









Minutes of the (BOS 2018 4<sup>th</sup>) meeting of Board of Studies in Physics of CMS College Kottayam (Autonomous) held at 10 am on 22<sup>nd</sup> March, 2018 in the Staff Room of Department of Physics.

Members present

1. Dr. P. Rajagopal, Chairman 
2. C. Sudaranakumar Member 
3. Sreedathu. K S Member 
4. Dr. Pragasu. R Member 
5. Dr. P. Naja S. John Member 
6. Dr. Ravikumar C Member 
7. Dr. Arun Kumar KV Member 
8. Dr. Seema R Member 

Also present Dr. Preema C. Thomas, Member Secretary, Board of Studies, Physics.

Apology of absence – Mr. Preman D. Ninan, Country Manager, Molex Pvt. Ltd, Sadaramangala, Bangalore-67.

Dr. P. Rajagopal, the Chairman welcomed the members and in his introductory remarks he appreciated the members for their active participation in the curriculum revision process.

After discussion the following resolutions were taken.

#### **Core 4: Semiconductor Physics for semester 4 Program.**

No changes are incorporated with the syllabus as it is found to be at par with the syllabi of national/international standards for bachelor's degree.

#### **Core 5: Electricity and Electrodynamics for semester 5 Program.**

This course was interchanged with the Thermal and Statistical Mechanics of the VI semester. This was done for the convenience of students. As they are studying statistics for their complementary in the first four semesters, the students will find it easier if they have this course in their V semester. **Hence Core 5 Course is Thermal and Statistical Mechanics**

The syllabus of Thermal and Statistical Mechanics was changed in accordance with the text book "Thermodynamics and Statistical Physics" by Brijlal, N. Subramanyam and P.S. Hemne.

#### **Core 6: Classical and Quantum for semester 5 Program.**

Module II was split up in to two by including a few topics from the prescribed text Modern Physics by R Murugesan. These topics deal with the fundamental concepts of Quantum Mechanics.

#### **Core 7: Digital Electronics and Programming for semester 5 Program.**

No changes are incorporated with the syllabus as it is found to be at par with the syllabi of national/international standards for bachelor's degree.

#### **Core 8: Environmental Physics and Human Rights for semester 5 Program.**

Appropriate changes are brought about in module III and IV

#### **Open Course –Our Universe for semester 5 Program.**

Out of the three open courses suggested, we have opted for the course "Our Universe"

Since the students attending this course are from different streams, including arts, one of the tough topics 'Newtonian and Cassegrain telescopes' has been removed.

#### **Core 9: Thermal and Statistical Mechanics for semester 6 Program.**

This course was interchanged with 'Electricity and Electrodynamics' of semester V

No changes are incorporated with the syllabus as it is found to be at par with the syllabi of national/international standards for bachelor's degree. **Hence Core 9 Course is Electricity and Electrodynamics.**

#### **Core 10: Relativity and Spectroscopy for semester 6 Program.**

No changes are incorporated with the syllabus as it is found to be at par with the syllabi of national/international standards for bachelor's degree.

**Agenda Item No. 2 PG Curriculum**

**M.Sc. Pure Physics**


It was decided to follow the existing syllabus of M.G. University without any change in the 16 theory papers and 4 practical papers.

**M.Sc. Applied Physics**


It was decided to follow the existing syllabus of M.G. University without any change in the 16 theory papers and 4 practical papers.

**Agenda Item No.3 Other matters arising from the floor**

NIL

  
Dr. Preema C. Thomas  
(Member Secretary)

(Read and confirmed)

  
Dr. P. Rajagopal  
(Chairman)

Kottayam  
22.03.2018