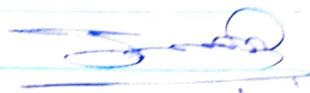


Minutes of the meeting of: Board of Studies (Biotechnology), CMS College (Autonomous), Kottayam held at 8:30 AM on 04 Jan. 2017 at Seminar hall, Department of Biotechnology.

Members Present:-

1. Dr. Joseph P. Varghese (Chairman)
2. Dr. Jayachandran K., SBS, MGU
3. Dr. Snija Mariam Kurian



Also Present

Dr. Jinu John, Secretary, BOS, Assistant Professor, Department of Biotechnology, CMS College, Kottayam

The meeting started with the welcome speech by Dr. Jinu John, Secretary, BOS, followed by the presidential address by Prof Dr. Joseph P Varghese, Chairman, BOS, Biotechnology

In the presidential address the chairman narrated the agenda of the meeting. Then there was general discussion on curriculum revision.

Dr. Jayachandran K., Associate Professor, SBS, MG University, Subject expert, BOS elaborated the objectives of the curriculum and need of improvisation in the exiting curriculum.

The meeting adopts the following resolutions:

Agenda 1: Revision of the existing Curriculum of UG & PG Biotechnology program

Resolution: The existing syllabi are sufficient to cater to the needs of students for building up their careers in industry and research. However, with the changing scenario, we feel that the syllabus orientation should be altered to keep pace with developments in the education and industrial sector. Thus some minor changes/improvements are necessary.

Agenda 2: Changes to be considered in the curriculum revision

Resolution:

M.Sc. Biotechnology

- Being an interdisciplinary course and students belongs to other streams joins for the M.Sc. Biotechnology course; the improvised syllabus must be prepared by considering these students by including the fundamental aspects of Chemistry, Physics and Biosciences. Each paper should start with a brief introduction to the subject rather starting with hard core topics
- Dr. Jayachandaran K., mentioned the importance of introducing a bridge course of two weeks duration to provide the necessary basic knowledge of all science subjects before entering into the actual syllabus.
- Dr. Joseph P Varghese pointed out the importance of including the genomics of any one of organisms in the syllabus.
- Dr. Jinu John suggested the importance of including basic details of research methodology along with the Bioinformatics and Biostatistics paper.
- Repeating topics in the same semester or in coming semesters should be replaced with recent updates or new topics

- The subject combination of two papers in the First semester need to be changed as BTPG 03- Biophysics and Instrumentation & BTPG 04 - Bioinformatics and Biostatistics.
- Developmental Biology has to be included as an elective paper in the fourth semester instead of Environmental Sciences as it is almost repetition of the previous semester and moreover Developmental Biology is included nowhere in the syllabus. Thus it will be helpful to the students in appearing competitive exams.
- List of practicals should be updated and infrastructure lab facility should be upgraded to carry out the listed practicals
- Mentioned reference books should be made available to the students

B.Sc. Botany & Biotechnology (Double Main)

- At first year of under-graduation, the syllabus should include basic information such as – fundamentals of chemistry, physics, plant and animal sciences, microbiology, computer, statistics and mathematics.
- Relevant experimentation on these topics are to be included in practical course which include study of all forms of life, plants, animals and microorganisms for their morphological and structural characterization.
- The order of the papers must be restructured so as to reduce the complexity and overburden of the two core courses to the students and easiness to carry out the theory and practical classes.
- Biotechnology papers should include an introduction to recent advances and developments in the field.
- The content of some units in the syllabus must be restructured/ ordered so as to maintain a flow or teaching/learning interest.

Agenda 3 Further suggestion for the improvisation of the curriculum

Resolution:

Resolved that the revised syllabus for UG and PG programs in Biotechnology is approved .

The curriculum may include training programs and coaching classes for competitive exams such as CSIR/UGC NET/DBT, GRE, TIFR etc. The Department in association with the other departments of the college may organize a CSIR orientation programme for life science students.



Dr. Jnu John

(Secretary- BOS, Biotechnology)

Read, Confirmed and Signed by



Prof. Joseph P Varghese

(Chairman BOS, Biotechnology)