

# FATIMA MATA NATIONAL COLLEGE

AUTONOMOUS

(Reaccredited with 'A' Grade by NAAC)  
Affiliated to University of Kerala

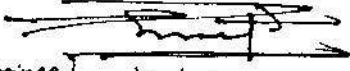


DEPARTMENT OF PHYSICS  
BOARD OF STUDIES MEETING  
HELD ON 21-02-2015

**IQAC** INTERNAL QUALITY  
ASSURANCE CELL

Minutes of the Board of studies meeting of Physics, held on 21/2/2015. The meeting started at 10. am in the research room.

The following members were present

- |   |   |
|---|---|
| 1) Dr. K. G. Gopchandran                  |  |
| (University Nominee)                      | Kochu   |
| 2) Kochutheresia T.C                      |   |
| 3) Dr. Hema Tresa Varghese (Assoc. Prof.) | Hema  |
| 4) 3) Sheena Mary Y.                      | Sheena  |
| 5) 4) Binidhu christopher                 | Binidhu   |
| 6) 5) Ignatious J.                        | Ignatious   |
| 7) 6) Sunil. A                            | Sunil   |
| 8) 7) Ratheesh Kumar R                    | Ratheesh  |
| 9) 8) P.J. Jojo                           | P.J. Jojo   |
| 10) 9) Vimale. V                          | Vimale  |

Minutes of the Board of Studies in Physics held on 21/02/2015

Meeting of the board of Studies in physics (UGSDU) held on 21/02/2015 in physics research lab. The meeting started at 10 AM. The following members were present:

1. Prof. T.C. Kochutheresia (HOD)
2. Prof. Gopchandran (University Nominee)
3. Dr. Hema Tresa Varghese
4. Mrs. Vimale. V
5. Dr. P.J. Jojo
6. Mr. Ratheesh kumar. R
7. Mrs. Sheena Mary Y.
8. Mr. Ignatious. J
9. Mr. Sunil. A
10. Mrs. Binidhu christopher.

As the 1st item in the agenda of the meeting, the list of examiners were prepared for the UO and PO examinations. The following names were suggested:

### For undergraduate examinations:

1. Dr. Nighan Thomas, HOD of Physics, SV college for women, Kollam.
2. Mr. Baiju V. Assistant Professor of Physics, SV college Kollam
3. Ms. Veera. VS, Assistant Professor of Physics, SVWC, Kollam.
4. Mr. Sanjogh Kumar S. HOD of Physics, nove. college, Chavara.
5. Ms. Kani K Pillai, Asst. Prof. of Physics, Nss college, Nilamel.
6. Mr. Abhigyan Kumar. Asst. Prof. of Physics, University college, Trm.
7. Dr. Grijja Nair, HOD of Physics, MMS college, Kottigam.
8. Ms. Kavitha. S V, Asst. Prof. of Physics, MMS college Kottigam.

### For postgraduate examinations:

1. Dr. Yohananan Panicker; Associate Prof. of Physics, TMCAS, Kotticode.
2. Prof. E.V. Wilson; Former HOD; Dept. of Physics, TMC college, Kollam.
3. Dr. Felix Pereira, Former Vice Principal, St. Xavier's College, Thumba.
4. Mrs. Shankar S.; Asst. Prof. of Physics, SV college, Ponatur.
5. Dr. Kenju R. Krishnan, Asst. Prof. of Physics, St. Xavier's College, Thumba.
6. Dr. Rajina, Asst. Prof. of Physics, MSM college, Kayamkulam.
7. Dr. Achamma George; Associate Prof. of Physics, St. Stephens College, Pathanampanam.
8. Dr. Samuel Mathew; Associate Prof. of Physics; St. Northona College, Tiruvalla.
9. Dr. N.V. Doghy; Associate Prof. of Physics; St Paul's College, Kalamassery.
10. Dr. S. D. Gyan. Associate Prof. of Physics, Bishop Moore college, Mavelikonda.

Following this the second item in the agenda, revision of syllabus was taken up. Each paper in the 3<sup>rd</sup> and 4<sup>th</sup> levels were discussed separately and modifications were suggested to make it a challenging syllabus. The following decisions were taken.

1. PY11A: The main paper of 3<sup>rd</sup> S, should include damped oscillations in units.
2. The research methodology paper, currently in the 5<sup>th</sup> semester must be brought to 2<sup>nd</sup> semester with modifications.

3. Paper PY1221 of Semester 2 should include research in India and history of Science in India. The title of paper PY1221 will be modified as Methodology in Physics.
4. Classical Mechanics portion, which is currently in paper PY1221 will be included in paper PY1541 in Semester V and the title of paper will be Classical and Relativistic Mechanics.
5. A thoroughly revised syllabus must be prepared for paper PY1542, Quantum Mechanics of Semester V.
6. Units 2 and 3 of paper PY1543, Electronics, should be revised and modified. Theory of white and blue LEDs should be included in this paper.
7. In paper PY1642, Nuclear and Particle Physics of Semester VI, certain portions in unit 2 may be starred.
8. Three level and four level Lasers and Laser applications in industry and medicine must be included in PY1643 classical and modern Optics, Semester VI.
9. Unit IV of the paper PY1644 Digital Electronics and Computer Science has to be revised.
10. A sub-committee of the following members were constituted to make the above changes in syllabus.
  1. Dr. Helena Freza Varghese.
  2. Mr. Kapreesh Kumar K.
  3. Mr. Sunil A.
11. Corrections and modifications in the Pm paper will be made by the respective teachers. Thorough revision should be done in the Spectroscopy paper.

12. Dr. Govindachandran suggested that in the mid-semester exams, 20% of objective questions should be included in accordance with the UGC-NET/JRF exams.

The meeting came to an end by 2.30 PM.

Prof. G. C. Kocherthoregia  
HOD, PHYSICS.