

## Department of Physics, Loyola College

### Minutes of the Board of studies meeting held on 27/09/2018

The BOS meeting of Department of Physics started with a silent prayer. The following matters were discussed:

#### 1. Result analysis of April 2018 Semester Exam

The results of April 2018 Semester Exam was analyzed in detail. In papers like Quantum Mechanics (PG), Mechanics (UG) and Allied papers, the pass percentage was low. Staff members shared that the basics of Mathematics were not properly taught to the Undergraduate students in an effective way in other Colleges and other Universities. This has pulled down the pass percentage in Quantum mechanics I (PG paper). Hence it has been decided in the meeting that the Teachers handling Mathematics based papers like Quantum Mechanics, Mathematical Physics and Mechanics will conduct Bridge Courses for academically weaker students and also conduct the remedial classes periodically. The Course Teachers can prepare structured study materials and come out with e-books to assist the weaker students. The student representatives shared that Quantum Mechanics paper is difficult for them as the basics of Quantum Mechanics were not covered in their UG Syllabus in some of the Universities and that is the reason students are finding it difficult to cope up with the standard of Loyola. College Nominee, Dr. Lakshmi Narayanan recommended that a few text books like **Quantum Mechanics authored by Mathews and Venkatesan** should be included as the main book for study. Additional classes can be conducted by experts who are well versed in these subjects.

#### 2. Restructuring of M.Phil. program

The syllabi for M.Phil Physics were presented and it was passed with the approval of the members with the following suggestions that the reference books like **Classical Mechanics by Goldstein** and **Quantum mechanics by Griffith** must be included as the books for study for **Paper II Advanced Physics**.

All the research supervisors of Physics Department felt the need to have Paper III (Elective Paper offered by Project Guide) in the Second Semester as in the current system. If this Paper is offered in the First Semester it will be too heavy for the students. Hence, the Department recommends the current system of offering Project related Paper in the Second Semester otherwise if the students are left out with only the project work in the second semester,

they may not turn up and will not do their project properly, and monitoring the attendance will be difficult.

It was decided in the meeting that individual Guides or group of Guides can come out with more **“specialization papers”** related to the project work and it can be passed in the next BOS meeting. Management staff members who are eligible to apply for M.Phil and Ph.D guidance are strongly recommended to apply for guide ship immediately. HOD appealed to the staff members to upgrade their teaching skills to reach out the students in an effective way and improve their academic performance.

### **3. Any other matter**

Students have raised an issue about the limited availability of **“General experiments”** in M.Sc. Physics Laboratory program. HOD informed the gathering that the same view was expressed by members of the **academic audit committee** that in Loyola there are many **Electronics** experiments for M.Sc. Physics Laboratory program but there are only limited number of general experiments involving spectroscopy, dielectric measurement, optical studies and magnetic studies. HOD informed that the matter will be addressed to the Loyola College Management to rectify this problem.

Finally HOD thanked all the members who attended the Board of Studies meeting and the meeting came to an end at 12:30 pm.

Enclosures:

- 1) Restructured Syllabus of M.Phil Physics.
- 2) Attendance sheet of the members attended the BOS.

Department of Physics, Loyola College (Autonomous), Chennai-34.

The following members were present for the meeting of the Board of Studies held on 27<sup>th</sup> SEPTEMBER, 2018 at 10.30 AM.

Sl.No.	Staff Name	Signature
1	Dr. G. Anbalagan (Univ. Nominee)	
2	Dr. T. S. Natarajan ( College Nominee)	
3	Dr. N. Lakshminarayan (College Nominee)	
4	Mr. Arockiasamy (Industry Representative)	
5	Dr. S. Selvakumar (Alumni)	
6	Ms. Joselene Suzan Jennifer. P (PG Student Rep.)	
7	Mr. Sanjay Yasodish. B.S (UG Student Rep. Shift I)	
8	Mr. T Gunalan (UG Student Rep. Shift II)	
9	Dr. P. Sagayaraaj (HOD) and Chairman	
10	Dr. S. Jerome Das (UG Professor)	
11	Dr. S. Pauline	
12	Dr. V. Joseph	
13	Dr. J. Madhavan	
14	Dr. J. Merline Shyla	
15	Dr. J. Mary Linet	
16	Dr. N.S. Nirmala Jothi	
17	Ms. G. Sreekumari	
18	Dr. M. Victor Antony Raj	
19	Mr. J. Arul Martin Mani	
20	Dr. S. Arulmozhi	
21	Dr. T. Arokiya Mary	
22	Ms. M. Mercina	
23	Dr. J.P. Angelena (Coordinator)	
24	Mr. C. Joseph Prabagar	
25	Mr. B. Shanmugapriyan	
26	<del>Dr. P. Dennis Christy</del> Dr. S. Antony Jyobard	
27	Dr. A. Stanley Raj	
28	Dr. S. Pratap	
29	Dr. M. Chrisphin Karthick	

30. Mr. K.R.S. Gurusamy

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