

# **Minutes of the Board of Studies in Physics 2018-2019**

SACRED HEART COLLEGE KOCHI

## MINUTES ON BOARD OF STUDIES MEETING

HELD ON JUNE 29, 2018 AT 02:00 PM

A meeting was held at the Department of Physics, SH College, Thevara by the members of BOS on June 29, 2018 at 02:00 pm and the following members attended the same.

1. Prof. (Dr.) Pramod Gopinath
2. Dr. Gnan V. Vanchipurackal
3. Prof. V. M. George (HOD PHYSICS)
4. Dr. Siby Mathew
5. Prof. Alex Shiju Scaria
6. Dr. Roby Cheriau
7. Dr. Jimmy Sebastian
8. Dr. Sumud S G
9. Dr. Mathew George
10. Dr. Pius Augustine
11. Dr. Georgekutty Joseph
12. Prof. Malin Abraham

*[Handwritten signatures and initials corresponding to the list members]*

The main agenda was to revise the existing UG syllabus. A detailed discussion by analysing each of the papers were has been carried out. The main conclusions are given below.

- (1) 1<sup>st</sup> sem physics paper(s) has been modified with new topics with some problem oriented approach. New syllabus ~~introduced~~ suggested by Dr. Jimmy Sebastian has been thoroughly discussed and accepted after slight modification.

(2) Reference/Text books have been modified, as suggested by the BBS members

(3) 'Mercury' has been removed from the experiments. Instead 'Boyle's method' was suggested

(4) For the choice-based course, 'Computational Physics' was chosen. Additional paper of 'Material Science' was also decided to be selected, included. The new open course is "Physics in daily life".

(5) Thus on

The meeting came to an end at 04:30 pm.

*Sumod*

Dr. Sumod S.G

(Secretary)

(5) Existing name of paper-8 "Environmental Physics and Human Rights" in Semester 5 changes to Energy and Environmental Physics by replacing module-5 of 8 hrs duration consisting of Human Rights topics by including "Environmental Impact Assessment (EIA) and "An Introduction to Energy Audit."

(6) Other topics remain the same as MA University topics, and total credits for the programme is 180.

*George*  
Prof. V.M. George  
15-03-2019  
(Chairman)

Physics on 15<sup>th</sup> March 2019, at 11.00 am  
common address by the Principal. Following members  
attended the meeting.

1. Prof. (Dr.) Pramod Gopinath
2. Dr. Anieta Philip K.
3. Dr. Lson V Manchipurackal
4. Prof. V. M. George, (HoD PHYSICS & Chairman) - Lyedra
5. Dr. Siby Mathen
6. Prof. Alex Shino Scaria
7. Dr. Roby Cherian
8. Dr. Jimmy Sebastian
9. Dr. Sumud SG (secretary)
10. Dr. Mathew George
11. Dr. Pius Augustine
12. Prof. Malini Abraham
13. Dr. Pinky A.

The main agenda was to make a comparative analysis of UG syllabus of present university and S.H.C. HoD presented the feedback from previous UG batch students and those were discussed in detail. The new UG syllabus implementation plan was thoroughly discussed and need for Add-on courses were pointed out. PG syllabus review, Question paper pattern etc. were also discussed. Important conclusions are given below.

#### Evaluation

(i) ~~Separate~~ ~~Feedback~~ must be taken for course and Faculty separately, from the students.

(ii) Following Add-on courses were suggested and the

Concerned Faculty members were assigned for framing the 30-hr Syllabus for the Courses:

- a. Electronics and Electrical Equipment Maintenance - Prof. Alex
- b. Robotics - An Introduction - Dr. Siby Mathew
- c. Fundamentals of Programming - Dr. Ruby Cherian
- d. Problem Solving in Physics and CBPT - Dr. Jimmy Sebastian
- e. Skill-Oriented Course on Wiring and Plumbing - Dr. Pius Augustine
- f. Introduction to Radio Astronomy - Dr. Mathew George
- g. Introduction to Space Physics - Dr. Sumud SG

(iii) For the PG Syllabus revision, the Faculty members were asked to frame the Syllabus and it was decided to be implemented from 2020 onwards. In addition, the following Elective Courses were also included from the contribution from following Faculty members:

Elective course 2: Science and Technology for All materials  
- Dr. Pius Augustine

Elective course 2: Space physics and Atmospheric Sciences  
- Dr. Sumud SG.

(iv) A draft version of the <sup>minutes of</sup> BOS meeting can be sent to individual members of BOS through g-mail.

The meeting came to an end at 02:30 pm.

~~Jan~~  
Dr. Sumud SG  
(Secretary, BOS)

Prof. V. M. George  
(Chairman, BOS)