness, Opportunities and Threats. As such, the department is expected to provide accurate data and observations that reflect the true and real status of the department. The data that will be collected from the department would fall into three parts.

- **Part A** : Basic data of the department (will not be used for assessment)
- **Part B** : Data about infrastructure, governance, financial status (will not be used for assessment)
- **Part C** :Data collected in this part will be used for assessment and accreditation.

The department should provide data for the academic years 2018-19, 2019-20, 2020-21 (past 3 years) separately under each relevant question and for each UG and PG programmes offered.

The department need not supply the supporting documents while submitting the DSAR, but should keep them in original for peer team assessment. After the assessment, softcopies/scanned copies of supporting documentsmust be sent to dsar@cmscollege.ac.in within a week of assessment.

For queries, please e-mail to dsar@cmscollege.ac.in.

PART A

67. Departmental Information

67.1..... N

ame and address of the department

Department of Vocation, CMS College (Autonomous), Kottayam.

67.2..... N

ame, designation, telephone number, and e-mail address of the head/contact person.

Resmi Cherian

Assistant Professor & HOD

Contact: 8281727876

Email:resmi@cmscollege.ac.in

67.3..... H

istory of the department including dates of introduction and number of seats ofvarious programmes of study.

(Instruction: History of the institution and its chronological development along with the records of past accreditation need to be listed here.)

Department of Vocation was established in the year 2018 with two programmes, B.Voc Information Technology and B.Voc Travel, Tourism and Logistics Management. A maximum of 50 students can be admitted in each programme.

In the year 2018, 19 students were admitted in B.Voc Information Technology and 30 students in B.Voc Travel, Tourism and Logistics Management.

In the year 2019,41 students were admitted in B.Voc Information Technology and 37 students in B.Voc Travel, Tourism and Logistics Management.

In the year 2020, 30 students were admitted in B.Voc Information Technology and 41 students in B.Voc Travel, Tourism and Logistics Management.

In the year 2021, 33 students were admitted in B.Voc Information Technology and 34 students in B.Voc Travel, Tourism and Logistics Management.

67.4..... M

ission and Vision of the department:

(Instruction: The department is required to specify its Mission and Vision).

Department Vision

The department envisages equipping the students to identify the contemporary issues and take up challenges with the right attitude and innovation essential to resolve the problems of business and society.

Department Mission

- To instill a critical and analytical approach supported by logical reasoning to function effectively in various job sectors by providing hands-on experience through Internships and Industry Visits infused with a curriculum that monitors the progress with constant feedback.
- To demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts through several practical oriented activities and projects to equip the students with job skills, management skills, and communication skills.
- To foster social skills and peer interaction, enabling them to interact productively with people and create an inclusive society ensuring equal opportunities regardless of origin.

- To exhibit awareness and sensitivity by being open-minded without prejudices to recognize values to develop a commitment to meeting and upholding standards of ethical behaviour in organization as well as in life.
- To discern the contemporary issues of environmental contexts and promote values and attitudes to enable coexistence and sustainability.

67.5..... List of the programmes/ departments which share human resources and/or the facilities of this department/ programme (in %).

(Instruction: Institutes needs to mention the different programs which share the human resources and facilities with the department/ programme being accredited.)

67.6..... Total number of students:

B.Voc IT (33+28+39=100)

B.Voc TTLM (34+38+36=108)

67.7..... Total number from other states and countries: Nil

67.8..... Total number of differently abled students: Nil

67.9..... Minimum and maximum number of staff on roll in college, during the current and five previous academic years in the department:

(A tabular format may be used)

Academic Year	**Minimum**	**Maximum**
2018-19	**5**	**7**
2019-20	**7**	**9**
2020-21	**2**	**5**

67.10..... Details of full time teachers against sanctioned posts

(Position sanction letters verified by DCF of AISHE or the concerned authority, Soft copy of appointment letters of faculties during 3 years, Pan No. of faculties)

2018-2019

Sl.No	Name	Designation	Qualification	Experiencei nyrs
1	Resmi Cherian	Asst. Professor (HOD)	M.E CSE	15
2	Meera Mohan	Asst. Professor	M.Tech, UGC NET	5
3	Aravind G Nair	Asst. Professor	MTA	9
4	Nihara Marie Thomas	Asst. Professor	M.Com, UGC NET JRF	-
5	Divya E J	Asst. Professor	MA, B.Ed	12
6	Denny K Devasia	Asst. Professor	MSc Mathematics	-
7	Bicku Kuriakose Raju	Asst. Professor	MTA	7

2019-2020

Sl.No	Name	Designation	Qualification	Experiencei nyrs
1	Resmi Cherian	Asst. Professor (HOD)	M.E CSE	16
2	Meera Mohan	Asst. Professor	M.Tech, UGC NET	6
3	Aravind G Nair	Asst. Professor	MTA	10
4	Kunjummen T Tharian	Asst. Professor	M.Com, UGC NET	-
5	Akhila Thomas	Asst. Professor	M.Tech	-
6	Denny K Devasia	Asst. Professor	MSc Mathematics	1
7	Bicku Kuriakose Raju	Asst. Professor	MTA	8
8	Riya Susan Shaji	Asst. Professor	M.Com, UGC NET	-
9	Mini K L Pillai	Asst. Professor	MA, M.Phil	-

2020-2021

Sl.No	Name	Designation	Qualification	Experiencei nyrs
1	Resmi Cherian	Asst. Professor (HOD)	M.E CSE, UGC NET	18
2	Meera Mohan	Asst. Professor	M.Tech, UGC NET	7
3	Aravind G Nair	Asst. Professor	MTA	9
4	Akhila Thomas	Asst. Professor	M.Tech	1
5	Bicku Kuriakose Raju	Asst. Professor	MTA	8
6	Nayana Elizabeth Andrews	Asst. Professor	M.Tech	-
7	Amarish S	Asst. Professor	MTA, UGC NET	8
8	Ragin Maria Mathew	Asst. Professor	MSc CSE	4

67.11. Full time teachers from other states against sanctioned posts(Softcopy of supporting document)

67.12. Faculty experience

Name of the Full-time teacher	PAN	Designation	Year of appoint ment	Total years of Experience as on 31/10/2021	Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution
Resmi Cherian	AFZPC6043H	Assistant Professor	2018	18 years	Yes
Aravind G Nair	ASKPN6812F	Assistant Professor	2018	11 years	Yes
Nayana Elizabeth Andrews	CEDPA6613N	Assistant Professor	2021	0	Yes
Amarish S	AYCPA9353L	Assistant Professor	2021	8 years	Yes
Ragin Mariya Mathew	DCLPM1202G	Assistant Professor	2021	4 years	Yes
Sudheesh Kumar K R	KMJPS8340Q	Assistant Professor (Visiting Faculty-Mathematics Department)	2018	4 years	Yes
Jeena Shaji	BMPTPS6922H	Assistant professor (Visiting Faculty-Communicative	2021	0	Yes

		English department)			
Savad K A	JBYPS0851K	Assistant professor (Visiting Faculty-Commerce department)	2021	9 years	Yes
Amrutha T	BNBPA2927B	Assistant professor (Visiting Faculty-Commerce department)	2021	1 Month	Yes
Meera Mohan	DIUPM1114E	Assistant Professor	2018	8 years	No
Akhila Thomas		Assistant Professor	2019	8 years	No
Bicku Kuriakose Raju	AYEPR3418H	Assistant Professor	2019		

67.13. Total number of differently abled teachers: Nil

67.14. Percentage of full time teachers with Ph.D. : Nil

$$\text{Percentage} = \frac{\text{Number of full time teachers in the department with Ph. D.}}{\text{Total number of full time teachers}} \times 100$$

Name of full time teacher with PhD	Number of full time teachers with PhD	Total number of full time teachers

67.15. Is the department an approved research centre by University / National / International bodies?
(Yes/No; provide order number with year and name of affiliating University)
No

67.16. Summary of budget for the Previous Financial Year (PFY) and the actual expenditure incurred in the PFY.

67.17. Summary of budget for the Current Financial Year (CFY).

PART B

68. Facilities and Technical Support

68.1..... C

lass rooms in the Department

68.1.1. ..... Adequate number of rooms for lectures (core/electives), seminars, tutorials, etc.for the program

(Provide a description with the number of existing rooms and lack of them, if any)

Purpose of the class rooms	No. of existing classrooms	No. of class rooms required
Lectures	6	Nil
Seminars	0	1
Tutorials	Nil	
Total number of classrooms required		**1**

68.1.2. ..... Teaching aids – multimedia projectors, etc.

(Provide a description with the number of existing classrooms with such facilities and lack of thereof, if any)

Type of facility	No. of existing classrooms with the facility	No. of class rooms with the facility required
Multimedia projector : 2 (Not mounted in the class room)	0	6
Screen	0	6
Smart boards	0	6
Wireless microphone	0	6
Speaker	1 (not working)	3
Computer	1	1
UPS	1	2
Server	0	0
Document camera	0 111	0

Educational softwares	0	0
WIFI/LAN facilities	6	0
Total number of classrooms with teaching aids required		**6**

68.1.3. ..... Acoustics, class room size, conditions of chairs/benches, air circulation, lighting, exits, ambiance, and such other amenities/facilities

(Provide a description of the facilities and amenities classroom wise)

ClassRoomNo.	Size	No.tables	No. of benches	No.ofchairs	No. ofLecture stands	aircirculation &lighting
ITI		12		36	0	Verygood
ITII		10	10	1	0	Verygood
ITIII		12	11	4	1	Verygood
TTL I		12		37	0	Verygood
TTL II		12	12	1	0	Verygood
TTL III		12		37	0	Verygood
Lab						Air-conditioned

68.1.4. Seminar halls with ICT facilities

Type of facility	**No. of existing seminar halls with the facility**	**No. of seminar halls with the facility required**
Multimedia projector	0	1
Screen	0	1

Smart boards	0	1
Wireless microphone	0	1
Speaker	0	1
Computer	0	1
UPS	0	1
Server	0	1
Document camera	0	1
Educational softwares	0	1
WIFI/LAN facilities	0	1
Total number of seminar halls with ICT facilities required		**1**

68.2..... F

aculty Rooms in the Department

68.2.1. ..... A

vailability of individual faculty rooms:There is only one common staff room and 1 HOD room. There is no separate room or partition for faculty. Separate cupboards or shelves are not sufficient

(Provide a description)

68.2.2. ..... R

oom equipped with white/black board, computer, Internet connectivity, adequate number of plug points, UPS connectivity and such other amenities/facilities

Staff Room is equipped with only one desktop computer for 8 staff members and there is difficulty in entering data for documentation and preparation of study materials. It will be very helpful to faculty members if they will be occupied in tables with a partition facility, shelves and computer which will enhance productivity, Internet connectivity is provided by college to the desktop computer for faculty .At present there are adequate number of plug points and UPS connectivity for the faculty computer.

(Provide a description with number of facilities and lack of thereof, if any)

68.2.3. ..... Usage of room for discussion/counseling with students:

nil. We use HOD room because of the lack of such facility in the department and we could manage so far.

68.3..... Laboratories in the Department to meet the Curriculum Requirements and the PSOs: Nil

68.3.1..... Adequate, well-equipped laboratories to meet the curriculum requirements and the PSOs

(Provide a description with the number of laboratories and lack of thereof, if any)

NoofLaboratories:1
Labconsistingof30computerSystemswith Internetconnectivity.

68.3.2..... Adequate, well-equipped laboratories to conduct research projects

(Provide a description with the number of laboratories and lack of thereof, if any)

Nil

68.3.3..... Equipments to run experiments and their maintenance, Number of students per experimental set up, Size of the laboratories, overall ambience etc.: N A

(Provide both quantitative and qualitative information)

Name of the equipment	Number of students per equipment/experiment	Size of the laboratories

68.3.4. ..... Availability of computing facilities in the department

Number of computer labs	Number of computers	Number of UPS	Number of servers	Internet connectivity (yes/no) Speed (mb/ps)	Access to e-resources (yes/no)	Student : Computer ratio

(Provide a description with the number of computers and related facilities, adequate space for laboratory etc. and lack of thereof, if any)

We use common computer lab of the college, we don't have department lab.

68.3.5..... Availability of laboratories with technical support within and beyond working hours

(Provide a description of the type and extent of technical support lent to the laboratories, number of such laboratories, number of technicians assigned to each laboratory and lack of thereof, if any)

Nil

68.4..... Technical Manpower Support in the Department

68.4.1..... Availability of adequate and qualified technical supporting staff for program specific laboratories and lack of thereof, if any.

68.4.2..... Incentives, skill-up gradation and professional advancement.

69. Infrastructure, Governance, Institutional Support and Financial Resources

69.1..... Campus infrastructure and facility

69.1.1..... Maintenance of academic infrastructure and facilities

(Provide a description of the current situation and a history over the last 3 years)

Theclassroomsandlaboratoriesarewellmaintained.

69.1.2..... Hostel (boys and girls), transportation facility, and canteen

For girls, hostel facility is available sometimes students can't be accommodated and they rely on outside hostels.

Lea hostel for undergraduate girl students

Ella hostel for postgraduate girl students-

Askwith hostel for PG Boys and sports students

Students rely on private/ transport buses but very rarely on trains

Some of them uses canteen facility for lunch.

(Provide a description of the current situation with the number of students obtained hostel, transportation and canteen facilities and a history over the last 3 years)

69.1.3..... Electricity, power back up, telecom facility, drinking water, and security

We have a drinking water dispenser in the department. Telephone facility not available in the department. We have power backup (ups) only for our desktop in the staffroom. We have no power backup for the class rooms and staffroom.

(Provide a description of the current situation and a history over the last 3 years)

69.2..... Organization, Governance and Transparency

69.2.1..... Governing body, administrative setup, and functions of various bodies and cells

(Provide information about the department level bodies and committees)

IQAC coordinator

Internal exam coordinator

Computer Science Association

Anti Ragging Cell

Discipline Committee

Infrastructure Maintenance Committee

Grievance redressal Committee 111

Department activities & programme secretary

Governing Bodies	Staff in Charge
IQAC coordinator	Amarish S
Internal exam coordinator	Aravind G Nair
I T Association	Nayana Elizabeth Andrews
Anti Ragging Cell	Amarish S
Discipline Committee	Aravind G Nair
Infrastructure Maintenance Committee	Ragin Maria Mathew
Grievance redressal Committee	Resmi Cherian
Department activities & programme secretary	Resmi Cherian Aravind G Nair
Tourism Association	Amarish S

69.2.2..... D

efined rules, procedures, recruitment, and promotional policies, etc.

Classes should be taken for students without fail.

Portion should be finished on time or by taking extra hours.

If a teacher is absent he/she should inform in advance and arrange an alternative to take the classes.

Student should inform warden or HOD before taking leave.

Students are not permitted to go outside without being informed by parents to warden

Informations will pass on to faculty as group message/in person and disseminated to students through class wardens

Grievances should be addressed by concerned wardens and major issues will be addressed by department as a team

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

Asperthe guidelines stipulated by the Government, University and Management.

69.2.3. Decentralization in working, including delegation of financial power and grievance redressal system N A

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

69.2.4. Transparency and availability of correct/unambiguous information disseminated among the department staff

69.3. Budget Allocation, Utilization and public Accounting

69.3.1. Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

NA

69.3.2. Utilization of allocated funds

(Provide description with numbers related to utilization)

NA

69.4. Programme Specific Budget Allocation, Utilization

69.4.1. Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

69.4.2. Utilization of allocated funds

(Provide description with numbers related to utilization)

69.5. Facilities: Animal House/Green House / Museum, Fabrication facility, Media laboratory/Business Lab/Studios, Research/Statistical Databases(Year of establishment, Hyperlink of videos and pictures (geotagged) – verified from DCF of AISHE)

69.6. Library

69.6.1. Library space and ambience, timings and usage, availability of a qualified librarian and other staff, library automation, online access, networking,

specialized facilities (ILL, download, printing, facilities for differently abled students) etc.

Facilities cited above are provided by the Institution's Central Library. We have no department library.

(Provide description)

69.6.2. Titles and volumes per title of books, journals and periodicals.

N A

(List the titles and volumes per title)

69.6.3. Scholarly journal subscription

(List the details of journals including publisher, ISBN number, broad range of study, specific field of study, how the subscription of a specific journal is beneficial for faculty and students)

N A

69.6.4. Digital Library

We only have a centralized digital library.

69.6.5. Library expenditure on books, magazines/journals, and miscellaneous contents

(Provide description with numbers related to expenditure)

N A

69.6.6. Number of withdrawal of books by students in the previous year*****

N A

Formula:

$$\frac{\text{Number of withdrawal of books from department library in previous year}}{\text{Total number of students}} \times 100$$

$$\frac{\text{Number of withdrawal of books from College library in previous year}}{\text{Total number of students}} \times 100$$

*Source: Issue register

69.7..... I

nternet

(Indicate the internet usage policy, whether satisfactory internet speed is available all the time etc.)

Internet facility with moderate speed is available in the department

69.8..... Safety norms

69.8.1. Checks for wiring and electrical installations for leakage and earthing.

(Provide description)

There was issue with wiring, now it is rectified. Few of our fans are not in working condition

69.8.2. Fire-fighting measurements: Effective safety arrangements with emergency / multiple exits and ventilation / exhausts in auditoriums and large classrooms / laboratories, fire-fighting equipment and training, availability of water, and other such facilities.

(Provide description with the number of equipments available and lack of thereof, if any)

We have no fire extinguishing or firefighting system available in the department. Class rooms are ventilated. No emergency exit. Sufficient water is not available for firefighting.

69.8.3. Safety of civil structure

(Provide description)

Building is strong and safe.

69.8.4. Handling of hazardous chemicals and such other activities

(Provide description and issues, if any)

N A

69.9..... Counseling and Emergency Medical Care and First-Aid

69.9.1. Availability of counseling facility

(Provide description and issues, if any)

N A

69.9.2. Arrangement of emergency medical care

(Provide description and issues, if any)

Emergency medical care is possible because the college is in the heart of the city. If an ambulance needed we can call from nearby hospital and Medical College, General

hospital and other hospitals are within the limit of 5 Km. Faculty members voluntarily assist in using their vehicle to transport the sick students to hospital in emergency

69.9.3. Availability of First Aid Unit

(Provide description and issues, if any)

First aid unit is not available in the department.

PART C

70. Programme Specific information

70.1..... Name of the Programme:

(List name of the programme, as it appears on graduate's certificates and transcript, and abbreviation used for the programme)

Bachelor of Vocation in Information Technology (B.Voc IT)

Bachelor of Vocation in Travel, Tourism and Logistic Management. (B.Voc TTLM)

70.2..... Title of the Degree: Travel, Tourism and Logistics Management

(List name of the degree, as it appears on graduate's certificates and transcript, and abbreviation used for the degree).

Bachelor of Vocation in Information Technology (B.Voc IT)

Bachelor of Vocation in Travel, Tourism and Logistic Management. (B.Voc TTLM)

70.3..... History of the programme

(Provide description)

The Department of Vocation was established in the year 2018 with two Undergraduate Programmes, B.Voc Information Technology and B.Voc Travel, Tourism and Logistics Management funded by UGC.

70.4..... Deficiencies, weaknesses/concerns and challenges from previous accreditations of NAAC

(Provide description)

NIL

70.5..... Total number of students in the programme:

(Instruction: Total number of students, both boys and girls, has to be listed here. The data may be categorized in tabular form under graduate, post graduate, Doctoral Degree, or other program, if applicable.)

Year	Total number of students in UG programme		Total number of students in PG programme		Total number of students in Ph.D. programme		Total number of students in diploma/ certificate/ other programmes	
	Male	Female	Male	Female	Male	Female	Male	Female
2018	28	19						
2019	48	29						
2020	50	17						
2021	53	13						

71. Vision, Mission and Programme Outcomes

71.1..... Vision and Mission

71.1.1. State the Mission and Vision of the College and department in relation to programme outcomes

College Vision	Department Vision
The CMS College shall be a centre of excellence for imparting value-based liberal education aimed at promoting inclusive and holistic growth of the learner with thrust on real-time needs. Inculcate values of integrity, justice and compassion in the young minds to keep alive the missionary zeal of the founders.	The department envisages equipping the students to identify the contemporary issues and take up challenges with the right attitude and innovation essential to resolve the problems of business and society.
College Mission	**Department Mission**

• Create awareness on human rights, cultural and spiritual heritage, scientific temper and ecology.	• To foster social skills and peer interaction, enabling them to interact productively with people and create an inclusive society ensuring equal opportunities regardless of origin.
• Achieve excellence by imparting quality education through teaching, learning, research and extension activities	• To instill a critical and analytical approach supported by logical reasoning to function effectively in various job sectors by providing hands-on experience through Internships and Industry Visits infused with a curriculum that monitors the progress with constant feedback.
• Ensure optimum utilization of resources for the benefit of the society.	• To exhibit awareness and sensitivity by being open-minded without prejudices to recognize values to develop a commitment to meeting and upholding standards of ethical behaviour in organization as well as in life.
• Execute academic and administrative policies in a flexible environment	• To discern the contemporary issues of environmental contexts and promote values and attitudes to enable coexistence and sustainability.
• Empower students as the agents of transformation and equip them to face local and global challenges.	• To demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts through several practical oriented activities and projects to equip the students with job skills, management skills, and communication skills. • To be an independent lifelong learner foreseeing the future along with embracing real-time changes in the socio-technological context to promote continuous development using participatory processes that involve all stakeholders.

(List and articulate the mission and vision statement of the College and department)

71.1.2. Indicate how and where the Vision and Mission are published and disseminated

(Describe in which media (e.g. websites, curricula books) the vision and mission are published and how these are disseminated to stakeholders)

- Official website of the college
- Department of Vocation
- Curricula books

71.1.3. Mention the process for defining Vision and Mission of the department

(Articulate the process involved in defining the vision and mission of the department from the vision and mission of the College)

The vision and mission of the college mainly focuses on the value based learning. Likewise the vocational studies program is also intended to cater the students with the skills and knowledge in the field of Travel, Tourism, Logistics and Information Technology to fulfill the needs of the industry.

71.2..... Program Outcomes

71.2.1. Describe the Programme Outcomes (POs)

(List and articulate the program outcomes of the program under accreditation)

GPO No.	GraduateProgrammeOutcomes
GPO.1	**CriticalThinking**:Takeaninformedandanalyticalapproachtolearninganddemonstratein-depthknowledgeofthesubjectandgiveopinion(s)supportedbylogicalreasoningthatonehavejudgedtobeappropriateandunderstandingdifferent approaches andusingthem
GPO.2	**Effective Communication:** Demonstrate proficiency in communicating competentlyin groups and organizations, competence in interpersonal communication; possessskillsto effectivelydeliverformaland informalpresentationstoavariety of audiences inmultiple contexts

GPO.3	**Social Interaction:** Foster social skills and peer interaction enabling them to make allpeoplefeelvaluedandrespecttheirdifferencesbybeingresponsiblecitizensfor creating asociallyinclusivesociety
GPO.4	**EthicalStandards:**Recognizevaluessuchasjustice,trust,equity, fairness,kindness anddevelopacommitmenttomeetinganduphold ingstandardsofethicalbehaviorinallwalks oflifeandcomprehendingthemoraldimensionsofdecisionsandactions
GPO.5	**EnvironmentalConsciousness:**Discerntheissuesofenvironmentalcontextsandengagesi npromotingvaluesandattitudesthatclaimcoexistenceandsustainable livingwithreduced,minimal,ornoharmuponecosystems
GPO.6	**Lifelong Learning:** Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employmentand personal fulfillment

71.2.2. State how and where the POs are published and disseminated

(Describe in which media (e.g. websites, curricula books) the POs are published and how these are disseminated to stakeholders)

- Website
- Curricula Book
- Course plan
- Lab Manual

71.2.3. List Stakeholders of the Program

(List stakeholders of the program under consideration for accreditation and articulate their relevance)

Stakeholder	Relevance
Teaching faculty	Provide guidance and opinions regarding the design and course content of the curriculum
Head of the institution/ Management representative	Advisory agent for policy issues and proper implementation of the curriculum and evaluation of curriculum
Members of professional bodies	Work closely with the curriculum team by giving advice during academic performance and evaluation of the

	curriculum
Parents	Support and influence the implementation of the curriculum through financial resources (fee). Give their views regarding the curriculum development
Community members,	Local concerns to take immediate attention by the curriculum development team

71.2.4. State the process for establishing POs

(Describe the process that periodically documents and demonstrates that the POs are based on the needs of the program's various stakeholders.)

Feedback from students and parents Assessment by 1.Result Evaluation 2. Continuous Evaluation 3. Student progression. Followed by discussion with professional bodies.

71.2.5. Establish consistency of POs with Mission

(Describe how the PO's are consistent with the Mission of the department.)

Every key component of the PO was designed to justify the department mission. The department mission has got several features that will go hand in hand with the PO's

Department Mission	**PO**
To instill a critical and analytical approach supported by logical reasoning to function effectively in various job sectors by providing hands-on experience through Internships and Industry Visits infused with a curriculum that monitors the progress with constant feedback.	**Critical Thinking**: Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them
To demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in multiple contexts	**Effective Communication**: Demonstrate proficiency in communicating competently in groups and organizations, competence in interpersonal communication; possess skills to effectively deliver formal and informal presentations to a variety of audiences in

through several practical oriented activities and projects to equip the students with job skills, management skills, and communication skills.	multiple contexts
To foster social skills and peer interaction, enabling them to interact productively with people and create an inclusive society ensuring equal opportunities regardless of origin.	**Social Interaction**: Foster social skills and peer interaction enabling them to make all people feel valued and respect their differences by being responsible citizens for creating a socially inclusive society
To exhibit awareness and sensitivity by being open-minded without prejudices to recognize values to develop a commitment to meeting and upholding standards of ethical behaviour in organization as well as in life.	**Ethical Standards**: Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions ofdecisions and actions.
To discern the contemporary issues of environmental contexts and promote values and attitudes to enable coexistence and sustainability.	**Environmental Consciousness**: Discern the issues of environmental contexts and engages in promoting values and attitudes that claim coexistence and sustainable living with reduced, minimal, or no harm upon ecosystems.
To be an independent lifelong learner foreseeing the future along with embracing real-time changes in the socio-technological context to promote continuous development using participatory processes that involve all stakeholders.	**Lifelong Learning:** Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment.

71.3..... Attainment of Program Outcomeswith global relevance for developmental needs

71.3.1. Justify the contributions of the Programme Curriculum towards attainment of POs

(Describe the broad curricular components that contribute towards the attainment of the POs.)

- Effective Communication
- Critical Thinking
- Social responsibility
- Industry standards
- Professionalism

- Lifelong Learning

71.3.2. Explain how administrative system helps in ensuring the attainment of POs

(Describe the committees and their functions, working process and related regulations.)

- Periodical staff meetings
- IQAC Department committee
- Association activity committee
- Internal examination committee
- Peer teaching committee

71.3.3. Indicate the additional co-curricular activities undertaken towards the attainment of the POs

- Association activities
- Trainings
- Participation in intercollegiate competitions
- Industry Interface
- Cultural programs
- Invited talks, seminars

71.4..... Assessment of the attainment of Programme Outcomeswith global relevance for developmental needs

71.4.1. Indicate tools and processes used in assessment of the attainment of POs

Describe the assessment process that periodically documents and demonstrates the degree to which the PO's are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each PO is based. Examples of data collection processes may include, but are not limited to, employer surveys, graduate surveys, focus groups, industrial advisory committee meetings, or other processes that are relevant and appropriate to the

programme; the frequency with which these assessment processes are carried out.

- Feedback forms
- Continuous Evaluation
- Student progression
- Participation in various competitions.
- Internship and Training

71.4.2. Provide the evidence of the achievement of POs

The expected level of attainment for each of the PO.

Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the PO is being attained; and how the results are documented and maintained.

71.4.3. Indicate how the POs have been redefined the past

This is the first time we have defined the curriculum with POs, PSO and CO.

72. Programme Specific Outcomeswith global relevance for developmental needs

72.1..... Definition and Validation of Course Outcomes and Programme Specific Outcomes

72.1.1. List the Course Outcomes (COs) and Programme Specific Outcomes (PSOs)

(List the Course Outcomes (CO) of the courses in programme curriculum and programme specific outcomes (PSO) of the programme under accreditation)

BACHELOR OF VOCATION IN INFORMATION TECHNOLOGY PROGRAMME

PSO No.	IntendedProgrammeSpecific Outcomes uponcompletionofBachelorofVocation in Information Technology(B.Voc IT)Programme,thegraduates willbeableto:	GPO No.
PSO-1	Function effectively as an entrepreneur, a team member or team leader and commit to professional ethics.	3,4,6
PSO-2	Comprehend and write effective reports, presentations, design documentations and to give and receive clear instructions.	1,2
PSO-3	Apply the knowledge of Mathematics to identify, formulate and solve real life complex engineering and computing problems	1,2,3

PSO-4	Apply the knowledge of technology and management principles to design, develop and provide solutions to complex problems in IT filed using modern tools.	3,4,6
PSO-5	Understand how to identify, formulate and design solutions in the areas of Computer Science and Engineering	1
PSO-6	Develop skills in software development so as to enable the graduates to take up employment/self-employment in local, Indian & global software market	1
PSO-7	Adopt any modern engineering tool or software for analyzing and solving various computer engineering problems	1,2
PSO-8	Have the knowledge of contemporary issues and able to apply various software engineering approaches for project management	1,2,3
PSO-9	Communicate effectively on complex programming activities with the IT community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	1,3,5
PSO-10	Organize and deliver relevant applications of knowledge through effective written verbal, graphical/ virtual communication and interact productively with people from diverse background	3

GENERAL EDUCATION AND SKILL COMPONENTS

General Education Course 1: Listening and Speaking Skills in English	• Listen to lectures, public announcements and news on TV and radio. • Engage in telephonic conversation. • Communicate effectively and accurately in English. • Use spoken language for various purposes. • Critically analyze a poem or a prose.
General Education Course 2: Discrete Mathematics -I	• To learn a mathematical topic, a person needs to actively construct mathematical arguments on this topic. A major goal of this course is to teach the students how to understand and construct correct mathematical arguments. • Identify sets, different properties of sets, set operations and set identities. • Explain the different methods for representing the relationship between sets. • The basic concepts involving functions needed in discrete mathematics. • Discuss how the equivalence classes of an equivalence relation partition a set into disjoint nonempty subsets. • Find a relation that is reflexive, anti- symmetric and transitive. These are the properties that characterize relations used to order the elements of sets. • Solve the problems using what they studied. • Define and interpret the concepts of divisibility, congruence, greatest common divisor, prime and prime factorization.
General Education Course 3:	• Understand the characteristics, evolution, generations and classification of computers.

Introduction to IT	• Understand the organization of computers, types of memory and storage systems. • Understand the various input and output devices of a computer systems. • Understand the operating system, types of computer software and programming languages.
General Education Course 4: Reading And Writing Skills	• Understand the mechanism of general and academic writing. • Recognize the different modes of writing. • To assist students to develop literal comprehension skills. • To assist students to develop increased reading efficiency.
General Education Course 5: Environmental Studies	• Have better awareness and concern Artificial Intelligence in Environmental Decision Support System. • Understand Global Information System and Remote Sensing Application in Environment. • Familiarize with role of ICT in Disaster Management. • Familiarize developing Green Computing Through Cloud Computing.
General Education Course 6: Discrete Mathematics – II	• Solve real world problems using graphs and trees, both • quantitatively and qualitatively. • Explain the combination of logic gates. • To work with the basics of matrices and analysis its application in computer science.
General Education Course 7: Statistical Methods And Probability	• Define and use the basic terminology of statistics. • Analyse and compare different sets of data. • Classify the data by means of diagrams and graph. • Recall the meanings of statistical terms. • Explain the statistical concepts of central tendency, dispersion skewness, Kurtosis & index numbers. • Explain the concept of correlation and regression coefficient. • Define the basic rules of probability. • Solve the problems in probability. • Explain the concepts of random variables. • Differentiate the ideas between discrete and continuous random variables. • To develop the skill for applying appropriate statistical tools and techniques in different situations.
General Education Course 8: Social Skills	• Understand the concept of social skills by doing tasks. • Develop life skills to cope with stress and do better time management. • Enhance personality development and communication skills of a student. • Prepare for interviews.
General Education Course 9: Business Informatics and Principles of Accounting	• Have an awareness about the role of IT in business. • Have knowledge of basic Accounting Principles. • Understand how to manage journal and ledgers. • Have knowledge of how to prepare Final Accounts. • Have basic knowledge of an Accounting Package.

General Education Course 10: Corporate Skills	• Develop ability to assimilate in work atmosphere. • Have a good understanding of workspace etiquette. • Get an experience on workspace environment. • Know how to perform in an interview.
General Education Course 11: Management Information Systems	• Reproduce a working knowledge of concepts and terminology related to information technology. • Understand MIS framework and methodologies. • Understand basic concepts of modern management and its functions. • Study the applications of information technology in management. • Understand the importance of transaction processing in business. • Interpret how to use information technology to solve business problems.
General Education Course 12: Principles of Management	• Explain the Principles of Management. • Compare contributions of Managerial Scientists. • Describe the planning, coordination and decision-making process. • Explain the principles of organisation and staffing. • Explain the components of direction- leadership, motivation and Communication. • Explain the process and techniques of control. • Explain the modern management techniques.
General Education Course 13: Information Security	• **F**amiliarize the students with the Information security, security issues, attacks, identification and authentication. • **I**mparts essential knowledge of how to achieve security in real world information and operation. • **I**mparts essential knowledge of how to achieve security in network and operating system. • **H**ave a basic idea of Application security.
General Education Course 14: Aptitude And Logical Reasoning	• Understand and practice quantitative aptitude. • Understand and practice Logical reasoning. • Understand and practice verbal reasoning. • Understand different placement practice techniques.
General Education Course 15: Entrepreneurship Development	• Familiarize the students with the latest programs of the government authorities in promoting small and medium industries. • Imparts essential knowledge of how to start one's own business venture and the various facts that influence successful setting up and operations. • Realize skills and inspiration for developing an entrepreneurial mindset. • Have a basic idea of the economics of Entrepreneurship.
General Education Course 16: Digital Marketing	• Help students to understand digital marketing methods. • Develop skills on engaging in marketing on the web using latest • Search Engine Marketing. • Familiarize E-mail marketing and Affiliate Marketing.

General Education Course 17: Informatics	• To understand cognitive informatics. • To develop a strong base on bioinformatics, geo-informatics. • To create awareness about social issues of informatics.
General Education Course 18: IT And Society	• Have a clear view of what is role of ICT in e-governance. • Understanding e-learning. • Understanding e-commerce. • Realize the pros and cons of Cyber law.
SkillCourse 1: Programming in C	• Understand the concepts of programming and methodologies essential for developing good C programs. • Understand the use of character set, data types, operators and input/output operations. • Apply Flow control statements in problem solving. • Enhance skill in developing programs using various constructs. • Apply knowledge to construct programs using standard library functions in C language. • Apply Complex data types arrays, structures, union and pointers in program development
SkillCourse 2: Computer Architecture and Organisation	• Describe the fundamental organization of a computer system and addressing modes. • Understand basic organization of memory and different types of memory. • Explain organization and working of processing unit. • Understanding organization of IO devices, interrupts and DMA.
SkillCourse 3: Office Automation, Image Editing and Latex	• Create a spread sheet. • Prepare a latex document. • Create animation using Flash. • Modify images using Photoshop.
Skill Course 4: Office Automation and Latex Lab	• Create a spread sheet. • Construct worksheets in Excel and perform all basic computations. • Prepare a Latex documents • Create animation using Flash. • Perform professional image editing in Photoshop. • Design brochure, logo, certificates and visiting cards.
Skill Course 5: C Programming Lab	• Use the fundamentals of C programming in trivial problem solving. • Enhance skill on problem solving by constructing algorithms. • Identify solution to a problem and apply control structures and user defined functions for solving the problem. • Demonstrate the use of Strings and string handling functions. • Apply skill of identifying appropriate programming constructs for problem solving.
Skill Course 6: Data Structures and Algorithms	• Understand different programming methodologies & Complexity of algorithms • Design and implement Data structures such as linked list, stack, queue and tree by using C as the programming language and using static or dynamic implementations. • Demonstrate different sorting, searching techniques and

	understand various file organizations. • Represent and manipulate data using non-linear data structures like trees and graphs to design algorithms for various applications.
Skill Course 7: Database Management Systems	• Characterize the data base approach. • Discuss the relations, relationship models and relational database schemas in detail. • Practice with the SQL queries. • Understand the Normalization and Indexing Structures for Files. • Discuss Transaction Processing and Database Security.
SkillCourse 8: Digital Electronics	• Understand binary, hexadecimal and octal number systems and their arithmetic. • Manipulate and design combinational logic circuits. • Understand how logic circuits and Boolean algebra forms as the basics of digital computer. • Demonstrate the building up of Sequential and combinational logic from basic gates. • Understand different types of memory organization.
SkillCourse 9: Database Management Systems Lab	• Apply DDL commands in SQL to create, modify, and remove database objects. • Use Basic SQL queries INSERT, SELECT, DELETE, UPDATE to multiple tables. • Show ordering of rows using ORDER BY option. • Manipulate tables using SET operations. • Apply complex queries in SQL. • Make views in SQL. • Apply the concepts of object-oriented programming.
SkillCourse 10: Data Structure Lab	• Implement basic linear and non-linear data structures and their major operations. • Implement representation of graphs. • Implement algorithms for various sorting and searching techniques.
SkillCourse 11: Object Oriented Programming using Java	• Understand platform independent pure object oriented programming paradigm through Java. • Write Java application programs using OOP principles and proper program structuring. • Understand the concepts of inheritance, interface and packages in Java. • Write Java programs to implement error handling techniques using exception handling and creating applets. • Use standard Java's API's and Java I/O classes when writing applications. • Apply GUI components in event handling for user friendly program interface. • Apply the JDBC interface for connecting Java programs with SQL-based databases
SkillCourse 12: Software Engineering	• Research the state-of-the-art, and application of Software Engineering in developing software.

and Testing	• Analyse different approaches to software developing and testing. • Understand different aspect in software design and implementation. • Familiarize software testing, different testing techniques and design test cases. • Familiarize different types of tools in testing manual and automated testing.
SkillCourse 13: Microprocessor and PC Hardware	• Explain the general architecture of 8085 microprocessor. • Classify the instruction set of 8085 microprocessor and distinguish the use of different instructions. • Identify different components and their functions on the Motherboard. • Understand the operation of hard disk. • Identify the distinguishing features of physical memory, memory modules and memory areas.
SkillCourse 14: Java Programming Lab	• Write Java application programs using OOP principles and proper program structuring. • Develop Java program using packages, inheritance and interface. • Create Multithreaded programs. • Write Java programs to implement error handling techniques using exception handling and develop programs using class and inputs from keyboard. • Develop graphical User Interface using AWT. • Demonstrate event handling mechanism.
Skill Course 15: Business Accounting Lab	• Develop accounting projects based on Tally. • Develop accounting projects based on Peach Tree. • Develop accounting projects based on Quick books.
Skill Course 16: Operating Systems	• Familiarize fundamental concepts, structure and design of OS. • Impart skill in identifying the type of operating systems used in various real time applications • Apply knowledge to describe different approaches to process management • Apply knowledge to describe different approaches to memory management. • Apply knowledge to describe secondary storage management and disk scheduling.
Skill Course 17: Computer Networks	• **U**nderstand the concepts of data communication and networks, TCP/IP and OSI reference models. • **D**iscuss the process of Multiplexing, switching and transmission media in networks. • **U**nderstand the services of data link layer and protocols. • **U**nderstand multiple access protocols and Ethernet. • **U**nderstand the services of network layer, transport layer and application layer.
Skill Course 18: Object Oriented	• Familiarize various modelling constructs used in software design phase.

Modelling and Design	• Enhance skill in preparing software documentation. • Impart skill in Identifying requirements of a software for solving a particular problem. • Apply knowledge in designing a software.
Skill Course 19: Networks and Operating Systems Lab	• Implement various communication protocols. • Demonstrate communication between different processes. • Demonstrate direct communication with the operating systems via system calls. • Impart skill in using synchronisation tools for solving classic problems. • Implement forking processes, waiting for them to terminate, and getting information about them
Skill Course 20: Computer Animations Lab	• Familiarize standard primitive object creation and editing. Impart skill in object creation and animation. • Apply skill effectively and creatively to solve a wide range of graphic design problems. • Develop design drawings that demonstrate computer animation and design skills. • To familiarize 2D to 3D conversion.
Skill Course 21: Web Development	• Introduce the installation of PHP. • Understand basic program elements in PHP. • Outline the principles behind using MySQL as a backend DBMS with PHP. • Illustrate the creation of session and cookies. • Familiarize PHP validation.
Skill Course 22: Mobile Application Development- Android	• Familiarize about mobile computing. • Explain the differences between Android, Windows and other mobile development environments. • Install and configure Android application development tools. • Impart skill in designing and developing user Interfaces for the Android platform. • Familiarize Android SQLite database
Skill Course 23: Android Lab	• Setup and create Android Development Environment. • Understand the limitations and features of developing for mobile devices. • Impart skill in explaining the entire lifecycle of an Android Application. • Enhance skill in developing simple and creative android applications with all basic features incorporated in them
Skill Course 24: Web Development Lab	• Installation of PHP and develop simple PHP programs. • Integrate HTML forms to PHP scripts. • Build Dynamic web site using server-side PHP Programming and Database connectivity. • Design a responsive web site.
Skill Course 25: Minor Project	• Acquire practical knowledge within the chosen area of technology for project development. • Understand the problems faced during project implementation. • Identify, analyze, formulate and handle programming projects

	with a comprehensive and systematic approach. • Contribute as an individual or in a team in development of technical projects. • Develop effective communication skills for presentation of project related activities. • Enhance the problem-solving ability by solving the real-time problems.
Skill Course 26: Free and Open Source Software	• Understand the features of Python. • Familiarization with Control Structure. • Familiarization with Python Advanced Programme in Techniques. • Create a software application using the Python programming • language. And Understand Networking and Database programming
Skill Course 27: Embedded Systems and Internet of Things	• Understand fundamentals of embedded system. • Understand fundamentals of IoT. • Familiarize and analyse IOT development methodologies. • Familiarize major applications of IOT.
Skill Course 28: Virtual and Augmented Reality	• Familiarize VR and AR in marketing. • Understand concepts of VR. • Understand concepts of AR. • Understand the basic applications os AR and VR in different fields.
Skill Course 29: Internet of Things Lab	• Understand functionalities of various single board embedded platforms fundamentals. • Use Raspberry-Pi program to create simple application. • Use Raspberry-Pi program to create network application. • Develop client server application and use cloud services. • Develop comprehensive approach towards building small low cost embedded IoT system.
Skill Course 30: Major Project	• Acquire practical knowledge within the chosen area of technology for project development. • Understand the problems faced during project implementation. • Identify, analyze, formulate and handle programming projects with a comprehensive and systematic approach. • Contribute as an individual or in a team in development of technical projects. • Develop effective communication skills for presentation of project related activities. • Enhance the problem-solving ability by solving the real-time problems.

VALUE ADDED COURSES

Value Added Course 1: Interactive Front End Development	• Understand the basics of HTML 5, CSS and JavaScript and how they fit together on the web. • Learn how to create interactive, engaging web contents using

	• Java Script, CSS, HTML 5 and more.
Value Added Course 2: IT Support Professional	• Implement system installation, keeping system in running condition and troubleshooting if any problem arises. • Understand and create files in MS Office with different formatting features.
Value Added Course 3: Web Development Using Visual Studio	• Understand the structure of web programs developed in VB and XML. • Learn how to create interactive, engaging web contents using VB and XML
Value Added Course 4: Software Testing Foundations	• Understand testing in Software development life cycle. • Learn to prepare test plans manualy and automatically
Value Added Course 5: Windows Azure	• Understand the essentialities of Windows Azure. • Learn the basics of creating virtual machines
Value Added Course 6: Cyber Security	• Understand basic ethical hacking techniques and protectionmechanism

BACHELOR OF VOCATION IN TRAVEL, TOURISM AND LOGISTICS MANAGEMENT PROGRAMME

PSO No.	IntendedProgrammeSpecific Outcomes uponcompletionofBachelorofVocation Travel, Tourism & Logistics Management (B.Voc TTLM)Programme,thegraduates willbeableto:	GPO No.
PSO-1	Workout problems of financial accounting	3,4,6
PSO-2	Explain the theoretical background of business	3,4,5
PSO-3	Interpret the legal and environmental aspects business	1,4,5
PSO-4	Analyse quantitative data in order to take business decisions	1, 6
PSO-5	Explain the tax provisions of business	6,4
PSO-6	Describe the functioning of Banking Companies	1,4
PSO-7	Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and interact productively with people from diverse backgrounds	2
PSO-8	Identify and describe the unique features of e-commerce technology and discuss their business	1,4
PSO-9	Explain the importance of human resources and their effective management in organizations	6,4,1

PSO-10	Exhibit an awareness and sensitivity to retail and tourism management operations	3,6
PSO-11	Attain proficiency and expertise in Documentation and procedures for passenger's travel including Airport Management and tour packaging	3,4,5
PSO-12	Acquire proficiency and expertise in Documentation and procedures for Cargo movement	3,4,5
PSO-13	Secure knowledge & understand the procedures of Worldwide Logistics, Supply Chain Management& resort management	1,6
PSO-13	Practical experience of pre and post tour activities	1,6

GENERAL EDUCATION AND SKILL COMPONENTS

General Education Course 1: Listening and Speaking Skills in English	• Listen to lectures, public announcements and news on TV and radio. • Engage in telephonic conversation. • Communicate effectively and accurately in English. • Use spoken language for various purposes. • Critically analyze a poem or a prose.
General Education Course 2: Business Environment and Ethics	• Explain how the environment affects the working of a business • Explain how social and cultural environment affects business operations • Understand the Environment Impact Assessment and its relevance • Justify the importance of doing business ethically • Understand how to build corporate image
General Education Course 3: Business Statistics– 1	• Explain the features and methods of statistics • Calculate an appropriate measure of central tendency • Calculate an appropriate measure of dispersion • Measure change in a set of related variables over time
General Education Course 4: Reading And Writing Skills	• Understand the mechanism of general and academic writing. • Recognize the different modes of writing. • To assist students to develop literal comprehension skills. • To assist students to develop increased reading efficiency.
General Education Course 5: Marketing Management	• Explain the different types of markets • Explain the scope of Marketing • State the factors on which the market segmentation is based • Analyze the factors that affect the buying decision of a consumer • Explain the various stages of product life cycle, Process of New Product development , Branding ,

	Packaging and Labelling • Explain the various modes of promotion and their determining factor • State the recent developments in Marketing
General Education Course 6: Business Statistics– II	• Understand the concept of research • Determine the relationship between variables using correlation • Determine the probability of simple events • Analyze hypothesis • Construct a project report
General Education Course 7: Business Law	• Define the various of the Contract Act • Describe the various elements of contract • Explain the provisions of various elements of contract • Explain the rights and duties of bailor, Bailee, Pawnee and surety • Distinguish between Bailment and Pledge and Indemnity and Guarantee • Describe the provisions of agency • Explain the Contract of Sale • Describe various important Acts related to Business
General Education Course 8: Financial Accounting	• Explain the basics Financial Accounting • Explain fundamental accounting concepts, rules and principles of accounting • Prepare journals, ledgers, Bank Reconciliation Statement and Trial Balance • Explain the concept of Depreciation and methods of charging depreciation • Prepare the final accounts of Sole trader • Prepare final accounts using TALLY
General Education Course 9: Social Skills	• Understand the concept of social skills by doing tasks. • Develop life skills to cope with stress and do better time management. • Enhance personality development and communication skills of a student. • Prepare for interviews.
General Education Course 10: Corporate Skills	• Develop ability to assimilate in work atmosphere. • Have a good understanding of workspace etiquette. • Get an experience on workspace environment. • Know how to perform in an interview.
General Education Course 11: Principles of Management	• Explain the Principles of Management • Compare contributions of Managerial Scientists • Describe the planning, coordination and decision making process • Explain the principles of organization and staffing • Explain the components of direction- leadership,

	motivation and communication • Explain the process and techniques of control • Explain the modern management techniques
General Education Course 12: Company Law	• Define the basic concepts of companies Act 2013 • Describe the procedure of the formation of a company • List the documents related to formation of a company • Describe the provisions for appointment, removal ,disqualifications and other aspects of a director in a company • Explain the Corporate Governance practice and related concepts • Describe the procedure of Company Meeting • Describe the meaning and modes of winding up in a company • Describe the duties of various liquidators
General Education Course 13: Banking Theory and Practice	• Describe the functions of banking • Describe the recent developments in banking • State the various social banking initiatives • Explain the relationship between the banker and the customer
General Education Course 14: Entrepreneurship Development in Tourism	• Describe Entrepreneurship • Examine role of entrepreneur in economic development • Describe the steps to establish an enterprise • Compare and classify types of entrepreneurs • Explain project Identification • Explain project formulation • Describe project evaluation • Evaluate the entrepreneurial support in India • Describe Special institutions for entrepreneurial development and assistance in India
General Education Course 15: Goods and Services Tax	• Distinguish the earlier indirect tax system and present indirect tax system • Explain the structure of GST • Analyze the benefits of GST • Describe the functions, powers and structure of GST Council and GSTN • Define basic concepts and terms under CGST Act and IGST Act • Explain the provisions of levy and collection of GST • Describe the provisions of Reverse Charge Mechanism and composition scheme of levy • Explain the concept of time, place and value of supply • Explain importance and benefits of Input Tax Credit • Describe the provisions ,types and procedures of Registration

	• Outline the provisions concerned with payment of Tax, interest, IDS, TCS , Refund and returns • Explain various types of Assessment under CGST Act • Describe provisions of Audit, Search & Seizure • Explain various Appellate Authorities under GST regime and its powers
General Education Course 16: Human Resource Management	• Describe concept of Human Resource Management • Explain the methods of planning, recruitment, selection of human resources • Outline the concepts and methods of placement and induction of human resources • Describe the process-methods and problems of performance appraisal • Explain the concept of career planning • Describe the Compensation management and Grievance redressed procedure in organizations
General Education Course 17: Tourism Marketing	• Familiarize the concept of tourism marketing • Picturize the various marketing mix components • Explain about the market research and destination marketing.
General Education Course 18: E-Commerce	• Explain the basic concepts and application of E-Commerce • Describe the types of E-Commerce models • Explain the different modes of Electronic Payment System • Describe the security measures of E-Commerce
Skill Course 1: Principles and Practices of Tourism I	• To understand the history of tourism. • To know the basic concepts and models of tourism. • To know about the tourism industry in detail. • To understand the functional structure of various national and International tourism organizations.
Skill Course 2: Tourism Products	• To have a detailed understanding on various tourism products • To identify the role of cultural, heritage, nature, desert and adventure tourism • To understand various kind of natural tourism forms
Skill Course 3: Travel Geography	• Understand the role of geography in tourism. • Apply the methods of time management in travel and tourism. • To have an idea about various geographical regions. • Understand the concept of map reading.
Skill Course 4: Destination visits and case studies (Min 4 case studies) (20 marks per case study)	• Identify the solutions of major problems faced by the tourist destination. • Understand the preparation of case study report. 111
Skill Course 5:	• Explain the travel motivations.

Principles and Practices of Tourism II	• Examine the impact of socio economic factors in tourism. • Apply the concept of tourism planning and development. • Understand about the various tourism products.
Skill Course 6: Tour Guiding and Escorting	• Explain the characteristics of a tour guide • Apply the tour guiding techniques in conducting tour and in dealing with emergencies.
Skill EducationCourse 7: Air Fares and Ticketing with GDS	• Understand the basics of airline terminology. • Know about passenger tickets and e-tickets. • Use the computerized reservations packages.
Skill Course 8: MICE Tourism	• Understand the fundamental concepts of MICE Travel • To enable the students to understand the managerial and operational aspects pertaining to Event, Meeting, Exhibition and Conference or Convention, Management. • Apply operations planning and implementation of Exhibitions and Event at potential area. • Understand the budget preparations of Conference and Exhibition. • Know about impacts of MICE tourism
Skill Course 9: Summer Internship	• Understand the practical knowledge about the new working area of the industry
Skill Course 10: Travel Agency and Tour Operation Management	• Explain the tour operations of travel agencies. • Outline the functions of tour operators. • Examine the procedural formalities for the establishment of tour operating enterprises.
Skill Course 11: Tour Packaging	• Explain the various tour packages • Explain the stages of tour formulation. • Explain how to develop itinerary • Apply the concept of tour cost and pricing strategies and calculation of the tour cost.
Skill Course 12: Transportation Management	• Understand the concept of tourist transportation • Know he various mode of transport and its components and procedures associated.
Skill Course 13: *Study tour (Pre-Tour and Post Tour Activities)*	• Explain the various activities of pre tour and post tour stage.
Skill EducationCourse 14: Air Cargo Management	• Understand the structure of Aviation and Air Cargo. • Understand the ULD management system & Airline Industry • Analyze IATA as a Cargo agent in Airline industry • Understand the Cargo handling in an Airport • Stay current with the latest trends in Cargo Transferring.

Skill Course 15: Cargo Management	• Understand the global cargo world to avoid strategic and tactical errors • Capitalize on the changes within the cargo industry by researching and planning effectively • Understand shippers' changing needs and how to adjust business for immediate results • Improve competitive performance by acquiring exceptional management tools
Skill Course 16: Logistics and Supply Chain Management	• Evaluate both domestic and international transportation problems and effectively develop and present actionable solutions. • Evaluate and recommend warehouse and DC strategies and effectively manage their distribution processes at the regional, national, and international levels. • Understand the fundamental concepts of Supply Chain Management • Understand the manufacturing operations of a firm • Apply sales and operations planning, MRP and lean manufacturing concepts • Apply quality management tools for process improvement
Skill Course 17: Industry Visit and Report Presentation (Min 4) Major Project	• Understanding functional structure of various sub-industries in tourism and logistics
Skill Course 18: Summer Internship	• Understand the practical knowledge about the new working area of the industry
Skill Course 19: Eco Tourism	• Understand the basic ecotourism principles and its components. • To familiarize ecotourism planning and polices
Skill Course 20: Hospitality Management	• Familiarize the hospitality industry. • Know about the various categories of hotels. • Understand about the hotel operations, front office management and security department.
Skill Course 21: Front Office/ House Keeping Operations	• To have a thorough understanding on front office management and its roles. • To study bout the dealing of reservations, pre arrival procedures and guest stay.
Skill Course 21: Ethical, Legal and Regulatory Framework for Tourism	• Understand the tourism ethics. • Understand the various laws and regulations associated with tourism industry • Familiarize an idea about travel insurance and Consumer Protection Act.
Skill Course 21: Industrial Visit – One Case	• Familiarize the practical knowledge about package tour running and its functions.

Study (Hotels/ Resorts) / National Tour Report	• Understanding the actual functional structuring of star category hotels or resorts.
Skill Course 21: Event Management	• Familiarize the event management concepts. • Identify the components and process of event management. • Understand about the event promotion and various entrepreneurship opportunities.
Skill Course 21: Resort Management	• Familiarize the concept of resort management • Identify the basic elements of a resort complex and various types of resorts. • To understand the major challenges and issues for resort management.
Skill Course 21: Cyber Security and IT for Tourism	• Familiarize the students with computer networks. • To enable the students in understanding the application of IT • To acquaint the students with cyber environment concepts.
Skill Course 22: Project	• Understanding the descriptive idea about the selected topic in concerned discipline

VALUE ADDED COURSES

Value Added Course 1: Office Automation	• To implement system installation, keeping system in running condition and troubleshooting if any problem arises • To Understand and create files in MS Office with different formatting features
Value Added Course 2: Customer Service Skills	• To understanding the basic services skills of customer interaction • Understand the features of Customer services
Value Added Course 3: Computer Reservation System	• Understand the features of GDS • Understand the functional structure of CRS
Value Added Course 4: Airport Ground Services	• Understand the major Airport Services • Understand the Major Ground services in an Airport
Value Added Course 5: Dangerous Goods for Passengers Handling Staff	• Understand the awareness about safety and security services in an Airport • Understand awareness about the Passenger handling in an Airport
Value Added Course 6: Safety and Security Services in an Airport	• . Understand the major Airport Services • Understand awareness about the Passenger handling in an Airport

72.1.2. State how and where the PSOs are published and disseminated

(Describe in which media (eg. websites, curricula, books etc.) PSOs are published and how the same is disseminated among stakeholders).

College Website and Curricula book. Through parent teachers meetings, Board of studies meetings, faculty development programs in college

72.1.3. Indicate processes employed for defining PSOs

(Describe the process that periodically documents and demonstrates that the PSOs are defined in alignment with the graduate attributes of NAAC)

- Staff meeting (Department wise)
- Discussed and designed in Curriculum development workshops
- Discussion with students.
- Suggestions of teachers from other Universities and Industry

72.1.4. Indicate how defined PSOs aligned to Graduate Attributes prescribed by UGC

(Indicate how the PSOs defined for the programme are aligned with the Graduate Attributes of UGC)

The graduate attributes of UGC reflect the particular quality and feature or characteristics of an individual, including the knowledge, skills, attitudes and values that are expected to be acquired by a graduate through studies at the higher education institution (HEI) such as a college or university. The graduate attributes include capabilities that help strengthen one's abilities for widening current knowledge base and skills, gaining new knowledge and skills, undertaking future studies, performing well in a chosen career and playing a constructive role as a responsible citizen in the society. The graduate attributes define the characteristics of a student's university degree programme(s), and describe a set of characteristics/competencies that are transferable beyond study of a particular subject area and programme contexts in which they have been developed. Graduate attributes are fostered through meaningful learning experiences made available through the curriculum, the total college/university experiences and a process of critical and reflective thinking.

The PSO based curriculum framework , can be defined in the basis of graduate attributes of UGC and it is based on the premise that every student and graduate is unique. From the discussions, it was found that PSOs correlating

with graduate attributes of UGC , will improve the characteristics of students in terms of previous learning levels and experiences, life experiences, learning styles and approaches to future career-related actions. The quality, depth and breadth of the learning experiences made available to the students while at the higher education institutions help develop their characteristic attributes. PSOs and the graduate attributes reflect both disciplinary knowledge and understanding, generic skills, including global competencies,that all students in different academic fields of study should acquire/attain and demonstrate.

Graduate attributes of UGC	**PSO**	
	B.Voc IT	**B.Voc TTLM**
Disciplinary knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate programme of study.	**PSO-3**	**PSO-1** **PSO-4** **PSO-5**
Communication Skills: Ability to express thoughts and ideas effectively in writing and orally; Communicate with others using appropriate media; confidently share one's views and express herself/himself; demonstrate the ability to listen carefully, read and write analytically, and present complex information in a clear and concisemanner to different groups.	**PSO-2, PSO-9, PSO-10**	**PSO - 7**
Critical thinking: Capability to apply analytic thought to a body of knowledge; analyse and evaluate evidence, arguments, claims, beliefs on the basis of empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following scientific approach to knowledge development.	**PSO-3**	**PSO-1** **PSO-4** **PSO-14**
Problem solving: Capacity to extrapolate from what one has learned and apply their competencies to solve different kinds of non-familiar problems, rather than replicate curriculum content knowledge; and apply one's learning to real life situations.	**PSO-3 TO PSO-7**	**PSO-1** **PSO-4**
Analytical reasoning: Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyse and synthesise data from a variety of sources; draw valid conclusions and support them withevidence and examples, and addressing opposing viewpoints.	**PSO-3 TO PSO-5**	**PSO-1** **PSO-4**
Research-related skills: A sense of inquiry and capability for asking relevant/appropriate questions, problematising, synthesising and articulating; Ability to recognise cause-and-effect relationships, define problems, formulate hypotheses, test hypotheses, analyse, interpret and draw conclusions from data, establish hypotheses, predict cause-and-effect relationships; ability to plan, execute and report the results of an experiment or investigation.	**PSO-3 TO PSO-5**	**PSO-4**
Cooperation/Team work: Ability to work effectively and respectfully with diverse teams;facilitate cooperative or coordinated effort on the part of a group and act together as a group or a team in	**PSO-1**	**PSO–9** **PSO-7**

the interests of a common cause and work efficiently as a member of a team.		
Scientific reasoning: Ability to analyse, interpret and draw conclusions from quantitative/qualitative data; and critically evaluate ideas, evidence and experiences from an open-minded and reasoned perspective.	**PSO-3 TO PSO-5**	**PSO-4**
Information/digital literacy: Capability to use ICT in a variety of learning situations, demonstrate ability to access, evaluate, and use a variety of relevant information sources; and use appropriate software for analysis of data.	**PSO-1, PSO-2, PSO-9**	**PSO - 8**
Self-directed learning:Ability to work independently, identify appropriate resources required for a project, and manage a project through to completion.	**PSO-1, PSO-2, PSO-10**	
Multicultural competence: Possess knowledge of the values and beliefs of multiple cultures and a global perspective; and capability to effectively engage in a multicultural society and interact respectfully with diverse groups.	**PSO-10**	**PSO-1** **PSO-4** **PSO-5**
Moral and ethical awareness/reasoning: Ability to embrace moral/ethical values in conducting one's life, formulate a position/argument about an ethical issue from multiple perspectives, and use ethical practices in all work. Capable of demonstrating the ability to identify ethical issues related to one's work, avoid unethical behaviour such as fabrication, falsification or misrepresentation of data or committing plagiarism, not adhering to intellectual property rights; appreciating environmental and sustainability issues; and adopting objective, unbiased and truthfulactions in all aspects of work.	**PSO-1**	**PSO-2** **PSO-3** **PSO-6**
Leadership readiness/qualities: Capability for mapping out the tasks of a team or an organization, and setting direction, formulating an inspiring vision, building a team who can help achieve the vision, motivating and inspiring team members to engage with that vision, and using management skills to guide people to the right destination, in a smooth and efficient way.	**PSO-1**	**PSO-13**
Lifelong learning: Ability to acquire knowledge and skills, including "learning how to learn", that are necessary for participating in learning activities throughout life, through self-paced and self-directed learning aimed at personal development, meeting economic, social and cultural objectives, and adapting to changing trades and demands of work place through knowledge/skill development/reskilling	**PSO-6**	**PSO-8 TO PSO-5**
Reflective thinking: Critical sensibility to lived experiences, with self awareness and reflexivity of both self and society.	**PSO-6**	**PSO-1** **PSO-4** **PSO-5**

72.1.5. Establish the correlation between PSOs and POs

Explain how the defined PSOs of the programme correlate with the POs

PROGRAMME: BachelorofVocation in Information Technology (B.Voc IT)

PSO	GPO
PSO-1: Function effectively as an entrepreneur, a team member or team leader and commit to professional ethics.	**GPO.3 Social Interaction:** Foster social skills and peer interaction enabling them to make all peoplefeelvaluedandrespecttheirdifferencesbybeingresponsibleciti zensfor creating asociallyinclusivesociety.
	GPO.4 EthicalStandards: Recognizevaluessuchasjustice,trust,equity, fairness,kindness anddevelopacommitmenttomeetinganduphold ingstandardsofethical behaviorinallwalksoflifeand comprehendingthemoraldimensionsofdecisionsandactions.
	GPO.6 Lifelong Learning: Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment.
PSO-2: Comprehend and write effective reports, presentations, design documentations and to give and receive clear instructions.	**GPO.1 CriticalThinking**: Takeaninformedandanalyticalapproachtolearninganddemonstratei n-depthknowledgeofthesubjectandgiveopinion(s)supportedbylogical reasoningthatonehavejudgedtobeappropriateandunderstandingdiff erent approaches andusingthem.
	GPO.2 Effective Communication: Demonstrate proficiency in communicating competentlyin groups and organizations, competence in interpersonal communication; possessskillsto effectivelydeliverformaland informalpresentationstoavariety of audiences inmultiple contexts.
PSO-3: Apply the knowledge of Mathematics to identify, formulate and solve real life complex engineering and computing problems	**GPO.1 CriticalThinking**: Takeaninformedandanalyticalapproachtolearninganddemonstratein-depthknowledgeofthesubjectandgiveopinion(s)supportedbylogicalr easoningthatonehavejudgedtobeappropriateandunderstandingdiffer ent approaches andusingthem.
	GPO.2 Effective Communication: Demonstrate proficiency in communicating competentlyin groups and organizations, competence in interpersonal communication; possessskillsto effectivelydeliverformaland informalpresentationstoavariety of audiences inmultiple contexts.
	GPO.3 Social Interaction: Foster social skills and peer interaction enabling them to make all peoplefeelvaluedandrespecttheirdifferencesbybeingresponsiblecitiz ensfor creating asociallyinclusivesociety.

PSO-4: Apply the knowledge of technology and management principles to design, develop and provide solutions to complex problems in IT filed using modern tools.	**GPO.3 Social Interaction:** Foster social skills and peer interaction enabling them to make all peoplefeelvaluedandrespecttheirdifferencesbybeingresponsiblecitizensfor creating asociallyinclusivesociety.
	GPO.4 EthicalStandards: Recognizevaluessuchasjustice,trust,equity, fairness,kindness anddevelopacommitmenttomeetinganduphold ingstandardsofethical behaviorinallwalksoflifeand comprehendingthemoraldimensionsofdecisionsandactions.
	GPO.6 Lifelong Learning: Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment.
PSO-5: Understand how to identify, formulate and design solutions in the areas of Computer Science and Engineering.	**GPO.1 CriticalThinking**: Takeaninformedandanalyticalapproachtolearninganddemonstrate in-depthknowledgeofthesubjectandgiveopinion(s)supportedbylogical reasoningthatonehavejudgedtobeappropriateandunderstanding different approaches andusingthem.
PSO-6: Develop skills in software development so as to enable the graduates to take up employment/self-employment in local, Indian & global software market.	**GPO.1 CriticalThinking**: Takeaninformedandanalyticalapproachtolearninganddemonstratein-depthknowledgeofthesubjectandgiveopinion(s)supportedbylogicalreasoningthatonehavejudgedtobeappropriateandunderstandingdifferent approaches andusingthem.
PSO-7: Adopt any modern engineering tool or software for analyzing and solving various computer engineering problems	**GPO.1 CriticalThinking**: Takeaninformedandanalyticalapproachtolearninganddemonstrate in-depthknowledgeofthesubjectandgiveopinion(s)supportedbylogical reasoningthatonehavejudgedtobeappropriateandunderstanding different approaches andusingthem.
	GPO.2 Effective Communication: Demonstrate proficiency in communicating competentlyin groups and organizations, competence in interpersonal communication; possessskillsto effectivelydeliverformaland informalpresentationstoavariety of audiences inmultiple contexts.
PSO-8: Have the knowledge of contemporary issues and able to apply various software engineering approaches for project management	**GPO.1 CriticalThinking**: Takeaninformedandanalyticalapproachtolearninganddemonstrate in-depthknowledgeofthesubjectandgiveopinion(s)supportedbylogical reasoningthatonehavejudgedtobeappropriateandunderstanding different approaches andusingthem.
	GPO.2 Effective Communication: Demonstrate proficiency in communicating competentlyin groups and organizations, competence in interpersonal communication; possessskillsto effectivelydeliverformaland informalpresentationstoavariety of audiences inmultiple

	contexts.
	GPO.3 Social Interaction: Foster social skills and peer interaction enabling them to make all peoplefeelvaluedandrespecttheirdifferencesbybeingresponsiblecitizensfor creating asociallyinclusivesociety.
PSO-9: Communicate effectively on complex programming activities with the IT community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	**GPO.1 CriticalThinking**: Takeaninformedandanalyticalapproachtolearninganddemonstrate in-depthknowledgeofthesubjectandgiveopinion(s)supportedbylogicalreasoningthatonehavejudgedtobeappropriateandunderstanding different approaches andusingthem.
	GPO.3 Social Interaction: Foster social skills and peer interaction enabling them to make all peoplefeelvaluedandrespecttheirdifferencesbybeingresponsiblecitizensfor creating asociallyinclusivesociety.
	EnvironmentalConsciousness: Discerntheissuesofenvironmentalcontextsandengagesinpromotingvaluesandattitudesthatclaimcoexistenceandsustainable livingwithreduced,minimal,ornoharmuponecosystems
PSO-10: Organize and deliver relevant applications of knowledge through effective written verbal, graphical/virtual communication and interact productively with people from diverse background.	**GPO.3 Social Interaction:** Foster social skills and peer interaction enabling them to make all peoplefeelvaluedandrespecttheirdifferencesbybeingresponsiblecitizensfor creating asociallyinclusivesociety.

PROGRAMME: BachelorofVocation in Travel, Tourism and Logistics Management (B.Voc TTLM)

PSO	GPO
PSO-1: Function Workout problems of financial accounting	**GPO1Critical Thinking**: Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them
PSO-2: Explain the theoretical background of business	**GPO 4Ethical Standards:** Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions.

PSO-3: Interpret the legal and environmental aspects business	**GPO 4Ethical Standards:** Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions
PSO-4: Analyze quantitative data in order to take business decisions	**GPO1Critical Thinking**: Take an informed and analytical approach to learning and demonstrate in-depth knowledge of the subject and give opinion(s) supported by logical reasoning that one have judged to be appropriate and understanding different approaches and using them
PSO-5: Explain the tax provisions of business	**GPO.1 CriticalThinking**: Takeaninformedandanalyticalapproachtolearningandde monstratein-depthknowledgeofthesubjectandgiveopinion(s)supporte dbylogicalreasoningthatonehavejudgedtobeappropriatea ndunderstandingdifferentapproaches andusingthem.
PSO-6: Describe the functioning of Banking Companies	**GPO 4Ethical Standards:** Recognize values such as justice, trust, equity, fairness, kindness and develop a commitment to meeting and upholding standards of ethical behavior in all walks of life and comprehending the moral dimensions of decisions and actions
PSO-7: Organize and deliver relevant applications of knowledge through effective written, verbal, graphical/virtual communications and interact productively with people from diverse backgrounds	**GPO.3 Social Interaction:** Foster social skills and peer interaction enabling them to make all peoplefeelvaluedandrespecttheirdifferencesbybeingresp onsiblecitizensfor creating asociallyinclusivesociety.
	GPO.2 Effective Communication: Demonstrate proficiency in communicating competentlyin groups and organizations, competence in interpersonal communication; possessskillsto effectivelydeliverformaland informalpresentationstoavariety of audiencesinmultiple contexts.
PSO-8: Identify and describe the unique features of e-commerce technology and discuss their business significance	**GPO6 Lifelong Learning:** Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfilment
PSO-9: Explain the importance of human resources and their effective management in organizations	**GPO.2 Effective Communication:** Demonstrate proficiency in communicating competentlyin groups and organizations, competence in interpersonal communication; possessskillsto effectivelydeliverformaland informalpresentationstoavariety of audiencesinmultiple contexts
PSO-10: Exhibit an awareness and sensitivity to retail and tourism management operations	**GPO6 Lifelong Learning:** Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the

	knowledge and skills needed for employment and personal fulfilment
PSO-11: Attain proficiency and expertise in Documentation and procedures for passenger's travel including Airport Management and tour packaging	**GPO6 Lifelong Learning:** Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfilment
PSO-12: Acquire proficiency and expertise in Documentation and procedures for Cargo movement	**GPO6 Lifelong Learning:** Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfilment
PSO-13: Secure knowledge &understand the procedures of Worldwide Logistics, Supply Chain Management& resort management	**GPO6 Lifelong Learning:** Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfilment
PSO-14: Practical experience of pre and post tour activities	**GPO6 Lifelong Learning:** Acquire the skill to be an independent lifelong learner embracing real-time changes in the socio-technological context, promoting continuous development and improvement of the knowledge and skills needed for employment and personal fulfilment

72.2..... Attainment of Programme Specific Outcomes

72.2.1. Illustrate how Course outcomes (CO) contribute to PSOs

(Provide the correlation between the course outcomes and the programme specific outcomes. The strength of correlation may also be indicated)

B.Voc Information Technology

PSO's	General Education /Skill Course	Semester	Paper	CO's
PSO-1	General Education	I	Listening and Speaking Skills in English	**CO-3, CO-4**
		II	Discrete Mathematics II	**CO-2**
		III	Social Skills	**CO-1, CO-2, CO-3**

			Statistical Methods and Probability	**CO-9, CO-10**
		V	Entrepreneurship Development	**CO-1, CO-2, CO-3, CO-4**
		IV	Corporate Skills	**CO-1, CO-2, CO-3, CO-4**
	Skill Course	II	Data Structures and Algorithms	**CO-2**
		V	Minor Project	**CO-4**
		VI	Major Project	**CO-4**
PSO-2	General Education	I	Listening and Speaking Skills	**CO-1, CO-3, CO-4**
		II	Reading and Writing Skills	**CO-1, CO-2, CO-3, CO-4**
		II	Discrete Mathematics II	**CO-1**
		III	Social Skills	**CO-1, CO-3**
		III	Statistical Methods and Probability	**CO-1, CO-11**
		IV	Corporate Skills	**CO-4**
PSO-3	General Education	I	Discrete Mathematics I	**CO-1, CO-4, CO-6, CO-8**
		II	Discrete Mathematics II	**CO-1, CO-3**
		III	Statistical Methods and Probability	**CO-1, CO-4, CO-6, CO-8, CO-10, CO-11**
		V	Information Security	**CO-2**
	Skill Course	I	Programming in C	**CO-3, CO-5, CO-6**
		I	C Programming Lab	**CO-1**
		III	Object Oriented Programming using Java	**CO-4, CO-5**
		IV	Operating Systems	**CO-3, CO-4, CO-5**
		V	Mobile Application Development- Android	**CO-1**
PSO-4	General Education	I	Introduction to IT	**CO-1, CO-2**
		I	Discrete Mathematics I	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-7, CO-8**

		II	Discrete Mathematics II	**CO-1, CO-2**
		III	Statistical Methods and Probability	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-7, CO-8, CO-9, CO-10**
		IV	Management Information Systems	**CO-1, CO-2, CO-3**
		IV	Principles of Management	**CO-1, CO-2, CO-3, CO-4, CO-5**
		V	Information Security	**CO-3**
		VI	IT & Society	**CO-1**
	Skill Course	I	Programming in C	**CO-5, CO-6**
		I	C Programming Lab	**CO-1, CO-3**
		I	Office Automation, Image Editing and Latex	**CO-1, CO-2, CO-3, CO-4**
		I	Office Automation and Latex Lab	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6**
		II	Digital Electronics	**CO-1**
		III	Software Engineering and Testing	**CO-1, CO-3**
		III	Business Informatics and Accounting	**CO-1**
		III	Object Oriented Programming using Java	**CO-6, CO-7**
		III	Business Accounting Lab	**CO-1, CO-2, CO-3**
		IV	Operating Systems	**CO-3, CO-4, CO-5**
		IV	Computer Animations Lab	**CO-1, CO-2, CO-3**
		V	Web Development	**CO-1**
		V	Minor Project	**CO-1**
		VI	Embedded Systems and Internet of Things	**CO-1, CO-2, CO-3, CO-4**
		VI	Internet of Things Lab	**CO-1, CO-2, CO-3, CO-4**
		VI	Major Project	**CO-1**
PSO-5	General Education	II	Environmental Studies	**CO-2, CO-3, CO-4**

		V	Information Security	**CO-1, CO-4**
		VI	Informatics	**CO-1**
		VI	Digital Marketing	**CO-1, CO-3**
		VI	IT & Society	**CO-2, CO-3, CO-4**
	Skill Course	I	Programming in C	**CO-1, CO-2**
		I	C Programming Lab	**CO-3**
		I	Computer Architecture and Organization	**CO-1, CO-2, CO-3, CO-4**
		I	Office Automation, Image Editing and Latex	**CO-1**
		I	Office Automation and Latex Lab	**CO-1, CO-2, CO-5**
		II	Data Base Management Systems	**CO-1, CO-3**
		II	Data Base Management Systems Lab	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6, CO-7**
		II	Data Structures and Algorithms	**CO-1, CO-2, CO-3, CO-4**
		II	Data Structure Lab	**CO-1, CO-2, CO-3**
		II	Digital Electronics	**CO-2, CO-3, CO-4**
		III	Microprocessor and PC Hardware	**CO-1, CO-4**
		III	Software Engineering and Testing	**CO-2, CO-3**
		III	Object Oriented Programming using Java	**CO-1, CO-3**
		III	Java Programming Lab	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6**
		IV	Object Oriented Modeling And Design	**CO-1**
		IV	Operating Systems	**CO-1**
		IV	Computer Networks	**CO-1, CO-3, CO-4, CO-5, CO-6**
		IV	Network and Operating Systems Lab	**CO-1, CO-2**
		V	Web Development	**CO-2**

		V	Web Development Lab	**CO-2, CO-3, CO-4**
		V	Android Lab	**CO-1, CO-2, CO-3, CO-4**
		V	Minor Project	**CO-2, CO-3**
		VI	Free and Open Source Software	**CO-1, CO-2, CO-3, CO-4**
		VI	Embedded Systems and Internet of Things	**CO-1, CO-2, CO-3, CO-4**
		VI	Major Project	**CO-3, CO-4, CO-5**
		VI	Major Project	**CO-2, CO-3**
PSO-6	General Education	I	Introduction to IT	**CO-3**
		II	Environmental Studies	**CO-4**
		VI	Informatics	**CO-2**
		VI	Digital Marketing	**CO-2**
	Skill Course	I	Programming in C	**CO-4**
		I	C Programming Lab	**CO-2, CO-5**
		II	Data Base Management Systems	**CO-2**
		II	Data Base Management Systems Lab	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6, CO-7**
		II	Data Structures and Algorithms	**CO-1, CO-2, CO-3, CO-4**
		II	Data Structure Lab	**CO-1, CO-2, CO-3**
		III	Business Informatics and Accounting	**CO-2, CO-3, CO-4, CO-5**
		III	Software Engineering and Testing	**CO-1, CO-2, CO-4**
		III	Object Oriented Programming using Java	**CO-2**
		III	Java Programming Lab	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6**
		IV	Operating Systems	**CO-2**
		IV	Object Oriented Modeling And Design	**CO-2, CO-3**

		IV	Computer Animations Lab	**CO-1, CO-2, CO-3**
		V	Minor Project	**CO-3, CO-4, CO-5**
		V	Mobile Application Development- Android	**CO-1, CO-2, CO-3, CO-4, CO-5**
		V	Android Lab	**CO-1, CO-2, CO-3, CO-4**
		VI	Free and Open Source Software	**CO-1, CO-2, CO-3, CO-4**
		VI	Internet of Things Lab	**CO-1, CO-2, CO-3, CO-4, CO-5**
		VI	Major Project	**CO-3, CO-4, CO-5**
PSO-7	General Education	I	Introduction to IT	**CO-3, CO-5**
		I	Discrete Mathematics I	**CO-3, CO-4, CO-7**
		II	Discrete Mathematics II	**CO-3**
		III	Statistical Methods and Probability	**CO-2, CO-3, CO-4, CO-7, CO-11**
		V	Information Security	**CO-1, CO-4**
	Skill Course	II	Data Base Management Systems	**CO-4, CO-5**
		II	Data Base Management Systems Lab	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6, CO-7**
		II	Data Structures and Algorithms	**CO-1, CO-2, CO-3, CO-4**
		II	Data Structure Lab	**CO-1, CO-2, CO-3**
		III	Software Engineering and Testing	**CO-1, CO-5**
		III	Java Programming Lab	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6**
		III	Microprocessor and PC Hardware	**CO-2**
		IV	Object Oriented Modeling And Design	**CO-4**
		IV	Network and Operating Systems Lab	**CO-3, CO-4**
		V	Web Development	**CO-3**
		V	Web Development Lab	**CO-1**

		V	Minor Project	**CO-3, CO-4, CO-5, CO-6**
		VI	Free and open source software	**CO-1, CO-2, CO-3, CO-4**
		VI	Embedded Systems and Internet of Things	**CO-1, CO-2, CO-3, CO-4**
		VI	Internet of Things Lab	**CO-1, CO-2, CO-3, CO-4, CO-5**
		VI	Major Project	**CO-3, CO-4, CO-5, CO-6**
PSO-8	General Education	I	Introduction to IT	**CO-4, CO-6**
		II	Environmental Studies	**CO-1**
		II	Reading and Writing Skills	**CO-4**
		IV	Management Information Systems	**CO-4, CO-5, CO-6**
		VI	Informatics	**CO-3**
	Skill Course	I	C Programming Lab	**CO-4**
		III	Software Engineering and Testing	**CO-1, CO-4**
		IV	Computer Networks	**CO-1, CO-3, CO-4, CO-5, CO-6**
PSO-9	General Education	I	Listening and Speaking Skills	**CO-1, CO-2, CO-3, CO-4**
		I	Discrete Mathematics I	**CO-6**
		I	Introduction to IT	**CO-7**
		II	Reading and Writing Skills	**CO-1, CO-2, CO-3, CO-4**
		II	Discrete Mathematics II	**CO-3**
		III	Social Skills	**CO-3**
		III	Statistical Methods and Probability	**CO-6, CO-11**
		IV	Corporate Skills	**CO-1, CO-2, CO-3, CO-4**
	Skill Course	I	Office Automation, Image Editing and Latex	**CO-2**
		II	Digital Electronics	**CO-5**
		III	Software Engineering and Testing	**CO-5**

		III	Microprocessor and PC Hardware	**CO-3, CO-5**
		IV	Network and Operating Systems Lab	**CO-5**
		V	Web Development	**CO-4**
		V	Minor Project	**CO-6**
		VI	Major Project	**CO-6**
PSO-10	General Education	I	Listening and Speaking Skills	**CO-1, CO-4, CO-5**
		I	Discrete Mathematics I	**CO-2, CO-3, CO-5, CO-7**
		II	Reading and Writing Skills	**CO-1, CO-2, CO-3, CO-4**
		II	Discrete Mathematics II	**CO-2**
		III	Social Skills	**CO-1, CO-2, CO-3, CO-4**
		III	Statistical Methods and Probability	**CO-2, CO-3, CO-5, CO-7, CO-8, CO-9, CO-11**
		IV	Corporate Skills	**CO-1, CO-2, CO-3, CO-4**
	Skill Course	V	Web Development	**CO-5**
		V	Minor Project	**CO-5**
		VI	Major Project	**CO-5**

B.Voc Travel, Tourism and Logistics Management

PSO's	General Education /Skill Course	Semester	Paper	CO's
PSO-1	General Education	III	Financial Accounting	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6**
PSO-2	General Education	IV	Principles of Management	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6, CO-7**

	General Education	II	Marketing Management	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6**
	General Education	V	Entrepreneurship Development	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6, CO-7, CO-8, CO-9**
	Skill Course	VI	Tourism Marketing	**CO-1, CO-2, CO-3**
PSO-3	General Education	I	Business Environment & Ethics	**CO-1, CO-2, CO-3, CO-4, CO-5**
	General Education	III	Business Law	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6, CO-7, CO-8**
	General Education	IV	Company Law	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6, CO-7, CO-8**
	Skill Course	V	Ethical, Legal and Regulatory Framework for Tourism,	**CO-1, CO-2, CO-3**
	Skill Course	VI	Cyber Security and IT for Tourism	**CO-1, CO-2, CO-3**
PSO-4	General Education	I	Business statistics 1	**CO-1, CO-2, CO-3, CO-4**
	General Education	II	Business statistics 2	**CO-1, CO-2, CO-3, CO-4**
PSO-5	General Education	V	Goods and Services Tax	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6, CO-7, CO-8, CO-9, CO-10, CO-11**
PSO-6	General Education	V	Banking Theory and Practice	**CO-1, CO-2, CO-3, CO-4**
PSO-7	General Education		Listening and Speaking Skills in English	**CO-1, CO-2, CO-3, CO-4, CO-5**
	General Education		Reading and Writing Skills	**CO-1, CO-2, CO-3, CO-4**
	General Education		Social Skills	**CO-1, CO-2, CO-3, CO-4**
	General Education		Corporate Skills	**CO-1, CO-2, CO-3, CO-4**
PSO-8	General Education	VI	E-Commerce	**CO-1, CO-2, CO-3, CO-4, CO-5**
PSO-9	General Education	I	Human Resource Management	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6**
PSO-10	Skill Course	I	Principles and Practices of Tourism I	**CO-1, CO-2, CO-3, CO-4**
	Skill Course	I	Tourism Products	**CO-1, CO-2, CO-3**

	Skill Course	II	Principles and Practices of Tourism II	**CO-1, CO-2, CO-3, CO-4**
	Skill Course	V	Eco Tourism	**CO-1, CO-2**
PSO-11	Skill Course	I	Travel Geography	**CO-1, CO-2, CO-3, CO-4**
	Skill Course	I	Destination visits and case studies,	**CO-1**
	Skill Course	III	Travel Agency and Tour Operation Management	**CO-1, CO-2, CO-3**
	Skill Course	III	Transportation Management	**CO-1, CO-2**
	Skill Course	V	Hospitality Management	**CO-1, CO-2, CO-3**
	Skill Course	V	Front Office/ House Keeping Operations	**CO-1, CO-2**
	Skill Course	III	Tour Packaging	**CO-1, CO-2, CO-3, CO-4**
PSO– 12	Skill Course	IV	Cargo Management,	**CO-1, CO-2, CO-3, CO-4**
	Skill Course	IV	Air Cargo Management	**CO-1, CO-2, CO-3, CO-4, CO-5**
PSO – 13	Skill Course	II	Tour Guiding and Escorting,	**CO-1, CO-2**
	Skill Course	II	Air Fares and Ticketing with GDS	**CO-1, CO-2, CO-3**
	Skill Course	II	MICE Tourism	**CO-1, CO-2, CO-3, CO-4, CO-5**
	Skill Course	IV	Logistics Supply Chain Management	**CO-1, CO-2, CO-3, CO-4, CO-5, CO-6, CO-7, CO-8**
	Skill Course	VI	Event Management	**CO-1, CO-2, CO-3**
	Skill Course	VI	Resort Management	**CO-1, CO-2, CO-3**
PSO– 14	Skill Course	V	Study tour	**CO-1**
	Skill Course	IV	Industrial Visit and Report Presentation	**CO-1**

	Skill Course	II & VI	Project (Minor and Major)	**CO-1**

72.2.2. Explain how modes of delivery of courses help in attainment of PSOs

(Describe the different course delivery methods/ modes, e. g. lectures interspersed with discussion, asynchronous mode of interaction, group discussion projects etc., used to deliver the courses and justify the effectiveness of these methods for the attainment of PSOs. This may be further justified using the indirect assessment methods such as course-end surveys.)

Department conducts interaction with students, (for every classes on every subjects). From PPT and video assisted lecturing, level of perception is improved. Mentors also can help students to attain PSOs.

72.2.3. Indicate the extent to which the laboratory and project course work are contributing towards the attainment of the PSOs

(Justify the balance between theory and practical for the attainment of PSOs. Justify how the various project works (a sample of 20% best and average projects from total projects) carried as part of the programme curriculum contribute towards the attainment of the PSOs.)

Practical is more on learning by doing, Students will get a clear picture of what they have learned in theory class. Internships and projects will also help in the attainment of PSO

72.3..... Assessment of the Attainment of Program Specific Outcomes

72.3.1. Describe assessment tools and processes used for assessing the attainment of each PSO

(Describe the assessment process that periodically documents and demonstrates the degree to which the PSOs are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each the PO is based. Examples of data

collection processes may include, but are not limited to, specific exam questions, student portfolios, internally developed assessment exams, senior project presentations, nationally-normed exams, oral exams, focus groups, industrial advisory committee; the frequency with which these assessment processes are carried out.)

Major assessment tools used were test series for each classes based on Question Bank prepared. Module wise Question Bank was prepared on the basis of PSOs and respective COs . Evaluation based on In Semester exams also has revealed how the curriculum helps to attain the specific PSOs. Overall assessment based on PSO's can only be done after the observation based on In semester and End semester exams.

72.3.2. Indicate results of assessment of each PSOs

a) The expected level of attainment for each of the program outcomes;

b) Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the programme outcomes are attained; and

c) How the results are documented and maintained.

72.4..... Use of Assessment results towards improvement of programme

(Articulate, with rationale, how the results of the evaluation of the PSOs have been used to review/redefine the PSOs)

73. Program Curriculum

73.1..... Curriculum

73.1.1. Describe the Structure of the Curriculum

(List the course outcomes of the courses in programme curriculum and programme specific outcomes of the programme under accreditation)

B.VOC IN INFORMATION TECHNOLOGY

The B.Voc programme in Information Technology includes General Education Component, Skill Component, project work, Viva Voce, Destination visit, Case Studies and Internships. For the successful completion of this UG

programme, a student shall acquire minimum 180 credits. Provision has also been made for acquiring Extra credits through the Value Added Courses. The course design is given below.

Sl.No	Course type	No. of courses	Total credits
1	General Education Component	18	72
2	Skill Component	31	108
Total		**49**	**180**

PROGRAMME STRUCTURE

Course Code	Subject	General/ Skill	Credit	Contact hrs/Week	Total Hrs in the Sem	Marks ESE	MarksCE	Total Marks
SEMESTER – I								
EV1811501	Listening and Speaking skills in English	General	4	4	72	80	20	100
IT1811202	Discrete Mathematics I	General	4	4	72	80	20	100
IT1811201	Introduction to IT	General	4	4	72	80	20	100
IT1811101	Programming in C	Skill	4	4	72	80	20	100
IT1811103	Computer Architecture and Organization	Skill	4	4	72	80	20	100
IT1811102	Office Automation, Image Editing and Latex	Skill	3	3	54	80	20	100
IT1811602	Office Automation, Image Editing and Latex Lab	Skill	3	3	54	80	20	100
IT1811601	C Programming Lab	Skill	4	4	72	80	20	100
Total			**30**	**30**	**540**	**640**	**160**	**800**
SEMESTER – II								
EN1812505	Reading and Writing Skills	General	4	4	72	80	20	100
IT1812202	Environmental Studies	General	4	4	72	80	20	100

MT1812204	Discrete Mathematics-II	General	4	4	72	80	20	100
CA1812106	Data Structures and Algorithms	Skill	4	4	72	80	20	100
CA1812103	Data Base Management Systems	Skill	4	4	72	80	20	100
IT1812102	Digital Electronics	Skill	4	4	72	80	20	100
CA1812603	Data Base Management Systems Lab	Skill	3	3	54	80	20	100
CA1812604	Data Structure Lab	Skill	3	3	54	80	20	100
Total			**30**	**30**	**540**	**640**	**160**	**800**
Course Code	**Subject**	**General/ Skill**	**Credit**	**Contact hrs/Week**	**Total Hrs in the Sem**	**Marks ESE**	**MarksCE**	**Total Marks**
SEMESTER – III								
ST1813206	Statistical Methods And Probability	General	4	4	72	80	20	100
EN1813507	Social Skills	General	4	4	72	80	20	100
CM1813201	Business informatics and Principles of Accounting	General	4	4	72	80	20	100
CA1813110	Object Oriented Programming using Java	Skill	4	4	72	80	20	100
CA1813111	Software Engineering and Testing	Skill	4	4	72	80	20	100
CA1813107	Microprocessor and PC Hardware	Skill	4	4	72	80	20	100
CA1813605	Java Programming Lab	Skill	3	3	54	80	20	100
CM1813601	Business Accounting Lab	Skill	3	3	54	80	20	100
Total			**30**	**30**	**540**	**640**	**160**	**800**
SEMESTER – IV								
EN1814509	Corporate Skills	General	4	4	72	80	20	100
IT1814203	Management Information Systems	General	4	4	72	80	20	100

CM1814205	Principles of Management	General	4	4	72	80	20	100
CA1814114	Operating Systems	Skill	4	4	72	80	20	100
CA1814115	Computer Networks	Skill	4	4	72	80	20	100
IT1814103	Object Oriented Modeling And Design	Skill	3	4	72	80	20	100
CA1814606	Networks and Operating Systems Lab	Skill	3	3	54	80	20	100
CA1814607	Computer Animations Lab	Skill	3	3	54	80	20	100
IT1814801	Summer Internship	Skill	1			80	20	100
Total			**30**	**30**	**540**	**720**	**180**	**900**
Course Code	**Subject**	**General/ Skill**	**Credit**	**Contact hrs/Week**	**Total Hrs in the Sem**	**Marks ESE**	**MarksCE**	**Total Marks**
SEMESTER – V								
IT1815204	Information security	General	4	4	72	80	20	100
IT1815205	Aptitude And Logical Reasoning	General	4	4	72	80	20	100
CM1815202	Entrepreneurship Development	General	4	3	54	80	20	100
IT1815104	Web development	Skill	4	4	72	80	20	100
CA1815117	Mobile Application Development- Android	Skill	4	4	72	80	20	100
CA1815608	Android Lab	Skill	3	3	54	80	20	100
CA1815609	Web development Lab	Skill	3	4	72	80	20	100
CA1815802	Minor Projects	Skill	4	4	72	80	20	100
Total			**30**	**30**	**540**	**640**	**160**	**800**
SEMESTER – VI								
IT1816206	Digital Marketing	General	4	4	72	80	20	100
IT1816207	Informatics	General	4	4	72	80	20	100

IT1816208	IT And Society	General	4	4	72	80	20	100
IT1816105	Free and Open Source Software	Skill	4	4	72	80	20	100
IT1816106	Embedded Systems and Internet of Things	Skill	4	4	72	80	20	100
IT1816107	Virtual and Augmented Reality	Skill	3	3	54	80	20	100
IT1816602	Internet of Things Lab	Skill	3	3	54	80	20	100
IT1816803	Major Project	Skill	4	4	72	120	30	150
IT1816901	Viva Voce							50
Total			**30**	**30**	**540**	**640**	**160**	**900**

GENERAL EDUCATION COMPONENTS

Sl.No	Course Name	Credit	Hrs/W	Semester
1	Listening and Speaking skills in English	4	4	1
2	Discrete Mathematics I	4	4	1
3	Introduction to IT	4	4	1
4	Reading and Writing Skills	4	4	2
5	Environmental Studies	4	4	2
6	Discrete Mathematics-II	4	4	2
7	Statistical Methods And Probability	4	4	3
8	Social Skills	4	4	3
9	Business informatics and Principles of Accounting	4	4	3
10	Corporate Skills	4	4	4
11	Management Information Systems	4	4	4
12	Principles of Management	4	4	4
13	Information security	4	4	5

14	Aptitude And Logical Reasoning	4	4	5
15	Entrepreneurship Development	4	3	5
16	Digital Marketing	4	4	6
17	Informatics	4	4	6
18	IT And Society	4	4	6
Total		**72**		

SKILL EDUCATION COMPONENTS

Sl.No	Course Name	Credit	Hrs/W	Semester
1	Programming in C	4	4	1
2	Computer Architecture and Organization	4	4	1
3	Office Automation, Image Editing and Latex	3	3	1
4	Office Automation, Image Editing and Latex Lab	3	3	1
5	C Programming Lab	4	4	1
6	Data Structures and Algorithms	4	4	2
7	Data Base Management Systems	4	4	2
8	Digital Electronics	4	4	2
9	Data Base Management Systems Lab	3	3	2
10	Data Structure Lab	3	3	2
11	Object Oriented Programming using Java	4	4	3
12	Software Engineering and Testing	4	4	3
13	Microprocessor And PC Hardware	4	4	3
14	Java Programming Lab	3	3	3
15	Business Accounting Lab	3	3	3
16	Operating Systems	4	4	4
17	Computer Networks	4	4	4

18	Object Oriented Modeling and Design	3	4	4
19	Networks and Operating Systems Lab	3	3	4
20	Computer Animations Lab	3	3	4
21	Summer Internship	1	-	4
22	Web development	4	4	5
23	Mobile Application Development-Android	4	4	5
24	Android Lab	3	3	5
25	Web development Lab	3	4	5
26	Project Phase I	4	4	5
27	Free and Open Source Software	4	4	6
28	Embedded Systems and Internet of Things	4	4	6
29	Virtual and Augmented Reality	3	3	6
30	Internet of Things Lab	3	3	6
31	Project Phase II	4	4	6
Total		**108**		

VALUE ADDED COURSES

Sl No	Code	Course Name	Semester
1	IT18A1001	Interactive Front End Development	1
2	IT18A1002	It Support Professional	2
3	IT18A1003	Web Development Using Visual Studio	3
4	IT18A1004	Software Tesing Foundations	4
5	IT18A1005	Windows Azure	5
6	IT18A1006	Cyber Security	6

B.VOC IN TRAVEL, TOURISM AND LOGISTICS MANAGEMENT

The B.Vocprogramme in Travel, Tourism and Logistics Management includes General Education Component, Skill Component, project work, Viva Voce, Destination visit, Case Studies and Internships. For the successful completion of this UG programme, a student shall acquire minimum 180 credits. Provision has also been made for acquiring Extra credits through the Value Added Courses. The course design is given below.

Sl.No	Course type	No. of courses	Total credits
1	General Education Component	18	72
2	Skill Component	27	108
Total		**45**	**180**

PROGRAMME STRUCTURE

Course Code	Subject	General/ Skill	Credit	Contact hrs./Week	Total Hrs in the Sem	Marks ESE	MarksCE	Total Marks
SEMESTER – I								
EV1811501	Listening and Speaking Skills in English	General	4	4	72	80	20	100
TT1811201	Business Environment and Ethics	General	4	5	90	80	20	100
TT1811202	Business Statistics– 1	General	4	5	90	80	20	100
TT1811101	Principles and Practices of Tourism I	Skill	5	5	90	80	20	100
TT1811102	Tourism Products	Skill	5	5	90	80	20	100
TT1811103	Travel Geography	Skill	5	5	90	80	20	100

TT1811801	Destination visits and case studies (Min 4 case studies) (20 marks per case study)	Skill	3	1	18	80	20	100
Total			**30**	**30**	**540**	**560**	**140**	**700**
SEMESTER – II								
EV1812502	Reading and writing Skills	General	4	4	72	80	20	100
TT1812203	Marketing Management	General	4	4	72	80	20	100
TT1812204	Business Statistics– II	General	4	4	72	80	20	100
TT1812104	Principles and Practices of Tourism II	Skill	4	5	90	80	20	100
TT1812105	Tour Guiding and Escorting	Skill	4	4	72	80	20	100
TT1812106	Air Fares and Ticketing with GDS	Skill	4	5	90	80	20	100
TT1812107	MICE Tourism	Skill	4	4	72	80	20	100
TT1812802	Minor- Project (Eco-Tourism Destination)	Skill	2	-	-	80	20	100
Total			**30**	**30**	**540**	**640**	**160**	**800**
Course Code	**Subject**	**General/ Skill**	**Credit**	**Contact Hrs/Week**	**Total Hrs in the Sem**	**Marks ESE**	**MarksCE**	**Total Marks**
SEMESTER – III								
TT1813205	Business Law	General	4	5	90	80	20	100
TT1813206	Financial Accounting	General	4	5	90	80	20	100
EV1813503	Social Skills	General	4	4	72	80	20	100
TT1813108	Travel Agency and Tour Operation Management	Skill	5	5	90	80	20	100
TT1813109	Tour Packaging	Skill	5	5	90	80	20	100
TT1813110	Transportation Management	Skill	5	5	90	80	20	100
TT1813803	*Study tour (Pre-Tour and Post Tour Activities)*	Skill	3	1	18	80	20	100
Total			**30**	**30**	**540**	**560**	**140**	**700**

SEMESTER – IV

EV1814504	Corporate Skills	General	4	4	72	80	20	100
TT1814207	Principles of Management	General	4	4	72	80	20	100
TT1814208	Company Law	General	4	5	90	80	20	100
TT1814111	Air Cargo Management	Skill	5	5	90	80	20	100
TT1814112	Cargo Management	Skill	4	5	90	80	20	100
TT1814113	Logistics and Supply Chain Management	Skill	4	5	90	80	20	100
TT1814804	*Industry Visit and Report Presentation (Min 4)* *Major Project*	Skill	3	2	36	80	20	100
TT1814805	Summer Internship	Skill	2	-	-	80	20	100
Total			**30**	**30**	**540**	**640**	**160**	**800**
Course Code	**Subject**	**General/ Skill**	**Credit**	**Contact Hrs/Week**	**Total Hrs in the Sem**	**Marks ESE**	**MarksCE**	**Total Marks**
SEMESTER – V								
TT1815209	Banking Theory and Practice	General	4	3	54	80	20	100
TT1815210	Entrepreneurship Development in Tourism	General	4	3	54	80	20	100
TT1815211	Goods and Services Tax	General	4	4	72	80	20	100
TT1815114	Eco Tourism	Skill	4	5	90	80	20	100
TT1815115	Hospitality Management	Skill	5	5	90	80	20	100
TT1815116	Front Office/ House Keeping Operations	Skill	4	5	90	80	20	100
TT1815117	Ethical, Legal and Regulatory Framework for Tourism	Skill	4	4	72	80	20	100
TT1815806	Industrial Visit/ National Tour (Report Submission)	Skill	1	1	18	80	20	100
Total			**30**	**30**	**540**	**640**	**160**	**800**
SEMESTER – VI								
TT1816212	Human Resource Management	General	4	4	72	80	20	100
TT1816213	Tourism Marketing	General	4	4	72	80	20	100

TT1816214	E-Commerce	General	4	4	72	80	20	100
TT1816118	Event Management	Skill	5	4	72	80	20	100
TT1816119	Resort Management	Skill	5	4	72	80	20	100
TT1816120	Cyber Security and IT for Tourism	Skill	5	4	72	80	20	100
TT1816807	Internship	Skill	-	3	54	40	10	50
TT1816808	Project/Dissertation	Skill	3	3	54	80	20	100
TT1816901	Viva Voce	Skill	-	-	-	50	-	50
Total			**30**	**30**	**540**	**660**	**140**	**800**

GENERAL EDUCATION COMPONENTS

Sl.No	Course Name	Credit	Hrs/W	Semester
1	Listening and Speaking Skills	4	5	1
2	Business Environment and Ethics	4	4	1
3	Business Statistics– 1	4	5	1
4	Reading and writing Skills	4	4	2
5	Marketing Management	4	4	2
6	Business Statistics– II	4	4	2
7	Business Law	4	5	3
8	Financial Accounting	4	5	3
9	Social Skills	4	4	3
10	Corporate Skills	4	4	4
11	Principles of Management	4	4	4
12	Company Law	4	5	4
13	Banking Theory and Practice	4	3	5
14	Entrepreneurship Development in Tourism	4	3	5

15	Goods and Services Tax	4	4	5
16	Human Resource Management	4	4	6
17	Tourism Marketing	4	4	6
18	E-Commerce	4	4	6
Total		**72**		

SKILL EDUCATION COMPONENTS

Sl.No	Course Name	Credit	Hrs/W	Semester
1	Principles and Practices of Tourism I	5	5	1
2	Tourism Products	5	5	1
3	Travel Geography	5	5	1
4	Destination visits and case studies (Min 4 case studies) (20 marks per case study)	3	1	1
5	Principles and Practices of Tourism II	4	5	2
6	Tour Guiding and Escorting	4	4	2
7	Air Fares and Ticketing with GDS	4	5	2
8	MICE Tourism	4	4	2
9	Summer Internship	2	-	2
10	Travel Agency and Tour Operation Management	5	5	3
11	Tour Packaging	5	5	3
12	Transportation Management	5	5	3
13	*Study tour (Pre-Tour and Post Tour Activities)*	3	1	3
14	Air Cargo Management	5	5	4
15	Cargo Management	4	5	4
16	Logistics and Supply Chain Management	4	5	4
17	*Industry Visit and Report Presentation (Min 4) Major Project*	3	2	4

18	Summer Internship	2	-	4
19	Eco Tourism	4	5	5
20	Hospitality Management	5	5	5
21	Front Office/ House Keeping Operations	4	5	5
22	Ethical, Legal and Regulatory Framework for Tourism	4	4	5
23	Industrial Visit – One Case Study (Hotels/ Resorts) / National Tour Report	1	1	5
24	Event Management	5	4	6
25	Resort Management	5	4	6
26	Cyber Security and IT for Tourism	5	4	6
27	Project	3	3	6
28	Internship	-	3	6
29	Viva Voce	-	-	6
Total		**108**		

VALUE ADDED COURSES

SL.NO	SUBJECTS	CREDIT
1	Office Automation	2
2	Customer Service Skills	2
3	Computer Resrvation System	2
4	Airport Ground Services	2
5	Dangerous Goods For Passengers Handling	2
6	Safety And Security Services In An Airport	2
	Total	12

73.1.2. Justify how the program curriculum satisfies the program specific outcomes. (Program curriculum grouping based on different components).

The present curriculum will expose students to various basic, advanced and applied fields in Travel, Tourism, Logistics and IT which will facilitate them for a graduate finale course or for pursuing higher studies in afore mentioned streams. It is expected that students will have more opportunities to practice their own interests which will enable them to get employed. The present curriculum includes skill oriented courses, and many relevant projects and internship that foster the development of vocational skills. State components of Curriculum and their relevance to PSOs and POs

73.2..... S

tate components of Curriculum and their relevance to PSOs and POs

(Program curriculum grouping based on different components).

The UG programme in B Voc TTLM and I T includes Compulsory core courses, Skill courses, Project work, Internships, Industrial visits English and Value added courses. For the successful completion of this UG programme, a student shall acquire minimum 180 credits.

73.3..... S

tate Core subjects and their relevance to Program outcomes

B.VOC INFORMATION TECHNOLOGY

SkillCourse 1: Programming in C	• To experience critical thinking and approach a problem or situation analytically by breaking it into separate components for more efficient problem-solving.
SkillCourse 2: Computer Architecture and Organisation	• To describe and contrast a broad range of architectural designs to design, develop and implement applications that are better, faster, cheaper, more efficient and easier to use.
SkillCourse 3: Office Automation, Image Editing and Latex	• To be able to prepare documents using a sophisticated document preparation system, create spreadsheets to store and organize data and create games, presentations, animations and interactive applications.
Skill Course 4: Office Automation and Latex Lab	• To be able to prepare documents using a sophisticated document preparation system, create spreadsheets to store and organize data and create games, presentations, animations and interactive applications.
Skill Course 5: C Programming Lab	• To experience critical thinking and approach a problem or situation analytically by breaking it into separate components for more efficient problem-solving.
Skill Course 6: Data Structures and Algorithms	• To be able to design efficient algorithms and manage large amounts of data efficiently for large databases and internet indexing services.
Skill Course 7: Database Management	• To be able to design and implement structured databases that match standards and to organize, maintain and retrieve

Systems	information effectively from a variety of databases.
SkillCourse 8: Digital Electronics	• To know the concept of combinational circuits and set the stage to perform the analysis and design of complex digital electronic circuits.
SkillCourse 9: Database Management Systems Lab	• To be able to design and implement structured databases that match standards and to organize, maintain and retrieve information effectively from a variety of databases.
SkillCourse 10: Data Structure Lab	• To be able to design efficient algorithms and manage large amounts of data efficiently for large databases and internet indexing services.
SkillCourse 11: Object Oriented Programming using Java	• To be able to use an integrated development environment to write robust programs in Java to solve real-world problems.
SkillCourse 12: Software Engineering and Testing	• To develop methods and procedures for software development that can scale up for large systems to produce high quality software at low cost and with a small cycle of time.
SkillCourse 13: Microprocessor and PC Hardware	• To be able to describe the architecture of 8085 microprocessor and distinguish between the different modules of operation and apply
SkillCourse 14: Java Programming Lab	• To be able to use an integrated development environment to write robust programs in Java to solve real-world problems.
Skill Course 15: Business Accounting Lab	• To focus on the asset side of the balance sheet, to understand revenue and expense recognition issues and the accounting principles that affect the format and presentation of financial statements.
Skill Course 16: Operating Systems	• To be able to understand the basic components of a computer operating system and the interactions among the various components.
Skill Course 17: Computer Networks	• To provide an overview of the concepts and fundamentals of data communication and computer networks and to understand how errors are detected and corrected that occur in transmission.
Skill Course 18: Object Oriented Modelling and Design	• To familiarize various modelling constructs used in software design phase and enhance skill in preparing software documentation.
Skill Course 19: Networks and Operating Systems Lab	• To implement various communication protocols and demonstrate direct communication with the operating systems and impart skill in using synchronisation tools for solving classic problems.
Skill Course 20: Computer Animations Lab	• To impart skill in object creation and animation and apply the skill effectively and creatively to solve a wide range of graphic design problems.
Skill Course 21: Web Development	• To provide the necessary knowledge to design and develop dynamic, database-driven web applications using PHP.
Skill Course 22: Mobile Application	• To create intuitive, reliable software using activities, services, and intents; design user interfaces that work seamlessly with a

Development- Android	range of phones and tablets; and manage data with content providers.
Skill Course 23: Android Lab	• To create intuitive, reliable software using activities, services, and intents; design user interfaces that work seamlessly with a range of phones and tablets; and manage data with content providers.
Skill Course 24: Web Development Lab	• To provide the necessary knowledge to design and develop dynamic, database-driven web applications using PHP.
Skill Course 25: Minor Project	• To acquire practical knowledge within the chosen area of technology for project development and contribute as an individual or in a team in development of technical projects.
Skill Course 26: Free and Open Source Software	• To acquire problem-solving capability and programming skills in Python to develop GUI's and database applications.
Skill Course 27: Embedded Systems and Internet of Things	• To understand embedded-system programming and apply that knowledge to design and develop embedded solutions and explore the interconnection and integration of the physical world and the cyber space.
Skill Course 28: Virtual and Augmented Reality	• To understand the concepts of Virtual Reality and Augmented Reality and its applications in different fields.
Skill Course 29: Internet of Things Lab	• To understand the working of Raspberry Pi, its features and how various components can be used with Pi.
Skill Course 30: Major Project	• To acquire practical knowledge within the chosen area of technology for project development and contribute as an individual or in a team in development of technical projects.

B.VOC TRAVEL, TOURISM AND LOGISTICS MANAGEMENT

Skill Course 1: Principles and Practices of Tourism I	To invoke interest in students with the basic concepts and contents of tourism studies and also understand the functional structure of various national and International tourism procedure.
Skill Course 2: Tourism Products	To have a detailed understanding on various tourism products. And also the role of cultural, heritage, tradition architecture, and nature in the formation of tourism products.
Skill Course 3: Travel Geography	To have a detailed understanding ongeography in tourism and also get how to apply the methods of time calculation in various geographical region in tourism destinations.
Skill Course 4: Destination visits and case studies (Min 4 case studies) (20 marks per case study)	To have the solutions of major problems faced by the tourist destination.
Skill Course 5: Principles and Practices of Tourism II	To invoke interest in students with the basic planning and procedure of tourism industry and also understand the functional structure of various levels of tourism services

	and products.
Skill Course 6: Tour Guiding and Escorting	To have a detailed understanding ontour guiding and escorting techniques in conducting tour and in dealing with emergencies.
Skill EducationCourse 7: Air Fares and Ticketing with GDS	To have a detailed understanding onairline terminology, Airfare calculation and Air Ticketing procedures.
Skill Course 8: MICE Tourism	To have a detailed understanding onMICE tourism industry. It also enable the students to understand the managerial and operational aspects pertaining to Event, Meeting, Exhibition and Conference or Convention, Management.
Skill Course 9: Summer Internship	To have the practical knowledge about the new working area of the industry
Skill Course 10: Travel Agency and Tour Operation Management	To familiarize with the concepts and practices of tour operations and management strategies of travel agencies.And also get the procedural formalities for the establishment of tour operating enterprises.
Skill Course 11: Tour Packaging	To familiarize with the concepts and practices of package tour preparations. And also get the concept of tour cost and pricing strategies of tour packages.
Skill Course 12: Transportation Management	To have a detailed understanding on the concept of tourist transportation and its various modes.
Skill Course 13: *Study tour (Pre-Tour and Post Tour Activities)*	Explain the various activities of pre tour and post tour stage.
Skill EducationCourse 14: Air Cargo Management	To have a detailed understanding on the structure of Aviation and Air Cargo (ULD management system & Airline Industry) and also get an awareness about current with the latest trends in Cargo Transferring.
Skill Course 15: Cargo Management	To have a detailed understanding on the global cargo world to avoid strategic and tactical errors.
Skill Course 16: Logistics and Supply Chain Management	To have a detailed understanding both domestic and international logistics and supply chain management system, warehouse and DC strategies and effectively manage their distribution processes at the regional, national, and international levels. And also get an idea abouttransportation problems and effectively develop and present actionable solutions.
Skill Course 17: Industry Visit and Report Presentation (Min 4) Major Project	To have detailed understanding on functional structure of various sub-industries in tourism and logistics
Skill Course 18: Summer Internship	To have detailed understanding on the practical knowledge about the new working area of the industry

Skill Course 19: Eco Tourism	To have detailed understanding on the basic ecotourism principles, eco-tourism products and its components. And also get an awareness about the ecotourism planning and polices
Skill Course 20: Hospitality Management	To introduce the student to the world of Hospitality industry in general and to develop the hospitality culture among the students.
Skill Course 21: Front Office/ House Keeping Operations	To have detailed understanding on the front office management and its roles in star category hotels. And also get the clear cut picture about Housekeeping department and its functional structure.
Skill Course 21: Ethical, Legal and Regulatory Framework for Tourism	To have detailed understanding on the tourism ethics, various laws and regulations associated with tourism and hospitality industry and also get an idea abouttravel insurance and Consumer Protection Act.
Skill Course 21: Industrial Visit – One Case Study (Hotels/ Resorts) / National Tour Report	To Familiarize the practical knowledge about package tour running and its functions. And also get an idea about the actual functional structuring of star category hotels or resorts.
Skill Course 21: Event Management	To familiarize with basic concepts and practices in event management and also understand about the event promotion and various entrepreneurship opportunities.
Skill Course 21: Resort Management	To familiarize students with the concept of resort management and also understand the major challenges and issues for resort management.
Skill Course 21: Cyber Security and IT for Tourism	To Familiarize the students with computer networks and also it enable the students in understanding the application of IT and cyber rules in IT Industry.
Skill Course 22: Project	Understanding the descriptive idea about the selected topic in concerned discipline

73.4. Course Syllabus

(Include, in appendix, a syllabus for each course used. Syllabi format should be consistent and shouldn't exceed two pages.)

The syllabi format may include:

- Department, course number, and title of course
- Designation as a required or elective course
- Pre-requisites
- Contact hours and type of course (lecture, tutorial, seminar, project etc.)
- Course Assessment methods (both continuous and semester end assessment)
- Course outcomes
- Text books, and/or reference material

73.5..... I

llustrate the measures and processes used to identify the curricular gaps to the attainment of the COs/PSOswith global relevance for developmental needs.

Organizing curriculum that reflects the experience of the students

(Details of the processes used to curricular gaps to the attainment of defined course outcomes and programme).

73.5.1. Syllabi revision –No: of programs added/dropped year wise.

The course was started only in 2018 with new syllabus.

Year of Introduction of the programme	If revision has been carried out in the syllabus during last 5 years	Year of revision	Title and code of the course added	Title and code of the course dropped	Percentage of Syllabus content added or replaced	Link of the relevant document
2018	N A	N A	N A	N A	N A	N A

(Link of relevant document, Academic Council meeting minutes)

73.6. Vertical mobility of programmes

(Explain how and when mobility windows are provided during the course of a programme, how the students benefited the vertical mobility of programmes, what are the challenges and limitations etc.)

73.7. Indicate the content beyond syllabus imparted for the attainment of the COs/PSOs

(Details of content beyond syllabus imparted for the attainment of the COs/PSOs. This information may be provided course wise or modular wise)

Industrial interface, Internships, Projects and Training

73.8. Percentage of courses having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations for the last 5 years

Note: Calculate the percentage for courses addressing each issue separately.

73.8.1. UG programme

$$\frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$$

B.Voc Information Technology

Environment and Sustainability
Percentage = 1/49 = 2%

B.Voc Travel, Tourism and Logistics Management

Environment and Sustainability
Percentage = 1/45 = 2%

Human values & professional ethics
Percentage = 1/45 = 2%

Community Orientations
Percentage = 1/45 =2%

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations
B.Voc IT	Environmental studies	IT1812204	To enable the students to acquire basic ideas about environment and emerging isssues about environmental problems and remedies
B.Voc TTLM	Business Environment and Ethics	TT1811201	To have detailed understanding onhow the environment affects theworking of a business and also getan awareness about EIA andbusiness ethics.
	Eco Tourism	TT1815114	To have detailed understanding onthe basic ecotourism principles,eco-tourism products and itscomponents. And also get anawareness about the ecotourismplanning and policesimplementation in a sustainablemanner.
	Ethical, Legal andRegulatory Framework for Tourism	TT1815117	To have detailed understanding onthe tourism ethics, various lawsand regulations associated withtourism and hospitality industryand also get an idea about travelinsurance and ConsumerProtection Act.

[$] If there are more than one UG programme in a department, provide the data and the percentage for them separately.

73.8.2. PG Programme: N A

Formula:

$$\text{Percentage} = \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$$

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations

$$ If there are more than one PG programme in a department, provide the data and the percentage for them separately.

73.9..... N

ew courses introduced:Certificate/Diploma, Twinning/Dual Degree Programme, Double Main/Triple Main, Open Courses, etc.: N A

Name of the course	Year of Introduction	Aided/ Self-financing	Relevance to PSO and POs

(Documents of course approval or tie up if any,Minutes of AC/BOS)

73.10. Number of programmes withCBCS/elective course system implementedyear wise: N A

Name of the programme	Title and code of the elective course	Number of hours and credit of the course	Relevance to POs and PSOs.

(Minutes of the BOS)

73.11. Number of value-added courses (with 30 or more contact hours) imparting transferable and life skills offered & percentage of students enrolled in those courses during the previous academic year

Formula:

$$\text{Percentage of students enrolled in value added courses} = \frac{\text{Number of students enrolled in the courses in the last 3 years}}{\text{Total number of courses in all programmes}} \times 100$$

111

Percentage=100%

2018-2019				
Name of the value added courses (with 30 or more contact hours)offered during last 5 years	**Course Code**	**No. of times offered during the same year**	**Number of students enrolled in the year**	**Number of Students completing the course in the year**
Interactive Front End Development	IT18A1001	1	19	19
IT Support Professional	IT18A1002	1	19	19
Office Automation	TT18A1001	1	27	27
Customer Service Skills	TT18A1002	1	27	27
2019-2020				
Name of the value added courses (with 30 or more contact hours)offered during last 5 years	**Course Code**	**No. of times offered during the same year**	**Number of students enrolled in the year**	**Number of Students completing the course in the year**
Interactive Front End Development	IT18A1001	1	39	39
IT Support Professional	IT18A1002	1	39	39
Web Development Using Visual Studio	IT18A1003	1	18	18
Software Testing Foundations	IT18A1004	1	18	18
Office Automation	TT18A1001	1	36	36
Customer Service Skills	TT18A1002	1	36	36
Computer Reservation System	TT18A1003	1	27	27
Airport Ground Services	TT18A1004	1	25	25
2020-2021				
Name Of The Value Added Courses (With 30 Or More Contact Hours)Offered During Last 5 Years	**Course Code**	**No. of times offered during the same year**	**Number of students enrolled in the year**	**Number of Students completing the course in the year**
Interactive Front End Development	IT18A1001	1	28	28
IT Support Professional	IT18A1002	1	28	28
Web Development Using Visual Studio	IT18A1003	1	39	39
Software Testing Foundations	IT18A1004	1	39	39
Windows Azure	IT18A1005	1	17	17
Cyber Security	IT18A1006	1	17	17
Office Automation	TT18A1001	1	38	38
Customer Service Skills	TT18A1002	1	38	38
Computer Reservation System	TT18A1003	1	36	36
Airport Ground Services	TT18A1004	1	36	36
Dangerous Goods For Passengers Handling Staff	TT18A1005	1	25	25
Safetyand Security Servicesinan Airport	TT18A1006	1	25	25

73.12. Employability/ entrepreneurship / skill development

73.12.1. Percentage of courses in UG programme having focus on employability / entrepreneurship / skill development for the last 3 years¶

$$\text{Percentage} = \frac{\text{Number of courses with focus on employability / entrepreneurship} - \text{skill development}}{\text{Total number of courses in the UG programme}} \times 100$$

B.Voc Information Technology

Percentage= 27/49 = 55.10

B.Voc Travel Tourism and Logistics Management

Percentage= 26/45 = 57.77

Name of the Program	Name of the Course	Year of Introduction	Year of Discontinuation	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development
B.Voc IT	Entrepreneurship Development	2018		Entrepreneurship
	Listening and Speaking Skills in English	2018		Employability
	Reading and Writing Skills	2018		Employability
	Social Skills	2018		Employability
	Corporate Skills	2018		Employability
	Aptitude and Logical Reasoning	2018		Employability
	Office Automation, Image Editing and Latex	2018		Employability / Skill development
	Office Automation and Latex Lab	2018		Employability / Skill development

	Object Oriented Programming using Java	2018		Employability / Skill development
	Java Programming Lab	2018		Employability / Skill development
	Business Accounting Lab	2018		Employability / Skill development
	Database management Systems	2018		Employability / Skill development
	Database Lab	2018		Employability / Skill development
	Principles of Management	2018		Entrepreneurship
	Computer Animations Lab	2018		Employability / Skill development
	Web Development	2018		Employability / Skill development
	Mobile Application Development-Android	2018		Employability / Skill development
	Android Lab	2018		Employability / Skill development
	Web Development Lab	2018		Employability / Skill development
	Free and Open Source	2018		Employability / Skill development
	Digital Marketing	2018		Employability / Skill development
	Virtual and Augmented Reality	2018		Employability / Skill development
	Embedded Systems and Internet of Things	2018		Employability / Skill development
	Internet of Things Lab	2018		Employability / Skill development

	Minor Project	2018		Employability / Skill development
	Major Project	2018		Employability / Skill development
	Summer Internship	2018		Employability / Skill development
B.Voc TTLM	Listening and Speaking Skills in English	2018		Employability
	Reading and Writing Skills	2018		Employability
	Social Skills	2018		Employability
	Corporate Skills	2018		Employability
	Travel Agency and Tour Operation Management	2018		Employability / Skill development
	Hospitality Management	2018		Employability / Skill development
	Front Office/ House Keeping Operations	2018		Employability / Skill development
	Tour Packaging	2018		Employability / Skill development
	Cargo Management,	2018		Employability / Skill development
	Air Cargo Management	2018		Employability / Skill development
	Tour Guiding and Escorting,	2018		Employability / Skill development
	Air Fares and Ticketing with GDS	2018		Employability / Skill development
	Logistics Supply Chain Management	2018		Employability / Skill development

	Event Management	2018		Employability / Skill development
	Resort Management	2018		Employability / Skill development
	Entrepreneurship Development	2018		Entrepreneurship
	Marketing Management	2018		Entrepreneurship
	Tourism Marketing	2018		Entrepreneurship
	Destination Visit and Case Studies	2018		Skill Development
	Minor Project	2018		Skill Development
	Pre-tour and Post-tour Activity Report	2018		Employability/ Skill Development
	Industrial Visit and Report	2018		Employability/ Skill Development
	Summer Internship-4th Semester	2018		Employability/ Skill Development
	National Tour Report	2018		Employability/ Skill Development
	Major Project	2018		Skill Development
	Summer Internship- 6th Semester	2018		Employability/ Skill Development

¶ If there are more than one UG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

73.12.2. Percentage of courses in PG programme having focus on employability / entrepreneurship / skill development for the last 3 years:

Formula:

$$\text{Percentage} = \frac{\text{Number of courses with focus on employability / entrepreneurship / skill development}}{\text{Total number of courses in the UG programme}} \times 100$$

¶ If there are more than one PG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the co0555555555555urses, Minutes of BOS/AC with course approvals)

73.13. Industry interaction/internship

(Give the details of industry involvement in the program such as industry attached laboratories and partial delivery of courses and internship opportunities for students).

73.13.1. Percentage of UG students undertaking field projects/internships in other institutions: 100%

Formula:

$$\frac{\text{Number of UG students undertaking field projects or internships}}{\text{Total number of UG students}} \times 100 = 100\%$$

2018-2019

Sl. No	Project/Programme Title	No. of students enrolled for Field Projects / Internships
1	Sutherland Global Services Kochi	19
2	Industrial Exposure Training with LPTI (Tour Operation Company), Kochi	11
3	Industrial Exposure Training with LPTI (Tour Operation Company), Kochi	18
4	Industrial Exposure Training Programme – Hospitality Management, Naipunnya Institute of Hotel Management, Cherthala.	11
5	Field Visit to Thenmala Eco Tourism Destination (Eco Visit)	29
6	Case study visit to Alappuzha – Focused on Problems faced by Allappuzha as	29

	Tourist Destination	
7	Case study visit to Kochi – Role of public transportation in Kochi	29

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out
4	Ahammed Hussain	27	27	Alhind Tours and Travels Pvt. Ltd, Kottayam
	Manas Raveendran			
	Selin Mathew			
	Akhil George Varghese			
	Jerin Varghese Joe			
	Amitha Benny			
	Alan Antony			
	Tony Sunny			
	Feba Salim			
	Albin Mathew			
	Bijimon P T			
	Nelson Jose			
	Albiya Mol K. Rajan			
	Bibin Sunil			
	Vishnu Raj			
	Anish Thomas			
	Devagayathri Anil			
	Muhammed Ansil T.H			
	Athira Sasi			
	Jerin Thomas			
	Reshma V.S			
	Bijo Joy			
	Ashly Elizabeth Sajan			
	Punnoose J Santhosh			
	Sandeep N.G			

Field Projects / Internships under taken

Name of the Field Project/Internships
Sutherland Global Services Kochi

Sl No:	Name of the students enrolled for Field Projects / Internships

1	Ahalya S Monichen
2	Anju Achamma Varghese
3	Annie Antony
4	Anumol Markose
5	Avani K Shanavas
6	Hayarunnisa P S
7	Jofinamol Mathew
8	Juby Josephy Johnson
9	Maradona Baiju
10	Rayen Saju
11	Rebin Thomas
12	Rose Mary Issac
13	Sarath Ramesh
14	Sebastian Raju
15	Soniya Joy
16	Soumya Symon
17	Stebymon S
18	Subin T Issac
19	Tom Thomas

Name of the Field Project/Internships
Industrial Exposure Training with LPTI (Tour Operation Company), Kochi

Sl No:	**Name of the students enrolled for Field Projects / Internships**
1	Akhil George Varghese
2	Alan Antony
3	Albin Mathew
4	Anish Thomas
5	Bijo Joy
6	Jerin Thomas
7	Jerin Varghese Joe
8	Joel Varghese Jose
9	Nelson Jose

10	Tony Sunny
11	Vishnu Raj

Name of the Field Project/Internships
Industrial Exposure Training with LPTI (Tour Operation Company), Kochi

Sl No:	**Name of the students enrolled for Field Projects / Internships**
1	Ahammed Hussain
2	Akhil George Varghese
3	Alan Antony
4	Albin Mathew
5	Anish Thomas
6	Bijimon P T
7	Bijo Joy
8	Jerin Thomas
9	Jerin Varghese Joe
10	Joel Varghese Jose
11	Manas Raveendran
12	Muhammed Ansil T.H
13	Nelson Jose
14	Punnoose J Santhosh
15	Sojan A.M
16	Thomas Daniel Sunil
17	Tony Sunny
18	Vishnu Raj

Name of the Field Project/Internships
Industrial Exposure Training Programme – Hospitality Management, Naipunnya Institute of Hotel Management, Cherthala.

Sl No:	**Name of the students enrolled for Field Projects / Internships**
1	Albiya Mol K. Rajan
2	Amitha Benny
3	Anish Thomas
4	Ashly Elizabeth Sajan
5	Athira Sasi
6	Devagayathri Anil
7	Feba Salim
8	Reshma V.S
9	Sandeep N.G
10	Selin Mathew
11	Sneha Anna Cheriyan

Name of the Field Project/Internships
Field Visit to Thenmala Eco Tourism Destination (Eco Visit)

Sl No:	**Name of the students enrolled for Field Projects / Internships**
1	Ahammed Hussain
2	Akhil George Varghese

3	Alan Antony
4	Albin Mathew
5	Albiya Mol K. Rajan
6	Amitha Benny
7	Anish Thomas
8	Ashly Elizabeth Sajan
9	Athira Sasi
10	Bibin Sunil
11	Bijimon P T
12	Bijo Joy
13	Devagayathri Anil
14	Feba Salim
15	Jerin Thomas
16	Jerin Varghese Joe
17	Joel Varghese Jose
18	Manas Raveendran
19	Muhammed Ansil T.H
20	Nelson Jose
21	Punnoose J Santhosh
22	Reshma V.S
23	Sandeep N.G
24	Selin Mathew
25	Sneha Anna Cheriyan
26	Sojan A.M
27	Thomas Daniel Sunil
28	Tony Sunny
29	Vishnu Raj

Name of the Filed Project/Internships

Case study visit to Alappuzha – Focused on Problems faced by Allappuzha as Tourist Destination

Sl No:	**Name of the students enrolled for Field Projects / Internships**
1	Ahammed Hussain
2	Akhil George Varghese
3	Alan Antony
4	Albin Mathew
5	Albiya Mol K. Rajan
6	Amitha Benny
7	Anish Thomas
8	Ashly Elizabeth Sajan
9	Athira Sasi
10	Bibin Sunil
11	Bijimon P T
12	Bijo Joy
13	Devagayathri Anil
14	Feba Salim
15	Jerin Thomas

16	Jerin Varghese Joe
17	Joel Varghese Jose
18	Manas Raveendran
19	Muhammed Ansil T.H
20	Nelson Jose
21	Punnoose J Santhosh
22	Reshma V.S
23	Sandeep N.G
24	Selin Mathew
25	Sneha Anna Cheriyan
26	Sojan A.M
27	Thomas Daniel Sunil
28	Tony Sunny
29	Vishnu Raj

Name of the Filed Project/Internships

Case study visit to Kochi – Role of public transportation in Kochi

Sl No:	**Name of the students enrolled for Field Projects / Internships**
1	Ahammed Hussain
2	Akhil George Varghese
3	Alan Antony
4	Albin Mathew
5	Albiya Mol K. Rajan
6	Amitha Benny
7	Anish Thomas
8	Ashly Elizabeth Sajan
9	Athira Sasi
10	Bibin Sunil
11	Bijimon P T
12	Bijo Joy
13	Devagayathri Anil
14	Feba Salim
15	Jerin Thomas
16	Jerin Varghese Joe
17	Joel Varghese Jose
18	Manas Raveendran
19	Muhammed Ansil T.H
20	Nelson Jose
21	Punnoose J Santhosh
22	Reshma V.S
23	Sandeep N.G
24	Selin Mathew
25	Sneha Anna Cheriyan
26	Sojan A.M
27	Thomas Daniel Sunil
28	Tony Sunny
29	Vishnu Raj

2019-2020

Sl. No	Programme	ProjectTitle	No. of students enrolled for Field Projects / Internships
1	Sutherland Global Services, Kochi	English Communication and Soft Skills Training	20
2	Keltron Knowledge Centre Kottayam.	Standalone System Application, Development Life Cycle and Design, Information Retrieval Systems	8
3	Keltron Knowledge Centre Thrissur.	Java and XML, Android SDK, API and Database Management	12
4	Field Visit (Eco Visit) to Kumarakom Bird Sanctuary&ThanneerMukkam Bund	Eco Tourism Principles and Practices, Visitor Management Techniques, Speciality of Migrating Birds	37
5	Field Visit (Eco Visit) to Thenmala Eco Tourism Destination	Sustainable Tourism Practices, Eco Tourism Activities(Both soft and Hard), Zoning System	37
6	Field Visit to Alappuzha (Ravi Karunakara Museum and IC Museum)	Museum as a Tourism Product – Importance of Museums in Cultural Tourism	37
7	Field Visit (Cultural Visit) to Kerala Folklore Museum, Kochi	Importance of Museums in Cultural Tourism, Kerala as a cultural tourism destination	6
8	Field Visit (Cultural Visit) to Kerala Kalamandalam, Thrissur	Kerala Kalamandalam as a Cultural Tourism Centre, Performing Arts in Cultural Tourism	21
9	One day Industrial Training Programme in Front Office operations of Hotels at NIHM, Cherthala	Front-Office Operations and Practices especially for Reservation, Reception, Registration, Uniformed Services, Guest Cycle etc…	16
10	One day Industrial Training Programme in Resort	Resorts and Its Functioning,	16

	Management and Operations at Coconut Lagoon Star Resort at Kumarakom	Operations of Backwater Resort, Guest Relation Services, Staying Facilities , Meals Plan etc…	
11	15 days OJT at Alhind Tours and Travels (Alhind Aviation Academy)at Kottayam specialization in Air Ticketing and reservation	Practical awareness about GDS and CRS – Air Ticketing, Ticket Reservation, Software used for Air Ticket reservation.	27
12	Two day Industrial exposure training Programme with Le Passage to IndiaPvt.Ltd(LPTI) at Kochi	Tour Operation , Tour Guiding and Escorting Services, Destination Management Services	17

Name of the ~~Filed Project~~/Internship: Java and XML, Android SDK, API and Database Management, KELTRON Knowledge Centre, Thrissur

Sl No:	**Name of the students enrolled for Field Projects / Internships**
1	Aiwin Tomy
2	Albin Jo Alex
3	Harish M Nair
4	Jacob Alwin Joy
5	Krishna Sampreet
6	Mardona Baiju
7	Rayen Saju
8	Sarath Remesh
9	Sebastian Raju
10	Stebymon S
11	Subin Issac
12	Tom Thomas

Name of the ~~Filed Project~~/Internship: English Communication and Soft Skills Training, Sutherland Global Services, Kochi

Sl No:	**Name of the students enrolled for ~~Filed Project~~/Internship:**
1	Abhiraj K
2	Ajay Soman
3	Akash Babu
4	Akhil S
5	Aleena Thomas
6	Athul R
7	Ayush K s
8	Bibinamol Jacob
9	Dinto James
10	Hareesh M Nair
11	Harikrishnan AS
12	Jacob Alwin Joy
13	James Thundathil
14	Krishna Sampreeth
15	Pranav Kumar
16	Rosin Annie John
17	Sajin Jolly
18	Sana Elsa Jeemon
19	Sreeram Raju
20	Tinju George

Name of the ~~Filed Project~~/Internship:Standalone System Application, Development Life cycle and Design, Information Retrieval Systems, KELTRON Knowledge Centre, Kottayam

Sl No:	**Name of the students enrolled for Field Projects / Internships**

1	Albin Jo Alex
2	Anakha Viswanath
3	Ganga Lekshmi
4	Gayathri Ashok
5	R Jencykutty
6	Lenu Sunny
7	Sandra Thomas
8	Sudarsh S Pillai
9	Ahalya S Monichen
10	Anju Achamma Varghese
11	Annie Antony
12	Anumol Markose
13	Avani K Shanavas
14	Hayarunnisa P S
15	Jofinamol Mathew
16	Juby Josephy Johnson
17	Rose Mary Issac
18	Soniya Joy
19	Soumya Symon

Field Projects / Internships under taken (Give separate list for each Field Project/Internships)

(Insert new table for multiple field projects/internships)

Name of the Field Projects (Case Study): Case Study Projects conducted on the various Tourist destinations in Kottayam and Alappuzha (Kumarakom Bird Sanctuary, International Coir Museum and Alappuzha Beach)

Sl No:	**Name of the students enrolled for Field Projects (Case Study)**
1	Abhirami G
2	Agnes Mariya

3	Aiswarya R
4	Ajay Krishnan
5	Amal N Saju
6	Aparna Vijayan
7	Aromal Sudeep
8	Aswathy Biju
9	Aswin Dev Mj
10	Ayush P Suresh
11	Benet Binu
12	Chippy George
13	Daniya Ann Saji
14	Fathima Hannath
15	Godwin Rajan
16	Gopika Krishnan
17	Jayalakshmi B
18	Jeby Abraham Jacob
19	Jinu Alex
20	Keziah Mariam Johny
21	Liya Reji
22	Mahin Rashiq
23	Mathews Mupprakkallil
24	Muhhamed Aslam
25	Muhammed Shahin
26	Nijo Jose
27	Rejomon Titus
28	Reshma S Kumar

29	Rohith S Nair
30	Sharon Shaji
31	Sifa Shaji
32	Suvith V Suresh
33	V Sandra
34	Vinil .Ts
35	Vishnupriya N
36	Yasar Mujahid

Name of the Field Projects: Minor Project Study (Field Visit/Eco Visit) Conducted to the Thenmala Eco Tourist Destination (First Planned Eco Tourist Destination in Kerala) – Focused on its Eco Tourism Practices and Sustainable Tourism Strategies

Sl No:	**Name of the students enrolled for Field Projects (Case Study)**
1	Abhirami G
2	Agnes Mariya
3	Aiswarya R
4	Ajay Krishnan
5	Amal N Saju
6	Aparna Vijayan
7	Aromal Sudeep
8	Aswathy Biju
9	Aswin Dev Mj
10	Ayush P Suresh
11	Benet Binu
12	Chippy George
13	Daniya Ann Saji
14	Fathima Hannath

15	Godwin Rajan
16	Gopika Krishnan
17	Jayalakshmi B
18	Jeby Abraham Jacob
19	Jinu Alex
20	Keziah Mariam Johny
21	Liya Reji
22	Mahin Rashiq
23	Mathews Mupprakkallil
24	Muhhamed Aslam
25	Muhammed Shahin
26	Nijo Jose
27	Rejomon Titus
28	Reshma S Kumar
29	Rohith S Nair
30	Sharon Shaji
31	Sifa Shaji
32	Suvith V Suresh
33	V Sandra
34	Vinil .Ts
35	Vishnupriya N
36	Yasar Mujahid

Name of the ~~Filed Project~~/Internship: **Alhind Tours & Travels Pvt. Ltd. Branch Office, Kottayam – Focused on Air Ticketing and Computer Reservation System**

Sl No:	**Name of the students enrolled for Field Projects**
1	Ahammed Hussain

2	Akhil George Varghese
3	Alan Antony
4	Albin Mathew
5	Albiya Mol K. Rajan
6	Amitha Benny
7	Anish Thomas
8	Ashly Elizabeth Sajan
9	Athira Sasi
10	Bibin Sunil
11	Bijimon P T
12	Bijo Joy
13	Devagayathri Anil
14	Feba Salim
15	Jerin Thomas
16	Jerin Varghese Joy
17	Manas Raveendran
18	Muhammed Ansil T.H
19	Nelson Jose
20	Punnoose J Santhosh
21	Reshma V.S
22	Sandeep N.G
23	Selin Mathew
24	Sojan A.M
25	Thomas Daniel Sunil
26	Tony Sunny
27	Vishnu Raj

Name of the Field Projects: Field Project (Cultural Visit Study Report) to Kerala Kalamandalam, Thrissur – Focused on Kalamandalam as a Cultural Tourism Centre and importance of Performing Arts in Cultural Tourism

Sl No:	**Name of the students enrolled for Filed Projects**
1	Ahammed Hussain
2	Akhil George Varghese
3	Alan Antony
4	Albin Mathew
5	Albiya Mol K. Rajan
6	Amitha Benny
7	Anish Thomas
8	Ashly Elizabeth Sajan
9	Athira Sasi
10	Bijo Joy
11	Devagayathri Anil
12	Feba Salim
13	Jerin Varghese Joy
14	Nelson Jose
15	Punnoose J Santhosh
16	Reshma V.S
17	Selin Mathew
18	Sojan A.M
19	Thomas Daniel Sunil

Name of the Field Projects: Field Project (Cultural Visit Study Report) to Kerala Folklore Museum, Kochi

Sl No:	**Name of the students enrolled for Filed Projects**

1	Bibin Sunil
2	Bijimon P T
3	Jerin Thomas
4	Manas Raveendran
5	Muhammad Ansil
6	Sandeep N G

73.13.2. Percentage of PG students undertaking field projects/internships in other institutions: N A

Formula:

$$\frac{\text{Number of PG students undertaking field projects or internships}}{\text{Total number of PG students}} \times 100$$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out

74. Result andStudents Performance

74.1..... S

uccess Rate (Result)

Formula:

Pass percentage = $\frac{\text{Total number of students who passed the course examination in a year}}{\text{Total number of students appeared for the course examination in a year}} \times 100$

UG Main Courses

B.Voc Information Technology

2018-19

Semes	Course title and code	Number of	Number of	Pass percentag	Number of students with grade

ter			students appeared for the course examination	students passed the course examination	e	S	A+	A	B+	B	C	D	E	F
I	EN1811503	Listening and Speaking skills in English	19	19				4	6	5	4			
	MT1811202	Discrete Mathematics I	19	16			2	4	1	3	5	1		3
	IT1811201	Introduction to IT	19	7						2	2	3		12
	CA1811103	Programming in C	19	16			4		1	3	6	2		3
	CA1811104	Computer Architecture and Organization	19	16				2	1	3	5	5		3
	IT1811101	Office Automation, Image Editing and Latex	19	17			3	3		4	2	5		2
	IT1811601	Office Automation, Image Editing and Latex Lab	19	18		1	9	6	1		1			1
	CA1811602	C Programming Lab	19	13			4		3		3	3		6
II	EN1812505	Reading and Writing Skills	18	18			1		4	6	6	1		
	IT1812202	Environmental Studies	18	09					2	1	1	5		9
	MT1812204	Discrete Mathematics-II	18	14			2	2	2	1	5	2		4
	CA1812106	Data Structures and Algorithms	18	12				1	1	2	3	5		6
	IT1812102	Digital Electronics	18	12			1	1	2	2	2	4		6
	CA1812603	Data Base Management Systems Lab	18	18		1	6	4	3		3	1		
	CA1812604	Data Structure Lab	18	18		1	2	1	2	5	2	5		
III	ST1813206	Statistical Methods And Probability	18	15				1	3	2	7	2		3
	EN1813507	Social Skills	18	18					3	3	8	4		

	CM1813201	**Business informatics and Principles of Accounting**	18	12					3	2	4	3		6
	CA1813110	**Object Oriented Programming using Java**	18	14			1	2	2	2	6	1		4
	CA1813111	**Software Engineering and Testing**	18	09					3	4	1	1		9
	CA1813107	**Microprocessor and PC Hardware**	18	09			1	1	1	2	3	1		9
	CA1813605	**Java Programming Lab**	18	18			1	3	1	2	4	7		
	CM1813601	**Business Accounting Lab**	18	18				3	7	5	3			
IV	**EN1814509**	**Corporate Skills**	18	17				3	5	1	4	4		1
	IT1814203	**Management InformationSystems**	18	05						1	3	1		13
	CM1814205	**Principles of Management**	18	09						3	1	5		9
	CA1814114	**Operating Systems**	18	06							4	2		12
	CA1814115	**Computer Networks**	18	10				1		4	4	1		8
	IT1814103	**Object Oriented Modeling And Design**	18	08						2	5	1		10
	CA1814606	**Networks and Operating Systems Lab**	18	17			2	2		1	8	4		1
	IT1814801	**Summer Internship**	18	17		1	4	7	4	1				1
V	**IT1815204**	**Information security**	17	17				8	3	3	3			
	IT1815205	**Aptitude And Logical Reasoning**	17	17			1	3	3	3	5	2		
	CM1815202	**Entrepreneurship Development**	17	15					2	3	6	4		2
	IT1815104	**Web development**	17	17				3	3	5	4	2		
	CA1815117	**Mobile ApplicationDevelopment-Android**	17	04						3	1			
	CA1815608	**Android Lab**	17	17				4	12	1				
	CA1815609	**Web development Lab**	17	17					1	3	8	5		
	CA1815802	**Minor Projects**	17	17			11	6						

VI	**IT1816206**	**Digital Marketing**	17	12				1	1	2	4	4		5
	IT1816207	**Informatics**	17	15			1	1	3	5	2	3		2
	IT1816208	**IT And Society**	17	15			1	1	5	5	3			2
	IT1816105	**Free and Open Source Software**	17	10			4	1	2	1	1	1		7
	IT1816106	**Embedded Systems and Internet of Things**	17	15					2	4	5	4		2
	IT1816107	**Virtual and AugmentedReality**	17	16					5	4	6	1		1
	IT1816602	**Internet of Things Lab**	17	17				4	7	6				
	IT1816803	**Major Project**	17	17			9		5	3				
	IT1816901	**Viva Voce**	17	17			3	1	6	7				

2019 - 2020

Semester	Course title and code		Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
						S	A+	A	B+	B	C	D	E	F
I	**EN1811503**	**Listening and Speaking skills in English**	42	38			1	2	7	16	10	2		4
	MT1811202	**Discrete Mathematics I**	42	33			2		3	8	8	12		9
	IT1811201	**Introduction to IT**	42	39			1	4	8	13	10	3		3
	CA18111	**Programming**	42	32		1	2	3	2	9	1	5		10

	03	**in C**									0			
	CA1811104	**Computer Architecture and Organization**	42	33			1	2	4	10	4	12		9
	IT1811101	**Office Automation, Image Editing and Latex**	42	35			2	8	3	9	12	1		7
	IT1811601	**Office Automation, Image Editing and Latex Lab**	41	41			12	5	9	7	4	4		
	CA1811602	**C Programming Lab**	41	30		3	7	5	4		1	10		11
II	**EN1812505**	**Reading and Writing Skills**	39	29				2	4	7	11	5		10
	IT1812202	**Environmental Studies**	39	20			1		1	4	6	8		19
	MT1812204	**Discrete Mathematics-II**	39	31			1	5	11	7	5	2		8
	CA1812106	**Data Structures and Algorithms**	39	30				3	3	11	7	6		9
	IT1812102	**Digital Electronics**	39	29		1	1	9	8	4	4	2		10
	CA1812603	**Data Base Management Systems**	39	39		1	2	7	12	6	8	3		

		Lab												
	CA1812604	**Data Structure Lab**	39	38			4	14	10	7	3			1

B.Voc Travel, Tourism and Logistics Management

2018-19

Semester	Course title and code		Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade								
						S	A+	A	B+	B	C	D	E	F
I	EV1811501	Listening And Speaking Skill	29	26			2	7	6	5	3	3		3
	TT1811201	Business Environment And Ethics	29	22				2		8	7	5		7
	TT1811202	Business Statistics I	29	16		1	1			4	6	4		13
	TT1811101	Principles And Practices Of Tourism I	29	26			2		9	6	6	3		3
	TT1811102	Tourism Products	29	26				2	9	6	8	1		3
	TT1811103	Travel Geography	29	28			3	7	11	5		2		1
	TT1811801	Destination Visit And Case Study	29	29		6	15	6	2					
II	EV1812502	Reading And Writing Skills	29	24			1	2	4	7	8	2		5
	TT1812203	Marketing Of Management	29	21			2		4	6	7	2		8
	TT1812	Business	29	13			2		2	1	5	3		1

	204	Statistics Ii												6
	TT1812104	Principles And Practices Of Tourism Ii	29	25			2		10	7	3	3		4
	TT1812105	Tour Guiding And Escorting	29	27			2	1	8	7	6	3		2
	TT1812106	Air Fares And Ticketing With Gds	29	28			9	6	3	6	2	2		1
	TT1812107	Mice Tourism	29	27			2	1	6	7	4	7		2
	TT1812802	Minor- Project (Eco- Tourism Destination)	29	29			2	22	5					
III	TT1813205	Business Law	27	21				2	6	4	7	2		6
	TT1813206	Financial Accounting	27	24				2	3	6	8	5		3
	EV1813503	Social Skills	27	21				1	1	8	7	4		6
	TT1813108	Travel Agency and Tour Operation Management	27	27			1	10	11	2	3			
	TT1813109	Tour Packaging	27	27			2	13	9	2	1			
	TT1813110	Transportation Management	27	27				2	3	8	11	3		
	TT1813803	*Study tour (Pre-Tour and Post Tour Activities)*	27	27			9	15	3					
IV	EV1814504	Corporate Skills	27	24			2	4	9	3	4	2		3
	TT1814207	Principles of Management	27	17			2		4	3	6	2		10
	TT1814208	Company Law	27	17			1	1	1	3	7	4		10
	TT1814111	Air Cargo Management	27	22				2		7	11	2		5
	TT1814112	Cargo Management	27	23				1	2	3	13	3		4
	TT1814113	Logistics and Supply Chain Management	27	21				2	1	9	7	2		6
	TT1814804	*Industry Visit and Report Presentation (Min 4)* *Major Project*	27	25			10	14	1					2

	TT1814805	Summer Internship	27	25			3	20	2					2
V	TT1815209	Banking Theory and Practice	25	21			1	2	1	9	7	1		4
	TT1815210	Entrepreneurship Development in Tourism	25	23		2		5	10	4	2			2
	TT1815211	Goods and Services Tax	25	16			1	1		6	7	1		9
	TT1815114	Eco Tourism	25	24			1	1	6	5	9	2		1
	TT1815115	Hospitality Management	25	24			2	3	8	7	4			1
	TT1815116	Front Office/ House Keeping Operations	25	24			2	4	8	3	7			1
	TT1815117	Ethical, Legal and Regulatory Framework for Tourism	25	23				1	5	6	10	1		2
	TT1815806	Industrial Visit/ National Tour (Report Submission)	25	25			2	19	4					
VI	TT1816212	Human Resource Management	25	24			3	4	6	7	2	2		1
	TT1816213	Tourism Marketing	25	23			2	2	6	6	6	1		2
	TT1816214	E-Commerce	25	22			1		2	11	6	2		3
	TT1816118	Event Management	25	24			1	1	6	9	5	2		1
	TT1816119	Resort Management	25	25			2	4	8	6	2	3		
	TT1816120	Cyber Security and IT for Tourism	25	23										
	TT1816807	Internship	25	25			2	4	14	3	2			
	TT1816808	Project/Dissertation	25	25			5	17	3					
	TT1816901	Viva Voce	25	25			3	4	15	3				

UG Subsidiary Courses: N A

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F
			111							

UG Open Courses: N A

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

UG Common Courses: N A

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

UG Additional Language Courses: N A

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F
			111							

PG Courses: N A

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

74.2..... A cademic Performance

74.2.1. Percentage of students qualifying state/ national/ international level examinations during the last 3 years (eg: NET/SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations/ other examination): N A

Formula:

Percentage =

$$\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students who have appeared for the exam}} \times 100$$

Academic year:

Registration number/roll number for the exam	Number of students selected/ qualifying								
	NET	SLET	GATE	GMAT	CAT	GRE	TOFEL	Civil Services	State government examinations
					111				

74.3..... P

lacement and Higher Studies

74.3.1. Percentage of placement of outgoing students from UG programme during the last 3 years[$$]

Formula:

Percentage =

$$\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$$

B.Voc Information Technology

Percentage= 2/17= 11%

B.Voc Travel, Tourism and Logistics Management

Percentage= 7/25= 28%

Number of students placed	Name of the employer with contact details	Package received
1	Kitex Pvt. Ltd (Printing and Logistics Session)	Rs.13000/- per month
1	US Transportation and Logistics Ltd. (Partnership Company of DHL)	Rs.16000/- per month
2	Flipkart – India Ltd.	Rs.16000/- per month
1	Deloitte, Block "C" DivyaSree Technopolis, Yemlur Post, Airport Road, Baengaluru.	Rs.27500/- per month
1	Sutherland Global Services, C-SEZ, Kakkanad, Kochi	Rs.20500/- per month
1	DTDC Courier and Transport Internationals- Southern Region	Rs.19000/- per month
1	Kotak Mahindra Bank pvt Ltd, Thiruvalla	Rs.16000/- per month
1	Flipkart Customer Centre, Bengaluru	Rs.22000/- per month

[$$] If the department offers more than one UG programme, provide the data and the percentage for each programme

74.3.2. Percentage of student progression from UG programme to higher education, i.e. UG to PG (previous graduating batch)[##]

Formula: $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

B.Voc Information Technology

Percentage= 1/17= 5%

B.Voc Travel, Tourism and Logistics Management

Percentage= 3/25= 12%

Name of program graduated from	Number of students enrolling into higher education	Name of institution joined	Name of program admitted to
B.Voc IT	1	Saintgits College of Applied Sciences Kottayam	M.Sc Artificial Intelligence
B.Voc TTLM	1	Marian College Kuttikanam	MMH
	2	School of Tourism Studies, MG University Kottayam	MTTM

##If the department offers more than one UG programme, provide the data and the percentage for each programme

74.3.3. Percentage of placement of outgoing students from PG programme during the last 3 years: N A

Formula:

Percentage $= \frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$

Number of students placed	Name of the employer with contact details	Package received

$$ If the department offers more than one PG programme, provide the data and the percentage for each programme

74.3.4. Percentage of student progression from PG programme to higher education , i.e. PG to M.Phil./PhD (previous graduating batch): N A

Formula: $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Name of program graduated from	Number of students enrolling into higher education	Name of institution joined	Name of program admitted to

##If the department offers more than one PG programme, provide the data and the percentage for each programme

74.4. Extra-curricular Activities

(Instruction: Student support system concerned may provide data for the past five years)

74.4.1. Number of students participated in sports at intercollegiate / University / state/

national / international level during the last 3 years

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number
Kerala State Senior Netball Championship	Agnes Mariya	State	473415013801
Interzone Championship in Cricket (MGU)	Vinil T S	State	825297756965
University Championship in Volleyball (MGU)	Muhammed Shahin	Regional	245479391846

74.4.2. Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number

74.4.3. Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 3 years:

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number
University Youth Festival (MGU) - Drama Competition	Amal N Saju	Second with A grade Regional	766004478068
University Youth Festival (MGU)- MimicryCompetition	Amal N Saju	Second with A grade Regional	766004478068

74.4.4. Number of awards/medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years: N A

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number

74.4.5. Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years: N A

Formula:

Percentage = $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$

Name of the activity	Name of the student	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities	Total number of students

74.4.6. Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3 years

Formula:

Percentage = $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$

Name of the activity	Name of the student	Number of students participated in such activities	Total number of students
College Union – Second Year Student Representative (2019-2020)	Sarath Remesh	1	1

Provide table wise and year wise data separately for NSS/NCC/Clubs/College Union etc.

74.4.7. Professional societies/ chapters and organizing academic events

Name of the student	Name of society/chapter	Academic event organized

74.4.8. Organization of paper contests, design contests, etc., and achievements: N A

Name of the student	Name of contest	Type of the contest	Achievements

74.4.9. Publication of technical magazines, newsletters, journals, etc.: N A

Name of the student	Technical magazine				Newsletter				Journal			
	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.

74.4.10. Entrepreneurship initiatives, product designs and innovations: N A (Describe the initiatives taken)

74.4.11. Publications and awards in inter – institute events by students of the programme of study: N A

Name of the student	Name of the awarding institute	Name of the event	Name of the award	Position acquired (first/second third)

75. Faculty Contributions

75.1. Student Teacher Ratio (STR)

75.2. Faculty Cadre Ratio

75.3. Faculty Qualifications

Name of the Full-time teacher	Qualification	Designation	Year of appointment	Total years of Experience as on 31/10/2021
Resmi Cherian	ME-NET	Assistant Professor	2018	18 years
Aravind G Nair	MTA, MBA	Assistant Professor	2018	11 years
Nayana Elizabeth Andrews	M Tech	Assistant Professor	2021	0
Amarish S	MTA- NET	Assistant Professor	2021	8 years

Ragin Mariya Mathew	MSc Computer Science	Assistant Professor	2021	4 years
Sudheesh Kumar K R	MSc Mathematics	Assistant Professor	2018	
Jeena Shaji	M A English, PhD	Assistant professor (Visiting Faculty-Communicative English department)	2021	0
Savad K A	MCom –NET,JRF	Assistant professor (Visiting Faculty-Commerce department)	2021	9 years
Amrutha T	MCom	Assistant professor (Visiting Faculty-Commerce department)	2021	1 Month

75.3.1. Percentage of full time teachers registered for Ph.D. (Value points will be given only for the first 3 years of registration)

Formula:

Percentage =

$$\frac{\text{Number of full time teachers in the department registered for Ph. D.}}{\text{Total number of full time teachers}} \times 100$$

Percentage=20%

Name of full time teacher registered for PhD	Date of registration	Number of full time teachers registered for PhD	Total number of full time teachers
Resmi Cherian	28/9/2020	1	5

75.3.2. Number of teachers awarded national/international fellowship for advancedstudies/research during the last 3 years: N A

Year	Name of the teacher awarded national / international fellowship	Name of the award	Awarding Agency

75.3.3. Percentage of teachers recognized as research guides: N A

Formula: $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers in the department}} \times 100$

Name of teachers recognized as research guides	Year of recognition	Recognizing University	Total number of teachers

75.4.....F

aculty competencies in correlation to Programme Specific Criteria: N A

75.5.....A

cademic Calendar and Teaching plans

(Upload details of five years)

75.6. Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years: N A

Formula: $\frac{\text{Total number of Ph.D.degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$

Name of the PhD scholar	Name of the guide/s	Title of the thesis	Year of registration of the scholar	Year of award of PhD

75.7. Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, E-content management etc.**

Formula: $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$

Name of teacher using ICT	Type of ICT facilities used	Number of teachers using ICT	Total number of teachers
Resmi Cherian	Power point presentations and videos	5	5
Aravind G Nair	Power point presentations and videos		
Amarish S	Power point presentations and videos		
Ragin Maria Mathew	Power point presentations and videos		
Nayana Elizabeth Andrews	Power point		

	presentations and videos		

** Validation based on student feedback and link for webpage describing LMS/ Academic Management System.

75.8..... Faculty as participants/resource persons in faculty professional development/training Activities/seminars/workshops/symposia/conferences (national & international)

Year	Duration (From – to)	Name of the teacher	Role of the teacher (participation/ resource person)	Type of programme (faculty development/ training/ seminar/ workshop/ symposia/ conference)	Name of the programme	National/ international
2018-19	25-3-2019 to 29-3-2019	Meera Mohan	Participation	Workshop	Game Programming	National
2020-21	22-07-2020 to 28-07-2020	Resmi Cherian	Participation	Faculty Development Programme	Linux Fundamentals with Cloud and Container Platform	International
	29-07-2020 to 30-07-2020	Resmi Cherian	Participation	Faculty Development Programme	IOT Protocols and Security	National
	30-07-2020 to 01-08-2020.	Resmi Cherian	Participation	Faculty Development Programme	Machine Learning Techniques for Brain Computer Interface Applications	National
	17-08-2020 to 22-08-2020	Resmi Cherian	Participation	Workshop	Internet of Medical Things: Challenges and	National

					Solutions	
	24-08-2020 to 29-08-2020.	Resmi Cherian	Participation	Faculty Development Programme	Blockchain Fundamentals	International
	9-9-2020	Resmi Cherian	Participation	Seminar	Salient Features of NEP and its Rationale	State
	5-10-2020 to 10-10-2020.	Resmi Cherian	Participation	Faculty Development Programme	Blockchain Applications	International
	13-10-2020, 15-10-2020 to 17-10-92020.	Resmi Cherian	Participation	Seminar	Best Practices in Research.	International
	16-11-2020 to 20-11-2020.	Resmi Cherian	Participation	Faculty Development Programme	Cyber Security Analytics and Cyber Forensics	National
	23-11-2020 to 27-11-2020.	Resmi Cherian	Participation	Workshop	Research tools and techniques	National
	2-3-2021 to 6-3-2021	Resmi Cherian	Participation	Faculty Development Programme	Machine Learning with its Mathematical Foundations	National
	23-8-2021 to 3-9-2021	Resmi Cherian	Participation	Faculty Development Programme	Deep Learning & Applications (Parallel Architectures)	National
	16-8-2021 to 26-8-2021	Resmi Cherian	Participation	Faculty Development Programme	Cognitive Intelligence: Foundations and Applications	National
	21/06/2020	Aravind G Nair	Participation	Seminar	Sustainability of Tourism in the	National

					time of Covid 19	
	19/09/2020	Aravind G Nair	Participation	Seminar	Government Vs Environment: Build Awareness among Youth	National
	27/07/2020 to 29/07/2020	Aravind G Nair	Participation	Faculty Development Programme	Heritage Tourism: Preservation, Protection and Promotion	International

75.9..... Faculty Retention

75.10..... Faculty Research Publications (FRP)

75.10.1. Number of research papers per teacher in the Journals notified on UGC website during the last 3 years

Formula: $\frac{\text{Total number of publications in UGC notified journals in the last 3 years}}{\text{Total number of teachers who published in UGC notified journals in the last 3 years}}$

Title of paper	Name of the teacher	Name of journal	ISBN/ISSN number	Impact factor if any	Affiliating institute at the time of publication
Impacts of Pilgrimage Tourism at Sabarimalai – Special focus on Environmental Concern	**Aravaind G Nair**	**Journal of Fundamental and Comparative Research**	**ISSN:2277-7067**	**Nil**	**Kavikulaguru Kalidas Sanskrit University**

Journal with the highest impact factor in your stream and its impact factor (multidisciplinary journals are not to be counted):…..

75.10.2. Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years

Formula:

$$\frac{\text{Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years}}{\text{Total number of teachers who published in the last 3 years}}$$

Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	ISBN/ISSN number of the proceeding	Name of the publisher	Affiliating institute at the time of publication

75.10.3. BiblioMetrics of the publications during the last 3 years based on average citation index and H-index in Scopus/ Web of Science or PubMed/ Indian Citation Index/Google scholar

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Average H-index of the faculties	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations

75.11. Faculty Intellectual Property Rights (FIPR)

75.11.1. Number of Patents published/awarded : N A

Name of the teacher	Name of the Patent published/awarded	Patent Number	Year of award	Affiliating institute at the time of publication/award

75.12. Funded R & D projects and consultancy works: N A

75.12.1. Major Research projects sponsored by government sourcessuch as UGC, DST, DBT, KSCSTE, etc. : N A

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

75.12.2. Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees) : N A

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

75.12.3. Research projects sponsored by the non-government sourcessuch as industry, corporate houses, international bodies, endowments (Amount in Rupees): N A

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Funds provided	Duration of the project

75.12.4. Consultancy: NA

Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (amount in rupees)

75.12.5. Revenue generated from corporate training by the department during the previous year: N A

Names of the teacher-consultants	Title of the corporate training program	Agency seeking training with contact details	Revenue generated (amount in rupees)	Number of trainees

75.13. Number of awards for innovation won by teachers : N A

Title of the innovation	Name of the Awardee	Year of award	Name of the Awarding Agency with contact details

75.14......F

aculty interaction with International Collaborations

Name of the faculty	Collaborating agency/ institute/ industry	Name of the agency/ institute/ industry/ organization	Type of collaboration (research/ teaching/ industrial etc.)	Country of the collaborating party	Has any MoU signed?	Validity period of the MoU (from date – to date)

75.15...... M

embership in Professional bodies

75.15.1. Membership in academic bodies in Universities / other colleges

Name of the teacher	Name of the academic body	University/ other college	Position held

75.16...... R

eviewer/Editors of International and national journals

Name of the teacher	Name of the Journal, ISSN No., publisher, national/international	Role of the teacher (Reviewer/ Editor)

75.17. Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 3 years

Academic body / Administrative body / Committee	Name of the Academic body / Administrative body / Committee	Specific role of the faculty	Duration of hours spent in the last 5 years
		Total hours spent	

75.18. Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years: N A

Formula:

Percentage = $\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$

Name of the activity/scheme	Organizing unit/ agency/ collaborating agency	Number of teachers participated in such activities

76. Academic Support Units and Teaching-Learning-Evaluation Process

76.1. Academic Support Units for academic and stress related issues

76.1.1. Ratio of mentor to students for academic and stress related issues

76.1.2. Department level student grievance addressing system

76.2. Teaching-Learning Process

- The Academic Calendar , a part of the College Hand book, is prepared and provided by the Principal, which is considered as the baseline.
- The lesson plan for each course is prepared by the concerned faculty and adherence to the plan is done by the faculty for the completion of the syllabus on time.
- Lecture notes are prepared by the faculty and given to the students for reference.

- Extra time for clearing the doubts in subject is arranged for the students from 9.00 am to 9.55 am and from 4.00 pm to 4.45 pm.

Learning Process

- Student feedback is collected and analyzed to take necessary action.
- Student-centric learning is provided in the practical sessions.
- Experiential learning is ensured through individual or group projects, hands-on training, on-job training.
- Competitive and Team Spirits are developed through group discussions, debates and panel discussions.
- Weak students are supported through bridge courses, remedial coaching and mentoring**.**

76.2.1. Tutorial classes to address student questions

76.2.2. Mentoring system To help at individual levels

10. Does the department assess the learning levels of the students, after admission and organizes special programs for advanced learners and slow learners? – Details.
11. Does the department take special attention on the needs of differently abled students? – Details.

76.2.3. Feedback analysis and reward/corrective measures taken, if any

Describe whether:

Structured feedback received from:

6) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents

for design and review of syllabus - Semester wise /year wise

76.2.4. Scope for self-learning

Do student centric methods, such as experiential learning,participative learning and problem solving methodologies are used for enhancing learning experiences? – details.

76.2.5. Generation of self-learning facilities, availability of materials for learning beyond syllabus

76.2.6. Career Guidance, Training, Placement, and Entrepreneurship Cell

Describe the number of capability enhancement and development schemes

36. Guidance for competitive examinations
37. Career Counseling
38. Soft skill development
39. Induction/Remedial programmes
40. Language lab
41. Bridge courses
42. Personal Counseling

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Industrial Exposure Training with LPTI (Tour Operation Company), Kochi	2019	11	
Industrial Exposure Training with LPTI (Tour Operation Company), Kochi	2019	18	
Industrial Exposure Training Programme – Hospitality Management, Naipunnya Institute of Hotel Management, Cherthala.	2019	11	
Field Visit to Thenmala Eco Tourism Destination (Eco Visit)	2019	29	
Case study visit to Alappuzha – Focused on Problems faced by Allappuzha as Tourist Destination	2019	29	
Case study visit to Kochi – Role of public transportation in Kochi	2019	29	

76.2.6.1. Indicate whether the department conducted tests at the beginning of each semester to identify weak/ potential students?

76.2.6.2. Indicate how the department took extra measures to identify, address and meet the special requirements of differently abled students.

76.2.6.3. Average percentage of students benefited by guidance for competitive examinations and career counseling offered by the department during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated by Career Counseling / competitive exams activities

76.2.6.4. Average percentage of students benefitted by Vocational Education and Training (VET) during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated VET

76.2.7. Role of department in Co-curricular and Extra-curricular Activities of students

76.2.8. Role of department Games and Sports achievements of students

76.2.9. Does the department have a system to check malpractices and plagiarism?

Provide upload the URL having code of ethics	Whether Departments have been provided access to plagiarism detecting software (Yes/No)	Mechanism for detecting plagiarism

77. Continuous improvements

77.1. Improvement in Success Index of Students

77.2. Improvement in Academic Performance Index of Students

77.3. Improvement in Student-Teacher Ratio

77.4. Enhancement of Faculty Qualification Index

77.5. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

77.6. Continuing Education

77.7. New Facility Created

(List the new facilities created with their anticipated impact on the teaching – learning process)

77.8. Overall Improvements since last accreditation, if any, otherwise, since the commencement of the programme

78. Events in Department

78.1. Seminars/Conferences/Workshops conducted(National and International)

78.1.1. Number of national seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years

Name of the seminar / workshop / symposium / conference	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants
GST:- The Structural Analysis and Applications in tourism Industry (Webinar)	NIL	NIL	22/09/2020	Teachers/ students	115
Artificial Intelligence and Re-Imagining the future of Tourism (Webinar)	NIL	NIL	23/09/2020	Teachers/ students	110
Guidelines for Star Classification of Luxury Hotels in India (Webinar)	NIL	NIL	24/09/2020	Teachers/ students	108
New Norms in Aviation:- Covid 19 Pandemic (Webinar)	NIL	NIL	25/09/2020	Teachers/ students	95
Introduction to the World of Cloud Computing (Webinar)	NIL	NIL	07/10/2020	Teachers/ students	70
Digital Image Processing (Webinar)	NIL	NIL	08/10/2020	Teachers/ students	129
Learn Unlearn Relearn: The New Normal	NIL	NIL	09/10/2020	Teachers/ students	99
Being Non-Judgemental A Super Power or a Weakness	NIL	NIL	12/10/2020	Teachers/ students	60
The Geneology of True Self-Confidence	NIL	NIL	16/10/2020	Teachers/ students	56

Workshop on Study Skills and Emotional Management			27 march 2019	**Teachers/ students**	
Orientation Programme on skill Development			30 may 2019	**Teachers/ students**	
skill development programme on Tour operation and Travel Agency Business			30th May 2019	**Teachers/ students**	
Workshop on Tour Operation Functions an itinerary Development			28th March 2019	**Teachers/ students**	
Workshop on Sustainable Tourism Career options and challenges			26th March 2019	**Teachers/ students**	
Workshop on Opportunities and challenges of Hospitality Industry			29th March 2019	**Teachers/ students**	
Soft skill training programme			Nov 5 2018	**Teachers/ students**	51
Placement oriented training programme			22 Nov 2018	**Teachers/ students**	51
Seminar on Hidden Dangers lurking in Social media			March 25 2019	**Teachers/ students**	48
Personality And Career Development			March 25 2019	**Teachers/ students**	48
Soft skill training programme			June 1 2019	**Teachers/ students**	48
Training Programme on Soft Skills					
Interactive seminar session		111			

on "Airport Operations - Safety and Security					
Orientation Programme on Personality Development					
RT Club Inauguration and Presentation on “Responsible Tourism (RT Mission, Govt of Kerala) – Campus Community Partnership Programme.					
Workshop on Placement Oriented Training					
Interactive seminar session on “Cargo and Logistics Management”					
Interactive seminar session on "Wildlife Tourism potentials in Kerala”					
TTL Association Inauguration and Tourism Exhibition					
Workshop on Emotional Intelligence and Study Skills “Regenerate your Self”					
Opportunities and Challenges of Tourism Industry and Logistics					
IT Association Inauguration and talk on “Career					

opportunities in IT"					
Interactive Seminar Session on "Opportunities and Challenges of Tourism Industry"					
Workshop on "Computer Animations using 3DSMAX"					
Cross – Cultural Interaction (Himachal Pradesh & Kerala)					
Workshop on "Recent Trends in Digital Marketing"					
Online participation of Students in "My Government- Incredibile India Campaign " Programme organized by Central Ministry, Tourism & Cultural Affair					

78.1.2. Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 3 years

Name of the Summer school programme	Funding agency	Amount of fund	Date From – To	Beneficiary type : Teachers/ students (UG/PG)	Number of participants

78.1.3. Number of awards for innovation won by department during the last 3 years

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award	Category-department// research scholar/student

78.1.4. Academicians visited

Name and designation of the academician	Name of the Institute/ University of the academician	Country to which the academician belong	Name of the programme attended by the academician	Type of the programme attended by the academician	Beneficiaries of the programme	Funding agency of the programme

78.2. MoU's and Tie-ups

78.2.1. Number of Collaborative activities for research, faculty exchange,student exchange during the last 3 years

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Source of financial support	Duration	Nature of the activity

78.2.2. Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 3 years

Title of the linkage	Name of the partnering institution/ industry	Year of commencement	Duration (From-To)	Nature of linkage	Name of the participant
			111		

	/research lab with contact details				

78.2.3. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 3 years (only functional MoUs with ongoing activities to be considered)

Organization with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs

18.3. Institutes, Scholarships, Endowments

18.3.1. Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government schemes) during the last 3 years

Formula:

$$\text{Percentage} = \frac{\text{Number of students benefited by by scholarships and freeships}}{\text{Total number of students}} \times 100$$

Name of the scholarship/freeship	Number of students benefited

18.4. Fund generated by the department (minor projects, major projects, workshops, symposia, travel grant, scholarship, and if any other)

Type of fund generated	Amount (Rs.)	Name of the Faculty that attracted the fund

18.5. Total number of employability training programmes conducted by the department during the last 3 years and the total number of students attended the programme

Name of the employability training programme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details

18.6. Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes

Name of the teacher	Name of the capacity enhancement scheme / training programme	Name of the institute attended	Duration of the scheme / programme

18.7. Details of extension activities of regular nature organized by the department *

Name of the extension activity	Nature of extension activity	Duration	Involvement of Percentage of students in the department

*Related to the area of knowledge of the department

18.8. Details of activities organized by the department to promote universal values*

Name of the activity	Within the campus/ outreach	Duration	Involvement of Percentage of students in the

			department

18.9. Total number of cultural activities/ competitions organized by the department during the last 3 years

Sl. No.	Name of the activity	Interdepartmental / intercollegiate	Total number of students involved

18.10. Alumni contribution during the last 3 years (Amount in Rupees)

Name of the alumnus/ alumni association	AADHAR / PAN	Year of graduation	Year of contribution	Quantum of contribution (Rs.)

19. SWOT Analysis

13.1. Identify Strength, Weakness, Opportunities and Threats of the Department

13.2. Good practices, if any

- Gender equity promotion programs
- Gender sensitivity in providing facilities such as:
  - Safety and Security
  - Counseling
  - Common room
- Green practices: (Green Audit)
  - Transportation: Bicycles
  - Plastic free department
  - Paperless department
  - Green landscaping
- Initiatives that contribute to local community

- Code of Conduct Handbook/Display of core values/Duties &Rights of citizens
- Activities to increase consciousness about national identities and symbols
- Course on human values and professional ethics
- Departmental functioning is as per professional code
- Activities to promote universal values
- Complete transparency in its financial, academic, administrative and auxiliary functions
- Remedial teaching
- Activities to increase the quality of teaching methodology
- Any other relevant best practices

DSAR SCORE CARD BVOC

CMS College Kottayam
Department Accreditation Score Card
Department of B Voc

Quantitative Matrices:

32. Programme curriculum

Metric No.			Weight	Cumulative Weight (Scored)	cumulative weight (Maximum)
7.5.1	Percentage of programs where syllabus revision was carried out during the last five years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses revised}}{\text{Total number of courses in the programme}} \times 100$ UG: B.Voc TTLM 22. 2018-19 23. 2019-20 24. 2020-21 B.Voc IT 1. 2018-19 2. 2019-20 3. 2020-21	$(0/46) \times 100 = 0$ $(0/46) \times 100 = 0$ $(0/46) \times 100 = 0$ $(0/49) \times 100 = 0$ $(0/49) \times 100 = 0$ $(0/49) \times 100 = 0$	0 0 0 0 0 0		20
	Average weight scored ***Documentary evidences:*** *16. List of courses revised* *17. Copy of approved curriculum* 18. *Minutes of the Board of Studies (2016 onwards)*		0	0	20
7.8	Average percentage of theory courses offered having focus on Gender, Environment & sustainability, Human				

	values & professional ethics and community orientations: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of courses offered with above focus}}{\text{Total number of courses in the programme}} \times 10$ UG: B.Voc TTLM 1. 2018-19 2. 2019-20 3. 2020-21 B.Voc IT 1. 2018-19 2. 2019-20 3. 2020-21	$(3/46) \times 100 = 6.5$ $(3/46) \times 100 = 6.5$ $(3/46) \times 100 = 6.5$ $(1/49) \times 100 = 2.04$ $(1/49) \times 100 = 2.04$ $(1/49) \times 100 = 2.04$	4 4 4 4 4 4		10
	Average weight scored ***Documentary evidences:*** *16. List of courses with the above focus* *17. Copy of approved curriculum* *18. Minutes of the Board of Studies (2016 onwards)*		24	$(24/6) = 4$	10
7.9	New courses introduced: Add-on,/extra credit, Certificate/Diploma etc. for the period 2014-17: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of new courses introduced}}{\text{Total number of courses}} \times 100$ UG: B.Voc TTLM 1. 2018-19 2. 2019-20 3. 2020-21 B.Voc IT 111 1. 2018-19	$(0/46) \times 100 = 0$ $(0/46) \times 100 = 0$ $(0/46) \times 100 = 0$ $(0/49) \times 100 = 0$ $(0/49) \times 100 = 0$	0 0 0 0		10

	2. 2019-20 3. 2020-21	$(0/49) \times 100 = 0$	0 0		
	Average weight scored ***Documentary evidences:*** *11. Copy of approved curriculum* *12. Minutes of the Board of Studies (2016 onwards)*		0	(0/6) = 0	10
7.11	Average percentage of students enrolled in those courses during the years: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students enrolled in the course}}{\text{Total number of students in the dept}} \times 100$ UG: 19. 2018-19 20. 2019-20 21. 2020-21	$(92/124) \times 100 = 74.1$ $(146/146) \times 100 = 10$ $(133/133) \times 100 = 100$	20 20 20		20
	Average weight scored ***Documentary evidences:*** *21. Brochure* *22. Copy of approved curriculum* *23. Minutes of the Board of Studies (2016 onwards)* *24. MoU, if any*		60	60/3 =20	20

7.12	Average percentage of courses (theory/practical) offered as part of the UG/PG programme having focus on employability / entrepreneurship / skill development: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses with above focus}}{\text{Total number of courses in the programme}} \times 100$ UG: B.Voc TTLM 1. 2018-19 2. 2019-20 3. 2020-21 B.Voc IT 1. 2018-19 2. 2019-20 3. 2020-21	$(26/46) \times 100 = 56.5$ $(0/46) \times 100 = 0$ $(0/46) \times 100 = 0$ $(27/49) \times 100 = 55.1$ $(0/49) \times 100 = 0$ $(0/49) \times 100 = 0$	15 0 0 15 0 0		20
	Average weight scored ***Documentary evidences:*** *16. Copy of approved curriculum* *17. Minutes of the Board of Studies (2016 onwards)* *18. MoUs with relevant organizations*		30	30/6=5	20
7.13	Percentage of students undertaking field projects/internships during the years: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\%\text{ of students} = \frac{\text{Number of students undertaking field projects or internshi}}{\text{Total number of students}} \times 100$ UG: 111 1. 2018-19	$(146/208) \times 100 = 70.1$ $(208/208) \times 100 = 100$	8 10		10

	2. 2019-20 3. 2020-21	$(0/208) \times 100 = 00$	0		
	Average weight scored ***Documentary evidences:*** *16. MoUs with relevant organizations* *17. Copy of student internship certificates/ reports* *18. Correspondence with relevant organizations*		18	18/3=6	10
		Total	-	35	**90**

33. Result and Student Performance

Metric. No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)

8.1	Success Rate of courses in UG and PG programmes Weightage distribution: 90% - 100% : 70 wt 80% - 89% : 63 wt 70% - 79% : 56 wt 60% - 69% : 49 wt 50% - 59% : 42 wt 40% - 49% : 35 wt 30% - 39% : 28 wt 20% - 29% : 21 wt 10% - 19% : 14 wt 1% - 9% : 7 wt <1% : 0 wt No. of students who passed the course examination in a ye No. of students appeared for the course examination in a ye × 100				70
	2018-2019 **UG Programme B.Voc Information Technology** 1. EN1811503 Listening and Speakingskills in English 2. MT1811202 Discrete Mathematics I 3. IT1811201 Introduction to IT 4. CA1811103 Programming in C 5. CA1811104 Computer Architecture and Organization 6. IT1811101 Office Automation, Image Editing and Latex 7. IT1811601 Office Automation, Image Editing and Latex Lab 8. CA1811602 C Programming Lab 9. EN1812505 Reading and Writing Skills 10. IT1812202 Environmental Studies 11. MT1812204 Discrete Mathematics-II 12. CA1812106 Data Structures	$(19/19) \times 10 = 100$ $(16/19) \times 100 = 84$ $(7/19) \times 100 = 36.8$ $(16/19) \times 100 = 84$ $(16/19) \times 100 = 84$ $(17/19) \times 100 = 89.4$ $(18/19) \times 100 = 94.7$ $(13/19) \times 100 = 68.4$ $(18/18) \times 10 = 100$ $(9/18) \times 100 = 50$ $(14/18) \times 100 = 77.7$ $(12/18) \times 100 = 66.6$ $(12/18) \times 100 = 66.6$ $18/18) \times 100 = 100$ $18/18) \times 100 = 100$	70 63 28 63 63 63 70 49 70 42 56 49 49 70 70		

	and Algorithms				
	13. IT1812102 Digital Electronics	15/18) × 100 = 83	63		
	14. CA1812603 Data Base ManagementSystemsLab	18/18) × 100 = 100	70		
	15. CA1812604 Data Structure Lab	(12/18) × 100 = 66.6	49		
	16. ST1813206 Statistical Methods And Probability	(14/18) × 100 = 77.7	56		
	17. EN1813507 Social Skills	9/18) × 100 = 50	42		
	18. CM1813201 Business informatics and Principles of Accounting	9/18) × 100 = 50	42		
	19. CA1813110 Object Oriented Programming using Java	18/18) × 100 = 100	70		
	20. CA1813111 Software Engineering andTesting	18/18) × 100 = 100	70		
	21. CA1813107 Microprocessor and PC Hardware	(17/18) × 100 = 94	21		
	22. CA1813605 Java Programming Lab	(5/18) × 100 = 27.7	42		
	23. CM1813601 Business Accounting Lab	(9/18) × 100 = 50	28		
	24. EN1814509 Corporate Skills	6/18) × 100 = 33	42		
	25. IT1814203 Management InformationSystems	(10/18) × 100 = 55.5	35		
	26. CM1814205 Principles of Management	8/18) × 100 = 44	70		
	27. CA1814114 Operating Systems	(17/18) × 100 = 94	70		
	28. CA1814115 Computer Networks	(17/18) × 100 = 94	70		
	29. IT1814103 Object Oriented ModelingAnd Design	(17/17) × 100 = 100	63		
	30. CA1814606 Networks and Operating Systems Lab	(17/17) × 100 = 100	70		
	31. IT1814801 Summer Internship	(15/17) × 100 = 88	21		
	32. IT1815204 Information security	(17/17) × 100 = 100	70		
	33. IT1815205 Aptitude And LogicalReasoning	(4/17) × 100 = 23.5	70		
	34. CM1815202 EntrepreneurshipDevelopment	(17/17) × 100 = 100	56		
	35. IT1815104 Web development	(17/17) × 100 = 100	63		
	36. CA1815117 Mobile ApplicationDevelopment-	(17/17) × 100 = 100	63		
		(12/17) × 100 = 70.5	42		
		(15/17) × 100	63		

	Average weight scored ***Documentary evidences:*** *6. Semester wise result records from COE*		$(\frac{7385}{119})$ = 62.05	62.05	70
8.2	Percentage of students qualifying state/ national/ international level examinations for the last 5 years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/ State government examinations/ other examination) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students appeared for the exam}} \times 100$ UG: 7. 2018-19 8. 2019-20 9. 2020-21	 0 0 0	 0 0 0		 20
	Average weight scored ***Documentary evidences:*** *6. Year wise list of students qualifying each examination*		0	0	20
8.3.1 & 8.3.3	Average % of placement of outgoing students during last 3 years (Weightage distribution: 75% - 100% : 40 wt 50% - 74% : 30 wt 25% - 49% : 20 wt 1% - 24% : 10 wt $\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$ 111 **UG:**	 $(9/55) \times 100$ = 16.3	 10 10		 40

	22. 2018-19 outgoing batch (till now) 23. 2019-20 outgoing batch (till now) 24. 2020-21 outgoing batch (till now)	$(9/51) \times 100 = 17.6$ $(9/51) \times 100 = 17.6$	10		
	Average weight scored ***Documentary evidences:*** *Annual Report of Placement Cell*		30	30/3= 10	40
8.3.2 & 8.3.4	% of outgoing student progression to higher studies during last 3 years Weightage distribution: 75% - 100% : 30 wt 50% - 74% : 20 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of outgoing students progressing to higher educatio}}{\text{Total number of final year students in the programme}} \times 100$ **UG:** 25. 2018-19 outgoing batch (till now) 26. 2019-20 outgoing batch (till now) 27. 2020-21 outgoing batch (till now)	$(4/55) \times 100 = 7.27$ $(4/51) \times 100 = 7.4$ $(4/51) \times 100 = 7.4$	5 5 5		
	Average weight scored 111		15	15/3= 5	30

	Documentary evidences: *Alumni data base (batch wise file of data containing student name, programme, year of study, contact details with email and phone number, present status (employment/higher studies).*				
8.4.1	Number of students participated in sports at state/national/ international level during the last 3 years 16. International : 10 wt per student 17. National : 5 wt per student *18.* State : 3 wt per student	10 × 0 = 0 5 ×0 =0 3 ×2 = 6	6		20
	Documentary evidences: *Participation certificates*		6	6	20
8.4.2	Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years 11. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 12. Intramural (1^{st} and 2^{nd} prices) : 5 wt per student	10 ×0 = 0 5 × 0 = 0	0		20
	Documentary evidences: *Award certificates*		0	0	20
8.4.3	Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 3 years 16. International : 10 wt per student 17. National : 5 wt per student 18. State : 3 wt per student	10 × 0 = 0 5 ×0 = 0 3 ×1 = 3	3		20
	Documentary evidences: *Participation certificates*		3	3	20
8.4.4	Number of awards/ medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years 11. Intercollegiate 111 (1^{st} and 2^{nd} prices) : 10 wt per	10 ×0= 0	0		20

	student 12. Intramural 1st and 2nd prices) : 5 wt per student	5 ×0 = 0			
	Documentary evidences: *Award certificates*		0	0	20
8.4.5	Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$ 7. 2018-19 8. 2019-20 9. 2020-21	0	0	0	20
	Average weight scored ***Documentary evidences:*** *6. Letter from the agency/Any other documents relating to the activity*		0	0	20

<table>
<tr><td>8.4.6</td><td>Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3 years
Weightage distribution:
75% - 100% : 10 wt
50% - 74% : 8 wt
25% - 49% : 6 wt
1% - 24% : 4 wt
$\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$
7. 2018-19
8. 2019-20
9. 2020-21</td><td>0
1/51 x 100 = 1.96
0</td><td>4</td><td></td><td>10</td></tr>
<tr><td></td><td>Average weight scored

Documentary evidences:
6. List from the concerned teacher in charge (programme officer, NCC Officer, etc.)</td><td></td><td>4</td><td>4/3=1.33</td><td>10</td></tr>
<tr><td>8.4.7</td><td>Total number of academic events organized with professional societies/ chapters
Example:
<table><tr><th>Name of the student</th><th>Name of society/chapter</th><th>Academic event organized</th></tr><tr><td>NA</td><td></td><td></td></tr><tr><td>NA</td><td></td><td></td></tr><tr><td>NA</td><td></td><td></td></tr></table>2 wt per event</td><td>0 × 2 = 0</td><td>0</td><td></td><td>10</td></tr>
<tr><td></td><td>Average weight scored

Documentary evidences:
16. Brochures of the events
17. Photographs of the events
18. Reports of the events</td><td></td><td>0</td><td>0</td><td>10</td></tr>
<tr><td>8.4.8</td><td>(a) Organization of paper contests/design contests/ exhibition, etc. during the last 3 years by department organization
2 wt per one event –Maximum wt 10.</td><td>0× 2 = 0</td><td>0</td><td></td><td></td></tr>
</table>

	Average weight scored ***Documentary evidences:*** *11. Brochures* *12. Photographs*		0/3=0	0	10
8.4.9	Total number of UG/PG/PhD student publications in UGC approved research journals 5 wt per publication (Maximum 20 wt) 7. 2018-19 8. 2019-20 9. 2020-21	$0 \times 5 = 0$ $0 \times 5 = 0$ $0 \times 5 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copies of publications*		$(0/3) = 0$	0	20
8.4.10	(a) Total number of entrepreneurship initiatives during the last 3 years 5 wt per initiative 7. 2018-19 8. 2019-20 9. 2020-21	$0 \times 5 = 0$ $0 \times 5 = 0$ $0 \times 5 = 0$			20
	Weight scored ***Documentary Evidences:*** *Report and photographs of each initiatives*		$(0/3) = 0$	0	20
	Total number of product designs and innovations 5 wt per product or innovation 7. 2018-19 8. 2019-20 9. 2020-21	$0 \times 5 = 0$ $0 \times 5 = 0$ $0 \times 5 = 0$		0	30
	Weight scored ***Documentary Evidences:*** *Project report with working model*		0/3 = 0	0	30

8.4.11	Average number of awards in inter – institute events/ intercollegiate fest/exhibition/ paper contests/design contests, etc. for students (1^{st}, 2^{nd}, 3^{rd} prices) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of students achieved in such contests}}{\text{Total number of students in the dept}} \times 100$ 7. 2018-19 8. 2019-20 9. 2020-21	0	0 0 0		10
	Average weight scored ***Documentary evidences:*** *Certificates of achievement*		(0/3) = 0	0	10.0
		Total		87.38	370

34. Faculty contributions

Metric No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
9.3.1	(a) Percentage of full time teachers withPh.D. Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{No. of teachers in the department registered for Ph. D.}}{\text{Total No. of teachers in the department}} \times 100$	$(1/5) \times 100 = 20$	5		20

	Average weight scored ***Documentary evidences:*** *6. Copy of Ph.D. certificate*		5	5	20
	(b) Percentage of full time teachers registered for Ph.D. after appointment (during the last 3 years) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{No. of teachers in the department with Ph. D.}}{\text{Total No. of teachers in the department.}} \times 100$	0	0	0	10
	Average weight scored ***Documentary evidences:*** *6. Copy of registration certificate (valid for five years from the date of registration)*		0	0	10
9.3.2.	Number of teachers awarded university/state/national/international fellowship (post-doctoral) for advancedstudies/research during the last 3 years International: 8 wt National : 6 wt State : 4 wt University : 2 wt 7. 2018-19 8. 2019-20 9. 2020-21	0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	20.0

9.3.3	Percentage of teachers recognized as research guides Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers with Ph. D.}} \times 100$	0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order*		0	0	20
9.6	Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years Weightage distribution: 16. 3 Ph.D.s awarded per teacher : 20 wt 17. 2 Ph.D.s awarded per teacher : 15 wt 18. 1 Ph.D. awarded per teacher : 10 wt $\frac{\text{Total number of Ph. D. degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$	0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order of award of Ph.D. degree*		0	0	20
9.7	Average percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, virtual lab etc. Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$	$(5/5) \times 100 = 100$	10		10
	Average weight scored ***Documentary evidences:*** 111 *11. List of teachers*		10	10	10

	12. *ICT resources prepared by each teacher in CD format/uploaded in the College website*				
9.8	Faculty as participants/ resource persons in faculty professional development/ training Activities/ seminars/ workshops/ symposia/ conferences (national & international) International: 16. No. of faculties >10 : 10 wt 17. No. of faculties 5-10 : 5 wt 18. No. of faculties 1-5 : 2 wt National: 16. No. of faculties >10 : 5 wt 17. No. of faculties 5-10 : 3 wt 18. No. of faculties 1-5 : 1 wt	2 1	2 1		10
	Average weight scored ***Documentary evidences:*** *11. List of teachers* *12. Certificates of participation*		3	3	10.0
9.10.1	Number of research papers per teacher in the Journals notified on UGC website during the last 3 years Weightage distribution: 21. > 5 papers per teacher : 20 wt 22. 3-4 papers per teacher : 15 wt 23. 2 papers per teacher : 10 wt 24. 1 paper per teacher : 5 wt Total number of publications in the last 3 years / Total number of published teachers	1/1 = 1	5		20
	Average weight scored ***Documentary evidences:*** *Copy of the papers*		5	5	20
9.10.2	Number of books and chapters in edited volumes / books published (ISSN), and papers in national/international conference-proceedings (ISSN) per teacher during the last 5 years Weightage distribution: 16. 20 wt per book 17. 10 wt per book chapter 18. 4 wt per papers in national/ international conference - proceedings	0	0		20
	Average weight scored ***Documentary evidences:*** 111 *Copy of the books and chapters in edited*		0	0	20

	volumes / books published, and papers in national/international conference-proceedings				
9.10.3	Sum of the bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index Weightage distribution: 26. Citation index > 10 : 30 wt 27. Citation index 7.0-9.9 : 20 wt 28. Citation index 4.0-6.9 : 10 wt 29. Citation index 1.0-3.9 : 5 wt 30. Citation index 0.1-1 : 2 wt	0	0		30
	Average weight scored ***Documentary evidences:*** *Proof of citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index*		0	0	30
9.11.1	Number of Patents published/awarded Weightage distribution: 10 wt per patent	0× 10 = 10	0		20
	Average weight scored ***Documentary evidences:*** *Copy of patent published/awarded*		0	0	20
9.12.1 & 9.12.3	Major Research projects sponsored by government sourcessuch as UGC, DST, DBT, KSCSTE, etc. and non-government sources such as industry, corporate houses, international bodies, endowments etc. (completed) Weightage distribution: 10 wt per MRP completed.	10 ×0 = 0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	20
9.12.2	Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees) (Completed) Weightage distribution: 5 wt per project completed	5 ×0 = 0	0		15
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	15
9.12.4	Revenue generated from Consultancy Weightage distribution: 5 wt per consultancy 111	5 ×0 = 0	0		15

	Average weight scored ***Documentary evidences:*** *11. Copy of MoU* *12. Copy of bank account statements*		0	0	15
9.12.5	Revenue generated from corporate training by the department during the previous year Weightage distribution: 5 wt per training programme	5 ×0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of bank account statements*		0	0	10
9.13	Number of awards for innovation won by teachers Weightage distribution: 5 wt per award	5 ×0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	10
9.14	Faculty interaction with International Collaborations Weightage distribution: 10 wt per collaboration	0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of MoU*		0	0	20
9.15.1	Membership in academic bodies in Universities / other colleges Weightage distribution: 5 wt per membership	0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of membership approval letter/email/order*		0	0	10
9.16	Reviewer/Editors of International and national journals/Books (ISSN) Weightage distribution: International: 11. 5 wt per editorship 12. 2 wt per reviewership National: 11. 3 wt per editorship 12. 1 wt per reviewership	0	0 0 0 0		10

	Average weight scored ***Documentary evidences:*** *Copy of invitation letter/email/order from the journal to become reviewer/editor*		0	0	10
9.17	Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 3 years Average hours spent by each faculty: $\left(\frac{\text{Total hours spent by all the faculties in an year}}{\text{Total number of faculties}}\right)$ 31. Greater than 200 hrs : 20 wt 32. 100 to 200 hrs : 15 wt 33. 50 to 100 hrs : 10 wt 34. 10 to 50 hrs : 5 wt 35. 1 to 10 hrs : 2 wt 36. 0 hrs : 0 wt	0	0		20
	Average weight scored ***Documentary evidences:*** *11. List of faculties involved* *12. Copy of relevant certificates/ orders/other documents duly signed by the Principal*		0	0	20
9.18	Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$	0	0		10
	Average weight scored 111 ***Documentary evidences:***		0	0	10

	Copy of relevant certificates/orders/other documents duly signed by the Principal				
		Total		23	340

35. Academic Support Units and Teaching-Learning-Evaluation Process

Metric No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
10.1.1.	Ratio of mentor to students for academic and stress related issues (Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of mentors}}{\text{Total number of teachers in the department}} \times 100$	0	0		20
	Average weight scored ***Documentary evidences:*** 111 *11. List of students under each mentor*		0	0	20

	12. *Documentary evidences on mentor:mentee interactions*				
10.1.2	Indicate whether the department has an effective student grievance addressing system or not. 11. Yes – 10 wt 12. No – 0 wt	Yes	10		10
	Average weight scored ***Documentary evidences:*** *11. List of students registered complaints* *12. Copies of action taken reports*		10	10	10
10.2.1	Tutorial classes to address student questions Average no. of tutorial classes conducted per teacher in an year: 26. 16 – 20 classes : 10 wt 27. 11 – 15 classes : 8 wt 28. 6 – 10 classes : 6 wt 29. 3 – 5 classes : 4 wt 30. 1 – 2 classes : 2 wt $\frac{\text{Total number of tutorial classes conducted}}{\text{Total number of teachers conducted tutorial classe}}$	0	0		10
	Average weight scored ***Documentary evidences:*** *6. Attendance register of students*		0	0	10
10.2.6	Describe the number of capability enhancement and development programmes Weightage distribution: 2 wt per programme	$2 \times 6 = 12$	12		10
	Average weight scored ***Documentary evidences:*** *11. Brochures of the programmes* *12. Attendance register of students*		12	10	10
10.2.6.3	Average percentage of students participated for competitive examinations and career counseling offered by the department/college during the last five years (e.g. feel employable programme) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt				

	25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 7. 2018-19 8. 2019-20 9. 2020-21	0	0		20
	Average weight scored ***Documentary evidences:*** *11. Brochures of the programmes* *12. Attendance register of students*		0	0	20
10.2.9	Does the department have a system to check malpractices and plagiarism 11. Yes – 10 wt 12. No – 0 wt	No	0		10
	Average weight scored ***Documentary evidences:*** *11. Web-link of the plagiarism detection software* *12. Action taken report*		0	0	10
		Total		20	80

12.Events in Departments

Metric No.		(Example with hypothetical figure) %	Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
12.1.1	Average number of national/international seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years Weightage distribution: International: 11. 2 – 4 programmes: 20 wt 12. 1 – 2 programmes: 10 wt National: 11. 2 – 4 programmes: 10 wt 12. 1 – 2 programmes: 5 wt 7. 2018-19 8. 2019-20 9. 2020-21	0	0		20
	Average weight scored ***Documentary evidences:*** *21. Brochure of the programme* *22. Photos of the programmes* *23. Reports of the programme* *24. Copy of publication of proceedings*		0/3 = 0	0	20
12.1.2	Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 5 years Weightage distribution: 10 wt per summer school programme	10 × 0 = 0			10
	Average weight scored ***Documentary evidences:*** *16. Brochure of the programme* *17. Photos of the programme* *18. Reports of the programme*		0	0	10
12.1.3	Average number of awards for innovation won by department during the last 3 years Weightage distribution: 5 wt per award	5 ×0 = 0			10
	Average weight scored 111		0	0	10

	Documentary evidences: *Copy of award certificate*				
12.1.4	Average number of academicians visited for talks or lectures Weightage distribution: 2 wt per programme	0			10
	Average weight scored ***Documentary evidences:*** *16. Brochure of the programme* *17. Photos of the programme* *18. Reports of the programme*		0	0	10
12.2.1	Number of Collaborative activities for research, faculty exchange,student exchange during the last 5 years (other than faculty collaborations) Weightage distribution: 10 wt per collaboration	$10 \times 0 = 10$			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such programmes*		0	0	20
12.2.2	Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 5 years Weightage distribution: 5 wt per MoU	$5 \times 0 = 0$			10
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such linkage programmes*		0	0	10
12.2.3	Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 5 years (only functional MoUs with ongoing activities to be considered Weightage distribution: 5 wt per MoU	0			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's*		0	0	20
12.3.1	Percentage of students benefited by scholarships, endowments and freeships			0	

	provided by the Stakeholders of the department (besides government, department scholarships) during the last 5 years (Weightage distribution: 30% - 40% : 20 wt 20% - 29% : 15 wt 10% - 19% : 10 wt 1% - 9% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 7. 2018-19 8. 2019-20 9. 2020-21	0	0 0 0		20
	Average weight scored ***Documentary evidences:*** *Agreement of the Scheme with the Stakeholders*		0	0	20
12.4	Fund generated by the department (e.g. SARD scheme of KSCSTE) Weightage distribution: 10 wt per project	10 ×0 = 0			20
	Average weight scored ***Documentary evidences:*** *16. Sanction/concurrence letters/orders* *17. Bank account statements* *18. Cash Register*		0	0	20
12.5	Total number of employability training programmes conducted by the department during the last 3 years and the total number of students attended the programme Weightage distribution: 5 wt per programme	0			10
	Average weight scored ***Documentary evidences:*** *11. Brochures* *12. List of students programmewise*		0	10	10
12.6	Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes				

	Weightage distribution: 2 wt per programme	0			10
	Average weight scored ***Documentary evidences:*** *Copy of participation certificates*	0	0	0	10
12.7	Details of extension activities of regular nature organized by the department in adopted villages Weightage distribution: 5 wt per programme	5 ×0 = 0			20
	Average weight scored ***Documentary evidences:*** *16. Brochures of the programme* *17. Photos of the programme* *18. Reports of the programme*		0	0	20
12.8	Details of activities organized by the department to promote universal values Weightage distribution: 2 wt per programme	0			10
	Average weight scored ***Documentary evidences:*** *16. Brochures of the programme* *17. Photos of the programme* *18. Reports of the programme*		0	0	10
12.9	Total number of cultural activities/ competitions organized by the department during the last 3 years Weightage distribution: 2 wt per activity	0			10
	Average weight scored ***Documentary evidences:*** *16. Brochures of the programme* *17. Photos of the programme* *18. Reports of the programme*		0	10	10
12.10	Alumni contribution during the last 3 years (Amount in Rupees) Amount: 36. > 5 Lakhs : 20 wt 37. 1-5 Lakhs : 10 wt 38. 0.5 – <1 Lakh : 5 wt 39. < 0.5 Lakhs : 1 wt	0	0	0	30
	Average weight scored ***Documentary evidences:*** *16. Copy of cheques, DD's etc.*		0	0	30

	obtained from Alumni *17. Bank account statements* *18. Cash register*				
		Total		20	230

Feedback

10.2.3	Feedback received from: 1) Students – 3 wt 2) Teachers – 3 wt 3) Employers – 3 wt 4) Alumni – 3 wt 5) Parents – 3 wt for design and review of syllabus - Semester wise /year wise.	0	0		15
	Average weight scored ***Documentary evidences:*** *11. Feedback reports* *12. List of corrective measures taken*		0	0	15
		Total		0	15

Qualitative Matrices:

Part – C

40. Vision, Mission and Programme Outcomes

41. Programme Specific Outcomes with global relevance for developmental needs

42. Programme Curriculum

42.1. Curriculum

42.2. C

omponents of Curriculum and their relevance to PSOs and POs

42.3. Core subjects and their relevance to Program outcomes

42.4. Course Syllabus

42.5. ..... M

easures and processes used to identify the curricular gaps to the attainment of the COs/PSOs with global relevance for developmental needs.

42.6. V

ertical mobility of programmes

42.7. content beyond syllabus imparted for the attainment of the COs/PSOs

9. Faculty Contributions

9.4. Faculty competencies in correlation to Programme Specific Criteria

9.5. Academic Calendar and Teaching plans

36. Continuous improvements 111

11.36. Improvement in Success Index of Students

11.37. Improvement in Academic Performance Index of Students

11.38. Improvement in Student-Teacher Ratio

11.39. Enhancement of Faculty Qualification Index

11.40. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

11.41. Continuing Education

11.42. New Facility Created

13. SWOT analysis

14. Student Perception

15. Any other relevant points included by the peer team

Score Calculation:

Maximum total weight of Qn. Matrices = 1125 (75% of the maximum total weight)
Maximum total weight of Ql. Matrices = 375 (25% of the maximum total weight)
Maximum total weight = 1125 + 375 = 1500
Maximum CGPA = 4.0
Scored weight of Qn. Matrices = 247.43
Scored weight of Ql. Matrices = Y
Scored total weight = Scored weight of Qn. Matrices + Scored weight of Qn. Matrices
= 247.43 + Y
=

$$\text{Obtained CGPA} = \left(\frac{\text{Scored total weight}}{1500}\right) \times 4$$

$$= \left(\frac{\quad}{1500}\right) \times 4$$

$$\text{Obtained CGPA} = 2.62$$

Range of Departmental Cumulative Grade Point Average (CGPA)	**Grade**
3.51 – 4.00	A++
3.26 – 3.50	A+
3.01 – 3.25	A
2.76 – 3.00	B++
2.51 – 2.75	B+
2.01 – 2.50	B
1.51 – 2.00	C
≤ 1.50	D

CMS COLLEGE (AUTONOMOUS) KOTTAYAM

DEPARTMENT SELF – ASSESSMENT REPORT (DSAR) MANUAL

DEPARTMENT OF SYRIAC

October 2021

DEPARTMENTSELF – ASSESSMENTREPORT (DSAR) MANUAL

The Department Self Assessment Report (DSAR) is intended to shed light into the current status of the department in terms of its Strength, Weakness, Opportunities and Threats. As such, the department is expected to provide accurate data and observations that reflect the true and real status of the department. The data that will be collected from the department would fall into three parts.

- **Part A** : Basic data of the department (will not be used for assessment)
- **Part B** : Data about infrastructure, governance, financial status (will not be used for assessment)
- **Part C** :Data collected in this part will be used for assessment and accreditation.

The department should provide data for the academic years 2018-19, 2019-20, 2020-21 (past 3 years) separately under each relevant question and for each UG and PG programmes offered.

The department need not supply the supporting documents while submitting the DSAR, but should keep them in original for peer team assessment. After the assessment, softcopies/scanned copies of supporting documentsmust be sent to dsar@cmscollege.ac.in within a week of assessment.

For queries, please e-mail to dsar@cmscollege.ac.in.

PART A

79. Departmental Information

79.1..... N

ame and address of the department-Syriac ,Department of Syriac

79.2..... N

ame, designation, telephone number, and e-mail address of the head/contact person.

MeenuThomas ,guest lecture, 8592941759,meenu@cmscollege.ac.in

79.3..... H

istory of the department including dates of introduction and number of seats ofvarious programmes of study.

(Instruction: History of the institution and its chronological development along with the records of past accreditation need to be listed here.)

79.4..... M

ission and Vision of the department: 111

(Instruction: The department is required to specify its Mission and Vision).

79.5..... List of the programmes/ departments which share human resources and/or the facilities of this department/ programme (in %).

(Instruction: Institutes needs to mention the different programs which share the human resources and facilities with the department/ programme being accredited.)

79.6..... Total number of students:

79.7..... Total number from other states and countries:

79.8..... Total number of differently abled students:

79.9..... Minimum and maximum number of staff on roll in college, during the current and five previous academic years in the department:

(A tabular format may be used)

79.10..... Details of full time teachers against sanctioned posts

(Position sanction letters verified by DCF of AISHE or the concerned authority, Soft copy of appointment letters of faculties during 3 years, Pan No. of faculties)

79.11. Full time teachers from other states against sanctioned posts(Softcopy of supporting document)

79.12. Faculty experience

Name of the Full-time teacher	PAN	Designation	Year of appointment	Total years of Experience as on 31/10/2021	Is the teacher still serving the institution/If not last year of the service of Faculty to the Institution
Meenu Thomas		**Guest lecture**	**AUG1 2016**	5years	

79.13. Total number of differently abled teachers:

79.14. Percentage of full time teachers with Ph.D.

Percentage =

$$\frac{\text{Number of full time teachers in the department with Ph. D.}}{\text{Total number of full time teachers}} \times 100$$

Name of full time teacher with PhD	Number of full time teachers with PhD	Total number of full time teachers

79.15. Is the department an approved research centre by University / National / International bodies?
(Yes/No; provide order number with year and name of affiliating University)

79.16. Summary of budget for the Previous Financial Year (PFY) and the actual expenditure incurred in the PFY.

79.17. Summary of budget for the Current Financial Year (CFY).

PART B

80. Facilities and Technical Support

80.1..... Class rooms in the Department

80.1.1. ..... Adequate number of rooms for lectures (core/electives), seminars, tutorials, etc.for the program

(Provide a description with the number of existing rooms and lack of them, if any)

Purpose of the class rooms	No. of existing classrooms	No. of class rooms required
lectures		
Seminars		
Tutorials		
Total number of classrooms required		

80.1.2. ..... Teaching aids – multimedia projectors, etc.

(Provide a description with the number of existing classrooms with such facilities and lack of thereof, if any)

Type of facility	No. of existing classrooms with the facility	No. of class rooms with the facility required
Multimedia projector		
Screen		
Smart boards		
Wireless microphone		
Speaker		
Computer		
UPS		
Server		
Document camera		
Educational softwares		
WIFI/LAN facilities		
Total number of classrooms with teaching aids required		

80.1.3. ..... Acoustics, class room size, conditions of chairs/benches, air circulation, lighting, exits, ambiance, and such other amenities/facilities

(Provide a description of the facilities and amenities classroom wise)

80.1.4. Seminar halls with ICT facilities

Type of facility	No. of existing seminar halls with the facility	No. of seminar halls with the facility required
Multimedia projector		
Screen		
Smart boards		

Wireless microphone		
Speaker		
Computer		
UPS		
Server		
Document camera		
Educational softwares		
WIFI/LAN facilities		
Total number of seminar halls with ICT facilities required		

80.2..... Faculty Rooms in the Department

80.2.1. ..... Availability of individual faculty rooms

(Provide a description)

80.2.2. ..... Room equipped with white/black board, computer, Internet connectivity, adequate number of plug points, UPS connectivity and such other amenities/facilities

(Provide a description with number of facilities and lack of thereof, if any)

80.2.3. ..... Usage of room for discussion/counseling with students

80.3..... Laboratories in the Department to meet the Curriculum Requirements and the PSOs

80.3.1..... Adequate, well-equipped laboratories to meet the curriculum requirements and the PSOs

(Provide a description with the number of laboratories and lack of thereof, if any)

80.3.2..... Adequate, well-equipped laboratories to conduct research projects

(Provide a description with the number of laboratories and lack of thereof, if any)

80.3.3..... Equipments to run experiments and their maintenance, Number of students per experimental set up, Size of the laboratories, overall ambience etc.

(Provide both quantitative and qualitative information)

Name of the equipment	Number of students per equipment/experiment	Size of the laboratories

80.3.4. ..... Availability of computing facilities in the department

Number of computer labs	Number of computers	Number of UPS	Number of servers	Internet connectivity (yes/no) Speed (mb/ps)	Access to e-resources (yes/no)	Student : Computer ratio

(Provide a description with the number of computers and related facilities, adequate space for laboratory etc. and lack of thereof, if any)

80.3.5..... Availability of laboratories with technical support within and beyond working hours

(Provide a description of the type and extent of technical support lent to the laboratories, number of such laboratories, number of technicians assigned to each laboratory and lack of thereof, if any)

80.4..... Technical Manpower Support in the Department

80.4.1..... Availability of adequate and qualified technical supporting staff for program specific laboratories and lack of thereof, if any.

80.4.2..... Incentives, skill-up gradation and professional advancement.

81. Infrastructure, Governance, Institutional Support and Financial Resources

81.1..... Campus infrastructure and facility

81.1.1..... Maintenance of academic infrastructure and facilities

(Provide a description of the current situation and a history over the last 3 years)

81.1.2..... Hostel (boys and girls), transportation facility, and canteen

(Provide a description of the current situation with the number of students obtained hostel, transportation and canteen facilities and a history over the last 3 years)

81.1.3..... Electricity, power back up, telecom facility, drinking water, and security

(Provide a description of the current situation and a history over the last 3 years)

81.2..... Organization, Governance and Transparency

81.2.1..... Governing body, administrative setup, and functions of various bodies and cells

(Provide information about the department level bodies and committees)

81.2.2..... Defined rules, procedures, recruitment, and promotional policies, etc.

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

81.2.3..... Decentralization in working, including delegation of financial power and grievance redressal system

(Provide descriptions based on minutes and other supporting documents arose from department level committee decisions)

81.2.4. Transparency and availability of correct/unambiguous information disseminated among the department staff

81.3. Budget Allocation, Utilization and public Accounting

81.3.1. Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

81.3.2. Utilization of allocated funds

(Provide description with numbers related to utilization)

81.4. Programme Specific Budget Allocation, Utilization

81.4.1. Adequacy of budget allocation

(Provide description with numbers related to budget allocation)

81.4.2. Utilization of allocated funds

(Provide description with numbers related to utilization)

81.5. Facilities: Animal House/Green House / Museum, Fabrication facility, Media laboratory/Business Lab/Studios, Research/Statistical Databases(Year of establishment, Hyperlink of videos and pictures (geotagged) – verified from DCF of AISHE)

81.6. Library

81.6.1. Library space and ambience, timings and usage, availability of a qualified librarian and other staff, library automation, online access, networking, specialized facilities (ILL, download, printing, facilities for differently abled students) etc.

(Provide description)

81.6.2. Titles and volumes per title of books, journals and periodicals.

(List the titles and volumes per title)

81.6.3. Scholarly journal subscription

(List the details of journals including publisher, ISBN number, broad range of study, specific field of study, how the subscription of a specific journal is beneficial for faculty and students)

81.6.4. Digital Library

81.6.5. Library expenditure on books, magazines/journals, and miscellaneous contents

(Provide description with numbers related to expenditure)

81.6.6. Number of withdrawal of books by students in the previous year*****

Formula:

$$\frac{\text{Number of withdrawal of books from department library in previous year}}{\text{Total number of students}} \times 100$$

$$\frac{\text{Number of withdrawal of books from College library in previous year}}{\text{Total number of students}} \times 100$$

*Source: Issue register

81.7..... Internet

(Indicate the internet usage policy, whether satisfactory internet speed is available all the time etc.)

81.8..... Safety norms

81.8.1. Checks for wiring and electrical installations for leakage and earthing.

(Provide description)

81.8.2. Fire-fighting measurements: Effective safety arrangements with emergency / multiple exits and ventilation / exhausts in auditoriums and large classrooms / laboratories, fire-fighting equipment and training, availability of water, and other such facilities.

(Provide description with the number of equipments available and lack of thereof, if any)

81.8.3. Safety of civil structure

(Provide description)

81.8.4. Handling of hazardous chemicals and such other activities

(Provide description and issues, if any)

81.9..... C

ounseling and Emergency Medical Care and First-Aid

81.9.1. Availability of counseling facility

(Provide description and issues, if any)

81.9.2. Arrangement of emergency medical care

(Provide description and issues, if any)

81.9.3. Availability of First Aid Unit

(Provide description and issues, if any)

PART C

82. Programme Specific information

82.1..... N

ame of the Programme

(List name of the programme, as it appears on graduate's certificates and transcript, and abbreviation used for the programme)

82.2..... T

itle of the Degree

(List name of the degree, as it appears on graduate's certificates and transcript, and abbreviation used for the degree).

82.3..... H

istory of the programme

(Provide description)

82.4..... D

eficiencies, weaknesses/concerns and challenges from previous accreditations of NAAC

(Provide description)

82.5..... T

otal number of students in the programme:

(Instruction: Total number of students, both boys and girls, has to be listed here. The data may be categorized in tabular form under graduate, post graduate, Doctoral Degree, or other program, if applicable.)

Year	Total number of	Total number of	Total number of	Total number of

	students in UG programme		students in PG programme		students in Ph.D. programme		students in diploma/ certificate/ other programmes	
	Male	Female	Male	Female	Male	Female	Male	Female

83. Vision, Mission and Programme Outcomes

83.1..... Vision and Mission

83.1.1. State the Mission and Vision of the College and department in relation to programme outcomes

(List and articulate the mission and vision statement of the College and department)

83.1.2. Indicate how and where the Vision and Mission are published and disseminated

(Describe in which media (e.g. websites, curricula books) the vision and mission are published and how these are disseminated to stakeholders)

83.1.3. Mention the process for defining Vision and Mission of the department

(Articulate the process involved in defining the vision and mission of the department from the vision and mission of the College)

83.2..... Program Outcomes

83.2.1. Describe the Programme Outcomes (POs)

(List and articulate the program outcomes of the program under accreditation)

83.2.2. State how and where the POs are published and disseminated

(Describe in which media (e.g. websites, curricula books) the POs are published and how these are disseminated to stakeholders)

83.2.3. List Stakeholders of the Program

(List stakeholders of the program under consideration for accreditation and articulate their relevance)

83.2.4. State the process for establishing POs

(Describe the process that periodically documents and demonstrates that the POs are based on the needs of the program's various stakeholders.)

83.2.5. Establish consistency of POs with Mission

(Describe how the PO's are consistent with the Mission of the department.)

83.3..... Attainment of Program Outcomeswith global relevance for developmental needs

83.3.1. Justify the contributions of the Programme Curriculum towards attainment of POs

(Describe the broad curricular components that contribute towards the attainment of the POs.)

83.3.2. Explain how administrative system helps in ensuring the attainment of POs

(Describe the committees and their functions, working process and related regulations.)

83.3.3. Indicate the additional co-curricular activities undertaken towards the attainment of the POs

83.4..... Assessment of the attainment of Programme Outcomeswith global relevance for developmental needs

83.4.1. Indicate tools and processes used in assessment of the attainment of POs

Describe the assessment process that periodically documents and demonstrates the degree to which the PO's are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each PO is based. Examples of data collection processes may include, but are not limited to, employer surveys, graduate surveys, focus groups, industrial advisory committee meetings, or other processes that are relevant and appropriate to the programme; the frequency with which these assessment processes are carried out.

83.4.2. Provide the evidence of the achievement of POs

The expected level of attainment for each of the PO.

Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the PO is being attained; and how the results are documented and maintained.

83.4.3. Indicate how the POs have been redefined the past

84. Programme Specific Outcomeswith global relevance for developmental needs

84.1..... Definition and Validation of Course Outcomes and Programme Specific Outcomes

84.1.1. List the Course Outcomes (COs) and Programme Specific Outcomes (PSOs)

(List the Course Outcomes (CO) of the courses in programme curriculum and programme specific outcomes (PSO) of the programme under accreditation)

84.1.2. State how and where the PSOs are published and disseminated

(Describe in which media (eg. websites, curricula, books etc.) PSOs are published and how the same is disseminated among stakeholders).

84.1.3. Indicate processes employed for defining PSOs

(Describe the process that periodically documents and demonstrates that the PSOs are defined in alignment with the graduate attributes of NAAC)

84.1.4. Indicate how defined PSOs aligned to Graduate Attributes prescribed by UGC

(Indicate how the PSOs defined for the programme are aligned with the Graduate Attributes of UGC)

84.1.5. Establish the correlation between PSOs and POs

Explain how the defined PSOs of the programme correlate with the POs

84.2..... Attainment of Programme Specific Outcomes

84.2.1. Illustrate how Course outcomes (CO) contribute to PSOs

(Provide the correlation between the course outcomes and the programme specific outcomes. The strength of correlation may also be indicated)

84.2.2. Explain how modes of delivery of courses help in attainment of PSOs

(Describe the different course delivery methods/ modes, e. g. lectures interspersed with discussion, asynchronous mode of interaction, group discussion projects etc., used to deliver the courses and justify the effectiveness of these methods for the attainment of PSOs. This may be further justified using the indirect assessment methods such as course-end surveys.)

84.2.3. Indicate the extent to which the laboratory and project course work are contributing towards the attainment of the PSOs

(Justify the balance between theory and practical for the attainment of PSOs. Justify how the various project works (a sample of 20% best and average projects from total projects) carried as part of the programme curriculum contribute towards the attainment of the PSOs.)

84.3..... Assessment of the Attainment of Program Specific Outcomes

84.3.1. Describe assessment tools and processes used for assessing the attainment of each PSO

(Describe the assessment process that periodically documents and demonstrates the degree to which the PSOs are attained. Also include information on:

A listing and description of the assessment processes used to gather the data upon which the evaluation of each the PO is based. Examples of data collection processes may include, but are not limited to, specific exam questions, student portfolios, internally developed assessment exams, senior project presentations, nationally-normed exams, oral exams, focus groups, industrial advisory committee; the frequency with which these assessment processes are carried out.)

84.3.2. Indicate results of assessment of each PSOs

a) The expected level of attainment for each of the program outcomes;

b) Summaries of the results of the evaluation processes and an analysis illustrating the extent to which each of the programme outcomes are attained; and

c) How the results are documented and maintained.

84.4..... U

se of Assessment results towards improvement of programme

(Articulate, with rationale, how the results of the evaluation of the PSOs have been used to review/redefine the PSOs)

85. Program Curriculum

85.1..... C

urriculum

85.1.1. Describe the Structure of the Curriculum

(List the course outcomes of the courses in programme curriculum and programme specific outcomes of the programme under accreditation)

85.1.2. Justify how the program curriculum satisfies the program specific outcomes

85.2..... S

tate components of Curriculum and their relevance to PSOs and POs

(Program curriculum grouping based on different components).

85.3..... S

tate Core subjects and their relevance to Program outcomes

85.4. Course Syllabus

(Include, in appendix, a syllabus for each course used. Syllabi format should be consistent and shouldn't exceed two pages.)

The syllabi format may include:

- Department, course number, and title of course
- Designation as a required or elective course
- Pre-requisites
- Contact hours and type of course (lecture, tutorial, seminar, project etc.)
- Course Assessment methods (both continuous and semester end assessment)
- Course outcomes
- Text books, and/or reference material

85.5..... I

llustrate the measures and processes used to identify the curricular gaps to the attainment of the COs/PSOswith global relevance for developmental needs.

Organizing curriculum that reflects the experience of the students

(Details of the processes used to curricular gaps to the attainment of defined course outcomes and programme).

85.5.1. Syllabi revision –No: of programs added/dropped year wise.

Year of Introduction of the programme	If revision has been carried out in the syllabus during last 5 years	Year of revision	Title and code of the course added	Title and code of the course dropped	Percentage of Syllabus content added or replaced	Link of the relevant document

(Link of relevant document, Academic Council meeting minutes)

85.6. Vertical mobility of programmes

(Explain how and when mobility windows are provided during the course of a programme, how the students benefited the vertical mobility of programmes, what are the challenges and limitations etc.)

85.7. Indicate the content beyond syllabus imparted for the attainment of the COs/PSOs

(Details of content beyond syllabus imparted for the attainment of the COs/PSOs. This information may be provided course wise or modular wise)

85.8. Percentage of courses having focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations for the last 5 years

Note: Calculate the percentage for courses addressing each issue separately.

85.8.1. UG programme[$]

$$\text{Percentage} = \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$$

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations
	111		

[$] If there are more than one UG programme in a department, provide the data and the percentage for them separately.

85.8.2. PG Programme[$$]

Formula:

Percentage $= \frac{\text{Number of courses with focus on Gender issues}}{\text{Total number of courses in the programme}} \times 100$

Name of the Program	Name of the Course	Course Code	Activities with direct focus on Gender, Environment & sustainability, Human values & professional ethics and community orientations

[$$] If there are more than one PG programme in a department, provide the data and the percentage for them separately.

85.9..... New courses introduced:Certificate/Diploma, Twinning/Dual Degree Programme, Double Main/Triple Main, Open Courses, etc.

Name of the course	Year of Introduction	Aided/ Self-financing	Relevance to PSO and POs

(Documents of course approval or tie up if any,Minutes of AC/BOS)

85.10. Number of programmes withCBCS/elective course system implementedyear wise

Name of the programme	Title and code of the elective course	Number of hours and credit of the course	Relevance to POs and PSOs.

(Minutes of the BOS)

85.11. Number of value-added courses (with 30 or more contact hours) imparting transferable and life skills offered & percentage of students enrolled in those courses

during the previous academic year

Formula:

Percentage of students enrolled in value added courses = Number of students enrolled in the courses in the last 3 years / Total number of courses in all programmes ×100

Year -				
Name of the value added courses (with 30 or more contact hours)offered during last 5 years	**Course Code**	**No. of times offered during the same year**	**Number of students enrolled in the year**	**Number of Students completing the course in the year**

85.12. Employability/ entrepreneurship / skill development

85.12.1. Percentage of courses in UG programme having focus on employability / entrepreneurship / skill development for the last 3 years¶

Percentage =Number of courses with focus on employability / entrepreneurship / skill development / Total number of courses in the UG programme × 100

Name of the Program	**Name of the Course**	**Year of introduction**	**Year of discontinuation**	**Activities with direct bearing on Employability/ Entrepreneurship/ Skill development**

¶ If there are more than one UG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

85.12.2. Percentage of courses in PG programme having focus on employability / entrepreneurship / skill development for the last 3 years¶

Formula:

Percentage =Number of courses with focus on employability / entrepreneurship / skill development / Total number of courses in the UG programme × 100

Name of the Program	Name of the Course	Year of introduction	Year of discontinuation	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development

¶ If there are more than one PG programme in a department, provide the data and the percentage for them separately.

(Documents: Syllabus of the courses, Minutes of BOS/AC with course approvals)

85.13. Industry interaction/internship

(Give the details of industry involvement in the program such as industry attached laboratories and partial delivery of courses and internship opportunities for students).

85.13.1. Percentage of UG students undertaking field projects/internships in other institutions

Formula:

$$\frac{\text{Number of UG students undertaking field projects or internships}}{\text{Total number of UG students}} \times 100$$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out

85.13.2. Percentage of PG students undertaking field projects/internships in other institutions

Formula:

$$\frac{\text{Number of PG students undertaking field projects or internships}}{\text{Total number of PG students}} \times 100$$

Semester	Name of students undertaking field projects/ internships	No. of students undertaking field projects/ internships	Total number of students	Location / firm at which field projects / internships is carried out
		111		

86. Result andStudents Performance

86.1..... S

uccess Rate (Result)

Formula:

Pass percentage = $\frac{\text{Total number of students who passed the course examination in a year}}{\text{Total number of students appeared for the course examination in a year}} \times 100$

UG Main Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

UG Subsidiary Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

UG Open Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

UG Common Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

UG Additional Language Courses-2018-2019, 2019-2020, 2020-2021

Course title and code Sc1811501 SC1811502	Number of students passed the course examination	Pass percentage	Number of students with grade						
			A	B	C	D	E	F	
SEMI	54	92.86 100	S 5	A+ 12	A 12	B+ 14	B 7	C 2	F 2
SEMII 1812503 1812504	53	96.43 100	3	14	8	11	11	4	1
SEMIII 1813201	16	100	2	5	3	5		1	
SEMIV 1814506	16	100	2	4	2	3	3	1	D 1

2019-2021 1811501 181502 SEMI	91	92.86 100	9	12	30	14	18	7	1
SEMII 1812503	91	92.86	3	21	17	20	20	3	D-1 F-2
SEMIII 1813505	24	98	1	11	3	3	2	2	F-1
SEMIV	RESULT NOT PUBLISHED								

PG Courses

Semester	Course title and code	Number of students appeared for the course examination	Number of students passed the course examination	Pass percentage	Number of students with grade					
					A	B	C	D	E	F

86.2..... Academic Performance

86.2.1. Percentage of students qualifying state/ national/ international level examinations during the last 3 years (eg: NET/SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations/ other examination)

Formula:

Percentage =

$$\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students who have appeared for the exam}} \times 100$$

Academic year:

Registration number/roll number for the exam	Number of students selected/ qualifying								
	NET	**SLET**	**GATE**	**GMAT**	**CAT**	**GRE**	**TOFEL**	**Civil Services**	**State government examinations**

86.3..... P

lacement and Higher Studies

86.3.1. Percentage of placement of outgoing students from UG programme during the last 3 years[$$]

Formula:

Percentage =

$$\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$$

Number of students placed	Name of the employer with contact details	Package received

[$$] If the department offers more than one UG programme, provide the data and the percentage for each programme

86.3.2. Percentage of student progression from UG programme to higher education, i.e. UG to PG (previous graduating batch)[##]

Formula: $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Name of program graduated from	Number of students enrolling into higher education	Name of institution joined	Name of program admitted to

[##]If the department offers more than one UG programme, provide the data and the percentage for each programme

86.3.3. Percentage of placement of outgoing students from PG programme during the last 3 years[$$]

Formula:

Percentage $= \frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$

Number of students placed	**Name of the employer with contact details**	**Package received**

[$$] If the department offers more than one PG programme, provide the data and the percentage for each programme

86.3.4. Percentage of student progression from PG programme to higher education , i.e. PG to M.Phil./PhD (previous graduating batch)[##]

Formula: $\frac{\text{Number of outgoing UG students progressing to higher education}}{\text{Total number of final year students in the UG programme}} \times 100$

Name of program graduated from	**Number of students enrolling into higher education**	**Name of institution joined**	**Name of program admitted to**

[##]If the department offers more than one PG programme, provide the data and the percentage for each programme

86.4. Extra-curricular Activities

(Instruction: Student support system concerned may provide data for the past five years)

86.4.1. Number of students participated in sports at intercollegiate / University / state/ national / international level during the last 3 years

Name of the event	**Name of the student**	**Regional/State/ National/ International**	**AADHAR / Student ID number**

86.4.2. Number of awards/medals for outstanding performance in sports at

intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number

86.4.3. Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 3 years

Name of the event	Name of the student	Regional/State/ National/ International	AADHAR / Student ID number

86.4.4. Number of awards/medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 3 years

Name of the event	Name of the student	Name of the award/ medal	Regional/State/ National/ International	AADHAR / Student ID number

86.4.5. Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years

Formula:

Percentage = $$\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$$

Name of the activity	Name of the student	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities	Total number of students

86.4.6. Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 3 years

Formula:

Percentage = $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$

Name of the activity	Name of the student	Number of students participated in such activities	Total number of students

Provide table wise and year wise data separately for NSS/NCC/Clubs/College Union etc.

86.4.7. Professional societies/ chapters and organizing academic events

Name of the student	Name of society/chapter	Academic event organized

86.4.8. Organization of paper contests, design contests, etc., and achievements

Name of the student	Name of contest	Type of the contest	Achievements

86.4.9. Publication of technical magazines, newsletters, journals, etc.

Name of the student	Technical magazine				Newsletter				Journal			
	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.	Name	Title	Volume	Page No.

86.4.10. Entrepreneurship initiatives, product designs and innovations (Describe the initiatives taken)

86.4.11. Publications and awards in inter – institute events by students of the programme of study

Name of the student	Name of the awarding	Name of the	Name of the	Position

	institute	event	award	acquired (first/second third)

87. Faculty Contributions

87.1. Student Teacher Ratio (STR)

87.2. Faculty Cadre Ratio

87.3. Faculty Qualifications

87.3.1. Percentage of full time teachers registered for Ph.D. (Value points will be given only for the first 3 years of registration)

Formula:

Percentage =

$$\frac{\text{Number of full time teachers in the department registered for Ph. D.}}{\text{Total number of full time teachers}} \times 100$$

Name of full time teacher registered for PhD	Date of registration	Number of full time teachers registered for PhD	Total number of full time teachers

87.3.2. Number of teachers awarded national/international fellowship for advancedstudies/research during the last 3 years

Year	Name of the teacher awarded national / international fellowship	Name of the award	Awarding Agency

87.3.3. Percentage of teachers recognized as research guides

Formula: $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers in the department}} \times 100$

Name of teachers recognized as research guides	Year of recognition	Recognizing University	Total number of teachers
	111		

87.4..... Faculty competencies in correlation to Programme Specific Criteria

87.5..... Academic Calendar and Teaching plans

(Upload details of five years)

87.6. Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years

Formula: $\frac{\text{Total number of Ph.D.degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$

Name of the PhD scholar	Name of the guide/s	Title of the thesis	Year of registration of the scholar	Year of award of PhD

87.7. Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, E-content management etc.**

Formula: $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$

Name of teacher using ICT	Type of ICT facilities used	Number of teachers using ICT	Total number of teachers

** Validation based on student feedback and link for webpage describing LMS/ Academic Management System.

87.8..... Faculty as participants/resource persons in faculty professional development/training Activities/seminars/workshops/symposia/conferences (national & international)

Year	Duration (From – to)	Name of the teacher	Role of the teacher (participation/ resource person)	Type of programme (faculty development/ training/ seminar/ workshop/ symposia/	Name of the programme	National/ international

				conference)		

87.9..... Faculty Retention

87.10..... Faculty Research Publications (FRP)

87.10.1. Number of research papers per teacher in the Journals notified on UGC website during the last 3 years

Formula: $\frac{\text{Total number of publications in UGC notified journals in the last 3 years}}{\text{Total number of teachers who published in UGC notified journals in the last 3 years}}$

Title of paper	Name of the teacher	Name of journal	ISBN/ISSN number	Impact factor if any	Affiliating institute at the time of publication

Journal with the highest impact factor in your stream and its impact factor (multidisciplinary journals are not to be counted):…..

87.10.2. Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years

Formula:

$$\frac{\text{Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last 3 years}}{\text{Total number of teachers who published in the last 3 years}}$$

Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	ISBN/ISSN number of the proceeding	Name of the publisher	Affiliating institute at the time of publication

87.10.3. BiblioMetrics of the publications during the last 3 years based on average citation index and H-index in Scopus/ Web of Science or PubMed/ Indian Citation Index/Google scholar

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Average H-index of the faculties	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations

87.11. Faculty Intellectual Property Rights (FIPR)

87.11.1. Number of Patents published/awarded

Name of the teacher	Name of the Patent published/awarded	Patent Number	Year of award	Affiliating institute at the time of publication/award

87.12. Funded R & D projects and consultancy works

87.12.1. Major Research projects sponsored by government sourcessuch as UGC, DST, DBT, KSCSTE, etc.

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

87.12.2. Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees)

Name of the Principal Investigator	Name of the Project/ Endowments, Chairs	Funds provided	Duration of the project

87.12.3. Research projects sponsored by the non-government sourcessuch as industry, corporate houses, international bodies, endowments (Amount in

Rupees)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Funds provided	Duration of the project

87.12.4. Consultancy

Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (amount in rupees)

87.12.5. Revenue generated from corporate training by the department during the previous year

Names of the teacher-consultants	Title of the corporate training program	Agency seeking training with contact details	Revenue generated (amount in rupees)	Number of trainees

87.13. Number of awards for innovation won by teachers

Title of the innovation	Name of the Awardee	Year of award	Name of the Awarding Agency with contact details

87.14...... Faculty interaction with International Collaborations

Name of the faculty	Collaborating agency/ institute/ industry	Name of the agency/ institute/ industry/ organization	Type of collaboration (research/ teaching/ industrial etc.)	Country of the collaborating party	Has any MoU signed?	Validity period of the MoU (from date – to date)

87.15......M embership in Professional bodies

87.15.1. Membership in academic bodies in Universities / other colleges

Name of the teacher	Name of the academic body	University/ other college	Position held

87.16......R eviewer/Editors of International and national journals

Name of the teacher	Name of the Journal, ISSN No., publisher, national/international	Role of the teacher (Reviewer/ Editor)

87.17. Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 3 years

Academic body / Administrative body / Committee	Name of the Academic body / Administrative body / Committee	Specific role of the faculty	Duration of hours spent in the last 5 years

		Total hours spent	

87.18. Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 3 years

Formula:

Percentage = $\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$

Name of the activity/scheme	Organizing unit/ agency/ collaborating agency	Number of teachers participated in such activities

88. Academic Support Units and Teaching-Learning-Evaluation Process

88.1. Academic Support Units for academic and stress related issues

88.1.1. Ratio of mentor to students for academic and stress related issues

88.1.2. Department level student grievance addressing system

88.2. Teaching-Learning Process

88.2.1. Tutorial classes to address student questions

88.2.2. Mentoring system To help at individual levels

12. Does the department assess the learning levels of the students, after admission and organizes special programs for advanced learners and slow learners? – Details.
13. Does the department take special attention on the needs of differently abled students? – Details.

88.2.3. Feedback analysis and reward/corrective measures taken, if any

Describe whether:

Structured feedback received from:

7) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents

for design and review of syllabus - Semester wise /year wise

88.2.4. Scope for self-learning

Do student centric methods, such as experiential learning,participative learning and problem solving methodologies are used for enhancing learning experiences? – details.

88.2.5. Generation of self-learning facilities, availability of materials for learning beyond syllabus

88.2.6. Career Guidance, Training, Placement, and Entrepreneurship Cell

Describe the number of capability enhancement and development schemes

43. Guidance for competitive examinations
44. Career Counseling
45. Soft skill development
46. Induction/Remedial programmes
47. Language lab
48. Bridge courses
49. Personal Counseling

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details

88.2.6.1. Indicate whether the department conducted tests at the beginning of each semester to identify weak/ potential students?

88.2.6.2. Indicate how the department took extra measures to identify, address and meet the special requirements of differently abled students.

88.2.6.3. Average percentage of students benefited by guidance for competitive examinations and career counseling offered by the department during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated by Career Counseling / competitive exams activities

88.2.6.4. Average percentage of students benefitted by Vocational Education and Training (VET) during the last 3 years

Year	Name of the scheme	Number of students benefited/attended / participated VET

88.2.7. Role of department in Co-curricular and Extra-curricular Activities of students

88.2.8. Role of department Games and Sports achievements of students

88.2.9. Does the department have a system to check malpractices and plagiarism?

Provide upload the URL having code of ethics	Whether Departments have been provided access to plagiarism detecting software (Yes/No)	Mechanism for detecting plagiarism

89. Continuous improvements

89.1. Improvement in Success Index of Students

89.2. Improvement in Academic Performance Index of Students

89.3. Improvement in Student-Teacher Ratio

89.4. Enhancement of Faculty Qualification Index

89.5. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

89.6. Continuing Education

89.7. New Facility Created

(List the new facilities created with their anticipated impact on the teaching – learning process)

89.8. Overall Improvements since last accreditation, if any, otherwise, since the commencement of the programme

90. Events in Department

90.1. Seminars/Conferences/Workshops conducted(National and International)

90.1.1. Number of national seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years

Name of the seminar / workshop / symposium / conference	Funding agency	Amount of fund 111	Date From – To	Beneficiary type : Teachers/	Number of participants

				students (UG/PG)	

90.1.2. Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 3 years

Name of the Summer school programme	**Funding agency**	**Amount of fund**	**Date From – To**	**Beneficiary type : Teachers/ students (UG/PG)**	**Number of participants**

90.1.3. Number of awards for innovation won by department during the last 3 years

Title of the innovation	**Name of the Awardee**	**Name of the Awarding Agency with contact details**	**Year of Award**	**Category- department// research scholar/student**

90.1.4. Academicians visited

Name and designation of the academician	**Name of the Institute/ University of the academician**	**Country to which the academician belong**	**Name of the programme attended by the academician**	**Type of the programme attended by the academician**	**Beneficiaries of the programme**	**Funding agency of the programme**

90.2. MoU’s and Tie-ups

90.2.1. Number of Collaborative activities for research, faculty exchange,student exchange during the last 3 years

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Source of financial support	Duration	Nature of the activity

90.2.2. Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 3 years

Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage	Name of the participant

90.2.3. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last 3 years (only functional MoUs with ongoing activities to be considered)

Organization with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs

19.3. Institutes, Scholarships, Endowments

19.3.1. Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government schemes)

during the last 3 years

Formula:

$$\text{Percentage} = \frac{\text{Number of students benefited by by scholarships and freeships}}{\text{Total number of students}} \times 100$$

Name of the scholarship/freeship	Number of students benefited

19.4. Fund generated by the department (minor projects, major projects, workshops, symposia, travel grant, scholarship, and if any other)

Type of fund generated	Amount (Rs.)	Name of the Faculty that attracted the fund

19.5. Total number of employability training programmes conducted by the department during the last 3 years and the total number of students attended the programme

Name of the employability training programme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details

19.6. Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes

Name of the teacher	Name of the capacity enhancement scheme / training programme	Name of the institute attended	Duration of the scheme / programme

19.7. Details of extension activities of regular nature organized by the department *

Name of the extension activity	Nature of extension activity	Duration	Involvement of Percentage of students in the department

*Related to the area of knowledge of the department

19.8. Details of activities organized by the department to promote universal values*

Name of the activity	Within the campus/ outreach	Duration	Involvement of Percentage of students in the department

19.9. Total number of cultural activities/ competitions organized by the department during the last 3 years

Sl. No.	Name of the activity	Interdepartmental / intercollegiate	Total number of students involved

19.10. Alumni contribution during the last 3 years (Amount in Rupees)

Name of the alumnus/ alumni association	AADHAR / PAN	Year of graduation	Year of contribution	Quantum of contribution (Rs.)
		111		

20. SWOT Analysis

13.1. Identify Strength, Weakness, Opportunities and Threats of the Department

13.2. Good practices, if any

- Gender equity promotion programs
- Gender sensitivity in providing facilities such as:
  - Safety and Security
  - Counseling
  - Common room
- Green practices: (Green Audit)
  - Transportation: Bicycles
  - Plastic free department
  - Paperless department
  - Green landscaping
- Initiatives that contribute to local community
- Code of Conduct Handbook/Display of core values/Duties &Rights of citizens
- Activities to increase consciousness about national identities and symbols
- Course on human values and professional ethics
- Departmental functioning is as per professional code
- Activities to promote universal values
- Complete transparency in its financial, academic, administrative and auxiliary functions
- Remedial teaching
- Activities to increase the quality of teaching methodology
- Any other relevant best practices

DSAR SCORE CARD SYRIAC

CMS College Kottayam
Department Accreditation Score Card
Department of Syriac

Quantitative Matrices:

37. Programme curriculum

Metric No.			Weight	Cumulative Weight (Scored)	cumulative weight (Maximum)
7.5.1	Percentage of programs where syllabus revision was carried out during the last five years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses revised}}{\text{Total number of courses in the programme}} \times 100$ UG: 25. 2018-19 26. 2019-20 27. 2020-21 PG: 10. 2018-19 11. 2019-20 12. 2020-21	$(0/6) \times 100 = 0$ $(0/6) \times 100 = 0$ $(0/6) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0 0 0 0		20
	Average weight scored ***Documentary evidences:*** *19. List of courses revised* *20. Copy of approved curriculum* 21. *Minutes of the Board of Studies (2016 onwards)*		0	0	20
7.8	Average percentage of theory courses offered having focus on Gender, Environment & sustainability, Human values & professional ethics and				

	community orientations: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of courses offered with above focus}}{\text{Total number of courses in the programme}} \times 10$ UG: 28. 2018-19 29. 2019-20 30. 2020-21 PG: 28. 2018-19 29. 2019-20 30. 2020-21	$(0/6) \times 100 = 0$ $(0/6) \times 100 = 0$ $(0/6) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0 0 0 0		10
	Average weight scored ***Documentary evidences:*** *19. List of courses with the above focus* *20. Copy of approved curriculum* *21. Minutes of the Board of Studies (2016 onwards)*		0	$(0/6) = 0$	10
7.9	New courses introduced: Add-on,/extra credit, Certificate/Diploma etc.for the period 2014-17: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of new courses introduced}}{\text{Total number of courses}} \times 100$ UG: 31. 2018-19 32. 2019-20 33. 2020-21 PG: 31. 2018-19	$(0/6) \times 100 = 0$ $(0/6) \times 100 = 0$ $(0/6) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0 0 0 0		10

111

	32. 2019-20 33. 2020-21				
	Average weight scored ***Documentary evidences:*** *13. Copy of approved curriculum* *14. Minutes of the Board of Studies (2016 onwards)*		0	$(0/6) = 0$	10
7.11	Average percentage of students enrolled in those courses during the years: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students enrolled in the course}}{\text{Total number of students in the dept}} \times 100$ UG: 34. 2018-19 35. 2019-20 36. 2020-21 PG: 34. 2018-19 35. 2019-20 36. 2020-21	$(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0 0 0 0		20
	Average weight scored ***Documentary evidences:*** *25. Brochure* *26. Copy of approved curriculum* 111 *27. Minutes of the Board of Studies*		0	$(0/6) = 0$	20

	(2016 onwards) *28. MoU, if any*				
7.12	Average percentage of courses (theory/practical) offered as part of the UG/PG programme having focus on employability / entrepreneurship / skill development: Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of courses with above focus}}{\text{Total number of courses in the programme}} \times 100$ UG: 10. 2018-19 11. 2019-20 12. 2020-21 PG: 10. 2018-19 11. 2019-20 12. 2020-21	$(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0 0 0 0		20
	Average weight scored ***Documentary evidences:*** *19. Copy of approved curriculum* *20. Minutes of the Board of Studies (2016 onwards)* *21. MoUs with relevant organizations*		0	$(0/6) = 0$	20
7.13	Percentage of students undertaking field projects/internships during the years: Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\%\text{ of students} = \frac{\text{Number of students undertaking field projects or internshi}}{\text{Total number of students}} \times 100$	$(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0		10

	UG: 10. 2018-19 11. 2019-20 12. 2020-21 PG: 19. 2018-19 20. 2019-20 21. 2020-21	$(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0		
	Average weight scored ***Documentary evidences:*** *19. MoUs with relevant organizations* *20. Copy of student internship certificates/ reports* *21. Correspondence with relevant organizations*		0	$(0/6) = 0$	10
		Total	-	0	**90**

38. Result and Student Performance

Metric. No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
8.1	Success Rate of courses in UG and PG programmes Weightage distribution: 90% - 100% : 70 wt 80% - 89% : 63 wt 70% - 79% : 56 wt 60% - 69% : 49 wt 50% - 59% : 42 wt 40% - 49% : 35 wt 30% - 39% : 28 wt 20% - 29% : 21 wt 10% - 19% : 14 wt 1% - 9% : 7 wt <1% : 0 wt 111				70

	No. of students who passed the course examination in a ye No. of students appeared for the course examination in a ye × 100 **2018-21:** **UG Programme (Courses offered)** 119. Sc1811501 120. SC1811502 121. 1812503 122. 1812504 123. 1813201 124. 1814506 125. 1811501 126. 181502 127. 1812503 128. 1813505	$(54/x) \times 100 = 92$ $(54/54) \times 100 = 100$ $(53/x) \times 100 = 96$ $(53/53) \times 100 = 100$ $(16/16) \times 100 = 100$ $(16/16) \times 100 = 100$ $(91/x) \times 100 = 92$ $(91/91) \times 100 = 100$ $(91/91) \times 100 = 100$ $(24/x) \times 100 = 98$	70 70 70 70 70 70 70 70 70 70		
	Average weight scored ***Documentary evidences:*** *7. Semester wise result records from COE*		$(\frac{700}{10})$ = 70	70	70
8.2	Percentage of students qualifying state/ national/ international level examinations for the last 5 years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/ State government examinations/ other examination) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt 111				

	$\frac{\text{Number of students qualifying state / national / international level examinations}}{\text{Total number of students appeared for the exam}} \times 100$ UG: 22. 2018-19 23. 2019-20 24. 2020-21 PG: 10. 2018-19 11. 2019-20 12. 2020-21	 $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0 0 0 0		20
	Average weight scored ***Documentary evidences:*** *7. Year wise list of students qualifying each examination*		0	(0/6) = 0	20
8.3.1 & 8.3.3	Average % of placement of outgoing students during last 3 years (Weightage distribution: 75% - 100% : 40 wt 50% - 74% : 30 wt 25% - 49% : 20 wt 1% - 24% : 10 wt $\frac{\text{Number of outgoing students placed}}{\text{Total number of outgoing students}} \times 100$ **UG:** 28. 2018-19 outgoing batch (till now) 29. 2019-20 outgoing batch (till now) 30. 2020-21 outgoing batch (till now) **PG:** 10. 2018-19 outgoing batch (till now) 11. 2019-20 outgoing batch (till now) 12. 2020-21 outgoing batch (till now)	 $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0 0 0 0		40
	Average weight scored ***Documentary evidences:*** *Annual Report of Placement Cell*		0	(0/6) = 0	40
8.3.2 & 8.3.4	% of outgoing student progression to higher studies during last 5 years				

	Weightage distribution: 75% - 100% : 30 wt 50% - 74% : 20 wt 25% - 49% : 10 wt 1% - 24% : 5 wt Number of outgoing students progressing to higher educatio / Total number of final year students in the programme × 100 **UG:** 10. 2018-19 outgoing batch (till now) 11. 2019-20 outgoing batch (till now) 12. 2020-21 outgoing batch (till now) **PG:** 10. 2018-19 outgoing batch (till now) 11. 2019-20 outgoing batch (till now) 12. 2020-21 outgoing batch (till now)	$(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0 0 0 0		
	Average weight scored ***Documentary evidences:*** *Alumni data base (batch wise file of data containing student name, programme, year of study, contact details with email and phone number, present status (employment/higher studies).*		0	(0/6) = 0	30
8.4.1	Number of students participated in sports at state/national/ international level during the last 3 years 19. International : 10 wt per student 20. National: 5 wt per student *21.* State : 3 wt per student	10 ×0 =0 5 ×0=0 3 ×0=0	0		20
	Documentary evidences: *Participation certificates*		0	0	20
8.4.2	Number of awards/medals for outstanding performance in sports at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years 13. Intercollegiate (1st and 2nd prices) : 10 wt per student	10 ×0 = 0 5 × 0 = 0	0		20

	14. Intramural (1^{st} and 2^{nd} prices) : 5 wt per student				
	Documentary evidences: *Award certificates*		0	0	20
8.4.3	Number of students participated in cultural events at intercollegiate / University / state/ national / international level during the last 5 years 19. International : 10 wt per student 20. National : 5 wt per student 21. State : 3 wt per student	$10 \times 0 = 0$ $5 \times 0 = 0$ $3 \times 0 = 0$	0		20
	Documentary evidences: *Participation certificates*		0	0	20
8.4.4	Number of awards/ medals for outstanding performance in cultural events at intercollegiate / University / state/ national / international level (award for a team event should be counted as one) during the last 5 years 13. Intercollegiate (1^{st} and 2^{nd} prices) : 10 wt per student 14. Intramural 1^{st} and 2^{nd} prices) : 5 wt per student	$10 \times 0 = 0$ $5 \times 0 = 0$	0		20
	Documentary evidences: *Award certificates*		0	0	20
8.4.5	Percentage of students participating in extension activities with Government Organizations, Non-Government Organizations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$ 10. 2018-19 11. 2019-20 12. 2020-21 111	$(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0		20

<table>
<tr><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td>Average weight scored

Documentary evidences:
7. Letter from the agency/Any other documents relating to the activity</td><td></td><td>0</td><td>(0/6) = 0</td><td>20</td></tr>
<tr><td>8.4.6</td><td>Percentage of students participating in corporate activities of the College such as NSS/NCC/Clubs/College Union/any other administrative bodies, etc. during the last 5 years
Weightage distribution:
75% - 100% : 10 wt
50% - 74% : 8 wt
25% - 49% : 6 wt

1% - 24% : 4 wt

$\frac{\text{Number of students participating in such activities}}{\text{Total number of students}} \times 100$

10. 2018-19
11. 2019-20
12. 2020-21</td><td>$(0/0) \times 100 = 0$
$(0/0) \times 100 = 0$
$(0/0) \times 100 = 0$</td><td>0
0
0</td><td>0</td><td>10</td></tr>
<tr><td></td><td>Average weight scored

Documentary evidences:
7. List from the concerned teacher in charge (programme officer, NCC Officer, etc.)</td><td></td><td>0</td><td>(0/6) = 0</td><td>10</td></tr>
<tr><td>8.4.7</td><td>Total number of academic events organized with professional societies/ chapters
Example:
<table><tr><th>Name of the student</th><th>Name of society/chapter</th><th>Academic event organized</th></tr><tr><td>xx</td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>
2 wt per event</td><td>$0 \times 2 = 2$</td><td>0</td><td></td><td>10</td></tr>
<tr><td></td><td>Average weight scored

Documentary evidences: 111
19. Brochures of the events</td><td></td><td>0</td><td>0</td><td>10</td></tr>
</table>

	20. Photographs of the events *21. Reports of the events*				
8.4.8	(a) Organization of paper contests/design contests/ exhibition, etc. during the last 5 years by department organization 2 wt per one event –Maximum wt 10.	0× 2 = 2	0		
	Average weight scored ***Documentary evidences:*** *13. Brochures* *14. Photographs*		0	0	10
8.4.9	Total number of UG/PG/PhD student publications in UGC approved research journals 5 wt per publication (Maximum 20 wt) 10. 2018-19 11. 2019-20 12. 2020-21	5×0 = 0 5×0 = 0 5×0 = 0	0 0 0		20
	Average weight scored ***Documentary evidences:*** *Copies of publications*		0	(0/6) = 0	20
8.4.10	(a) Total number of entrepreneurship initiatives during the last 5 years 5 wt per initiative 10. 2018-19 11. 2019-20 12. 2020-21	0×5 = 0 0×5 = 0 0×5 = 0			20
	Weight scored ***Documentary Evidences:*** *Report and photographs of each initiatives*	0	0/3 =0	0	20
	(e) Total number of product designs and innovations 5 wt per product or innovation 10. 2018-19 11. 2019-20 12. 2020-21	0 0 0		0	30
	Weight scored ***Documentary Evidences:*** *Project report with working model*	0	0/3 = 0	0	30

8.4.11	Average number of awards in inter – institute events/ intercollegiate fest/exhibition/ paper contests/design contests, etc. for students (1^{st}, 2^{nd}, 3^{rd} prices) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of students achieved in such contests}}{\text{Total number of students in the dept}} \times 100$ 10. 2018-19 11. 2019-20 12. 2020-21	$(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0		10
	Average weight scored ***Documentary evidences:*** *Certificates of achievement*		0	$(0/6) = 0$	10.0
		Total		70	370

39. Faculty contributions

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
9.3.1	(a) Percentage of full time teachers with Ph.D. Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{No. of teachers in the department registered for Ph. D.}}{\text{Total No. of teachers in the department having no Ph. D.}} \times 100$	$(0/1) \times 100 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *7. Copy of Ph.D. certificate*		0	0	20
	(b) Percentage of full time teachers registered for Ph.D. after appointment (during the last 3 years) Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{No. of teachers in the department awarded Ph. D.}}{\text{Total No. of teachers in the department registered for Ph. D.}} \times 100$	$(0/1) \times 100 = 0$	0	0	10
	Average weight scored ***Documentary evidences:*** *7. Copy of registration certificate (valid for five years from the date of registration)*		0	0	10
9.3.2.	Number of teachers awarded university/state/national/international fellowship (post-doctoral) for advancedstudies/research during the last 3 years International: 8 wt National : 6 wt State : 4 wt	$0 \times 8 = 0$	111		

	University : 2 wt 1. 2018-19 2. 2019-20 3. 2020-21	0×6 = 0 0×4 = 0 0×2 = 0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	20.0
9.3.3	Percentage of teachers recognized as research guides Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Total number of teachers recognized as research guides}}{\text{Total number of teachers with Ph. D.}} \times 100$	$(0/1) \times 100 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order*		0	0	20
9.6	Number of Ph.D.s awarded per teacher (as research guide) during the last 3 years Weightage distribution: 19. 3 Ph.D.s awarded per teacher : 20 wt 20. 2 Ph.D.s awarded per teacher : 15 wt 21. 1 Ph.D. awarded per teacher : 10 wt $\frac{\text{Total number of Ph. D. degrees awarded during last 3 years}}{\text{Total number of teachers as recognized guides}}$	$0/0) = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of university order of award of Ph.D. degree*		0	0	20
9.7	Average percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, virtual lab etc. Weightage distribution: 75% - 100% : 10 wt 50% - 74% : 8 wt				

	25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers in the department using ICT}}{\text{Total number of teachers in the department}} \times 100$	$(0/1) \times 100 = 0$	0		10
	Average weight scored ***Documentary evidences:*** *13. List of teachers* *14. ICT resources prepared by each teacher in CD format/uploaded in the College website*		0	0	10
9.8	Faculty as participants/ resource persons in faculty professional development/ training Activities/ seminars/ workshops/ symposia/ conferences (national & international) International: 19. No. of faculties >10 : 10 wt 20. No. of faculties 5-10 : 5 wt 21. No. of faculties 1-5 : 2 wt National: 19. No. of faculties >10 : 5 wt 20. No. of faculties 5-10 : 3 wt 21. No. of faculties 1-5 : 1 wt	0 0	0 0		10
	Average weight scored ***Documentary evidences:*** *13. List of teachers* *14. Certificates of participation*		0	0	10.0
9.10.1	Number of research papers per teacher in the Journals notified on UGC website during the last 3 years Weightage distribution: 25. > 5 papers per teacher : 20 wt 26. 3-4 papers per teacher : 15 wt 27. 2 papers per teacher : 10 wt 28. 1 paper per teacher : 5 wt $\frac{\text{Total number of publications in the last 3 years}}{\text{Total number of teachers who published}}$	$0/0) = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of the papers*		0	0	20
9.10.2	Number of books and chapters in edited volumes / books published (ISSN), and papers in national/international conference-proceedings (ISSN) per teacher during the last 5 years				

	Weightage distribution: 19. 20 wt per book 20. 10 wt per book chapter 21. 4 wt per papers in national/ international conference - proceedings	$20 \times 0 = 0$ $10 \times 0 = 0$ $4 \times 0 = 0$	0 0 0		20
	Average weight scored ***Documentary evidences:*** *Copy of the books and chapters in edited volumes / books published, and papers in national/international conference-proceedings*		0	0	20
9.10.3	Sum of the bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index Weightage distribution: 31. Citation index >10: 30 wt 32. Citation index 7.0-9.9 : 20 wt 33. Citation index 4.0-6.9 : 10 wt 34. Citation index 1.0-3.9 : 5 wt 35. Citation index 0.1-1 : 2 wt	0	0		30
	Average weight scored ***Documentary evidences:*** *Proof of citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index*		0	0	30
9.11.1	Number of Patents published/awarded Weightage distribution: 10 wt per patent	$0 \times 10 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of patent published/awarded*		0	0	20
9.12.1 & 9.12.3	Major Research projects sponsored by government sourcessuch as UGC, DST, DBT, KSCSTE, etc. and non-government sources such as industry, corporate houses, international bodies, endowments etc. (completed) Weightage distribution: 10 wt per MRP completed.	$10 \times 0 = 0$	0		20
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	20
9.12.2	Minor Research projects sponsored by government sourcessuch as UGC (Amount in Rupees) (Completed)				

	Weightage distribution: 5 wt per project completed	5 × 0 = 0	0		15
	Average weight scored ***Documentary evidences:*** *Copy of sanction letter/order*		0	0	15
9.12.4	Revenue generated from Consultancy Weightage distribution: 5 wt per consultancy	5 × 0 = 0	0		15
	Average weight scored ***Documentary evidences:*** *13. Copy of MoU* *14. Copy of bank account statements*		0	0	15
9.12.5	Revenue generated from corporate training by the department during the previous year Weightage distribution: 5 wt per training programme	5 × 0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of bank account statements*		0	0	10
9.13	Number of awards for innovation won by teachers Weightage distribution: 5 wt per award	5 × 0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of award certificates*		0	0	10
9.14	Faculty interaction with International Collaborations Weightage distribution: 10 wt per collaboration	10 × 0= 0	0		20
	Average weight scored ***Documentary evidences:*** *Copy of MoU*		0	0	20
9.15.1	Membership in academic bodies in Universities / other colleges Weightage distribution: 5 wt per membership	5 × 0 = 0	0		10
	Average weight scored ***Documentary evidences:*** *Copy of membership approval letter/email/order* 111		0	0	10

9.16	Reviewer/Editors of International and national journals/Books (ISSN) Weightage distribution: International: 13. 5 wt per editorship 14. 2 wt per reviewership National: 13. 3 wt per editorship 14. 1 wt per reviewership	 $5 \times 0 = 0$ $2 \times 0 = 0$ $0 \times 0 = 0$ $0 \times 0 = 0$	 0 0 0 0		10
	Average weight scored ***Documentary evidences:*** *Copy of invitation letter/email/order from the journal to become reviewer/editor*		0	0	10
9.17	Involvement of faculty in academic & administrative bodies / committees and corporate affairs of the institution such as Examinations, NCC, NSS, Clubs & Associations, Cooperative Society etc. for the last 5 years Average hours spent by each faculty: $(\frac{\text{Total hours spent by all the faculties in an year}}{\text{Total number of faculties}})$ 37. Greater than 200 hrs : 20 wt 38. 100 to 200 hrs : 15 wt 39. 50 to 100 hrs : 10 wt 40. 10 to 50 hrs : 5 wt 41. 1 to 10 hrs : 2 wt 42. 0 hrs : 0 wt	0	0		20
	Average weight scored ***Documentary evidences:*** *13. List of faculties involved* *14. Copy of relevant certificates/orders/other documents duly signed by the Principal*		0	0	20
9.18	Percentage of teachers participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last 5 years Weightage distribution: 75% - 100% : 10 wt				

	50% - 74% : 8 wt 25% - 49% : 6 wt 1% - 24% : 4 wt $\frac{\text{Number of teachers participating in such activities}}{\text{Total number of teachers}} \times 100$	$(0/1) \times 100 = 0$	0		10
	Average weight scored ***Documentary evidences:*** *Copy of relevant certificates/orders/other documents duly signed by the Principal*		0	0	10
		Total		0	340

40. Academic Support Units and Teaching-Learning-Evaluation Process

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
10.1.1.	Ratio of mentor to students for academic and stress related issues 111 (Weightage distribution:				

	75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of mentors}}{\text{Total number of teachers in the department}} \times 100$	$(1/1) \times 100 = 100$	20		20
	Average weight scored ***Documentary evidences:*** *13. List of students under each mentor* 14. *Documentary evidences on mentor:mentee interactions*		20	20	20
10.1.2	Indicate whether the department has an effective student grievance addressing system or not. 13. Yes – 10 wt 14. No – 0 wt	Yes	10		10
	Average weight scored ***Documentary evidences:*** *13. List of students registered complaints* *14. Copies of action taken reports*		10	10	10
10.2.1	Tutorial classes to address student questions Average no. of tutorial classes conducted per teacher in an year: 31. 16 – 20 classes : 10 wt 32. 11 – 15 classes : 8 wt 33. 6 – 10 classes : 6 wt 34. 3 – 5 classes : 4 wt 35. 1 – 2 classes : 2 wt $\frac{\text{Total number of tutorial classes conducted}}{\text{Total number of teachers conducted tutorial classe}}$	0	0		10
	Average weight scored ***Documentary evidences:*** *7. Attendance register of students*		0	0	10
10.2.6	Describe the number of capability enhancement and development programmes Weightage distribution: 2 wt per programme 111	$2 \times 7 = 14$	14		10

	Average weight scored ***Documentary evidences:*** *13. Brochures of the programmes* *14. Attendance register of students*		14	10	10
10.2.6.3	Average percentage of students participated for competitive examinations and career counseling offered by the department/college during the last 3 years (e.g. feel employable programme) Weightage distribution: 75% - 100% : 20 wt 50% - 74% : 15 wt 25% - 49% : 10 wt 1% - 24% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0		20
	Average weight scored ***Documentary evidences:*** *13. Brochures of the programmes* *14. Attendance register of students*		(0/3) = 0	0	20
10.2.9	Does the department have a system to check malpractices and plagiarism 13. Yes – 10 wt 14. No – 0 wt	No	0		10
	Average weight scored ***Documentary evidences:*** *13. Web-link of the plagiarism detection software* *14. Action taken report*		0	0	10
		Total		40	80

12.Events in Departments

Metric No.			Weight	Cumulative Weight (Scored)	Cumulative Weight (Maximum)
12.1.1	Average number of national/international seminars / workshops / symposiums / conferences (minimum 2 days) with publication of proceedings conducted by the department during the last 3 years Weightage distribution: International: 13. 2 – 4 programmes: 20 wt 14. 1 – 2 programmes: 10 wt National: 13. 2 – 4 programmes: 10 wt 14. 1 – 2 programmes: 5 wt 1. 2018-19 2. 2019-20 3. 2020-21	 0 0 0	 0 0 0		20
	Average weight scored ***Documentary evidences:*** *25. Brochure of the programme* *26. Photos of the programmes* *27. Reports of the programme* *28. Copy of publication of proceedings*		0	0/3 = 0	20
12.1.2	Number of Summer school programmes (minimum 30 hours) conducted by the department during the last 3 years Weightage distribution: 10 wt per summer school programme	$10 \times 0 = 0$			10

	Average weight scored ***Documentary evidences:*** *19. Brochure of the programme* *20. Photos of the programme* *21. Reports of the programme*		0	0	10
12.1.3	Average number of awards for innovation won by department during the last 3 years Weightage distribution: 5 wt per award	5 × 0 = 0			10
	Average weight scored ***Documentary evidences:*** *Copy of award certificate*		0	0	10
12.1.4	Average number of academicians visited for talks or lectures Weightage distribution: 2 wt per programme	2 × 0 = 0			10
	Average weight scored ***Documentary evidences:*** *19. Brochure of the programme* *20. Photos of the programme* *21. Reports of the programme*		0	0	10
12.2.1	Number of Collaborative activities for research, faculty exchange,student exchange during the last 5 years (other than faculty collaborations) Weightage distribution: 10 wt per collaboration	10 × 0 = 0			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such programmes*		0	0	20
12.2.2	Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last 3 years Weightage distribution: 5 wt per MoU	5 × 0 = 0			10
	Average weight scored ***Documentary evidences:*** *Copy of MoU's outlining such linkage programmes*		0	10	10
12.2.3	Number of functional MoUs with				

	institutions of national, international importance, other universities, industries, corporate houses etc. during the last 5 years (only functional MoUs with ongoing activities to be considered Weightage distribution: 5 wt per MoU	$5 \times 0 = 0$			20
	Average weight scored ***Documentary evidences:*** *Copy of MoU's*		0	0	20
12.3.1	Percentage of students benefited by scholarships, endowments and freeships provided by the Stakeholders of the department (besides government, department scholarships) during the last 3 years (Weightage distribution: 30% - 40% : 20 wt 20% - 29% : 15 wt 10% - 19% : 10 wt 1% - 9% : 5 wt $\frac{\text{Number of students benefited}}{\text{Total number of students}} \times 100$ 1. 2018-19 2. 2019-20 3. 2020-21	$(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$ $(0/0) \times 100 = 0$	0 0 0		20
	Average weight scored ***Documentary evidences:*** *Agreement of the Scheme with the Stakeholders*		$(0/3) = 0$	0	20
12.4	Fund generated by the department (e.g. SARD scheme of KSCSTE) Weightage distribution: 10 wt per project	$10 \times = 0$			20
	Average weight scored ***Documentary evidences:*** *19. Sanction/concurrence letters/orders* *20. Bank account statements* *21. Cash Register*		0	0	20
12.5	Total number of employability training programmes conducted by the department during the last 5 years and the total number of students attended the				

	programme Weightage distribution: 5 wt per programme	5 × 0 = 0			10
	Average weight scored ***Documentary evidences:*** *13. Brochures* *14. List of students programmewise*		0	0	10
12.6	Total number of capacity enhancement schemes/ training programmes attended by the teachers at other institutes Weightage distribution: 2 wt per programme	2 ×0 = 0			10
	Average weight scored ***Documentary evidences:*** *Copy of participation certificates*		0	0	10
12.7	Details of extension activities of regular nature organized by the department in adopted villages Weightage distribution: 5 wt per programme	5 × 0 = 0			20
	Average weight scored ***Documentary evidences:*** *19. Brochures of the programme* *20. Photos of the programme* *21. Reports of the programme*		0	0	20
12.8	Details of activities organized by the department to promote universal values Weightage distribution: 2 wt per programme	2 ×0 = 0			10
	Average weight scored ***Documentary evidences:*** *19. Brochures of the programme* *20. Photos of the programme* *21. Reports of the programme*		0	0	10
12.9	Total number of cultural activities/ competitions organized by the department during the last 3 years Weightage distribution: 2 wt per activity	2 ×0 = 0			10
	Average weight scored ***Documentary evidences:*** *19. Brochures of the programme* *20. Photos of the programme* *21. Reports of the programme*		0	0	10

12.10	Alumni contribution during the last 5 years (Amount in Rupees) Amount: 43. > 5 Lakhs : 20 wt 44. 1-5 Lakhs : 10 wt 45. 0.5 – <1 Lakh : 5 wt 46. < 0.5 Lakhs : 1 wt	Rs. 0.00	0	0	30
	Average weight scored ***Documentary evidences:*** *19. Copy of cheques, DD's etc. obtained from Alumni* *20. Bank account statements* *21. Cash register*		0	0	30
		Total		0	230

Feedback

10.2.3	Feedback received from: 1) Students – 3 wt 2) Teachers – 3 wt 3) Employers – 3 wt 4) Alumni – 3 wt 5) Parents – 3 wt for design and review of syllabus - Semester wise /year wise.	0 0 0 0 0	0		15
	Average weight scored ***Documentary evidences:*** *13. Feedback reports* *14. List of corrective measures taken*		0	0	15
		Total		0	15

Qualitative Matrices:

Part – C

47. Vision, Mission and Programme Outcomes

48. Programme Specific Outcomes with global relevance for developmental needs

49. Programme Curriculum

49.1. Curriculum

49.2. ..... Components of Curriculum and their relevance to PSOs and POs

49.3. Core subjects and their relevance to Program outcomes

49.4. Course Syllabus

49.5. ..... Measures and processes used to identify the curricular gaps to the attainment of the COs/PSOswith global relevance for developmental needs.

49.6. ..... Vertical mobility of programmes

49.7. content beyond syllabus imparted for the attainment of the COs/PSOs

9. Faculty Contributions

9.4. Faculty competencies in correlation to Programme Specific Criteria

9.5. Academic Calendar and Teaching plans

41. Continuous improvements

11.43. Improvement in Success Index of Students

11.44. Improvement in Academic Performance Index of Students

11.45. Improvement in Student-Teacher Ratio

11.46. Enhancement of Faculty Qualification Index

11.47. Improvement in Faculty Research Publications, R&D Work and Consultancy Work

11.48. Continuing Education

11.49. New Facility Created

13. SWOT analysis

14. Student Perception

15. Any other relevant points included by the peer team

Score Calculation:

Maximum total weight of Qn. Matrices = 1125 (75% of the maximum total weight)
Maximum total weight of Ql. Matrices = 375 (25% of the maximum total weight)
Maximum total weight = 1125 + 375 = 1500
Maximum CGPA = 4.0
Scored weight of Qn. Matrices = 110
Scored weight of Ql. Matrices = xxx
Scored total weight = Scored weight of Qn. Matrices + Scored weight of Qn. Matrices
= 110 + xxx
= yyy

$$\text{Obtained CGPA} = \left(\frac{yyy}{1500}\right) \times 4$$

111

$$= \left(\frac{\text{yyy}}{1500}\right) \times 4$$

Obtained CGPA $=$ zzz

Range of Departmental Cumulative Grade Point Average (CGPA)	Grade
3.51 – 4.00	A++
3.26 – 3.50	A+
3.01 – 3.25	A
2.76 – 3.00	B++
2.51 – 2.75	B+
2.01 – 2.50	B
1.51 – 2.00	C
≤ 1.50	D