

Minutes of meeting BOS - Physics

04-05- 2017

The Board of studies meeting for the Physics is conducted on 04-05-2017 at 10:30 AM in the conference hall, Malla Reddy Engineering College (Autonomous), Hyderabad.

The following Members have attended the meeting.

S. No.	Name of the Member	Designation & Official Address	Designation in the Board
1	Dr. S. Sudhakara Reddy	Principal, MREC(A)	Special Invitee
2	Dr. V. Dhanunjana Chari	Assoc. Prof. Dean, I B.Tech Academics	Chairman- BOS
3	Prof. S.Chandralingam	Professor, JNTUH	University Nominee
4	Dr.S.Narender Reddy	Assoc. Professor, UCE,OU	Subject Expert
5	Dr. G.Venkataiah	Asst. Professor, HCU	Subject Expert
6	Dr.PSR Prasad	Scientist-F, NGRI	Industry Expert
7	Dr. T.Vijay Kumar	Asst. Professor, HOD	Member
8	Mr. Keshava Vamsi Krishna	Assoc. Professor	Member
9	Mr B V Ramana Reddy	Asst. Professor	Member
10	Mr.Ch.Dilip	Asst. Professor	Alumni

At the outset, Dr.T.Vijay Kumar, HOD of the Physics Dept., welcomed the members to the Board of Studies for the meeting. Dr.V.Dhanunjana Chari, Dean I.B.Tech academics and Chairman- Board of Studies presented the existing syllabus of MR15 regulations and also proposed modifications for MR17 regulations syllabus (Batches admitted from 2017-18 onwards) in the following subjects.

- i. Engineering Physics
- ii. Applied Physics

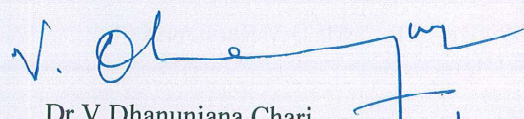
- iii. Physics of materials
- iv. Engineering Physics Lab
- v. Advanced Physics for Engineers as Open Elective-I
- vi. Nano Materials as Open Elective-II
- vii. Vacuum Technology and Non-Destructive Testing as Open Elective-III

The Board of studies Members has in detailed discussed, reviewed all the above syllabi. The following suggestions were made by the members of the Board of studies.

The following resolutions are made after careful discussion and observations in the BOS – for Physics:

1. Introduction to Solid state physics by C. Kittel was suggested as reference book for the Solid state physics related chapters.
2. Diamond, ZnS and NaCl structures are introduced in Crystal structures chapter in 'Engineering Physics' paper.
3. Postulates of Quantum mechanics, Schrodinger's time dependent wave equation and properties of wave function are introduced in Principles of Quantum mechanics.
4. Poynting theorem is appended in Electromagnetic theory chapter.
5. Barium titanate and applications of ferroelectric materials are introduced in Dielectric properties of materials chapter.
6. High T_c superconductors introduced in Supeconductivity chapter.
7. Advanced physics is renamed as 'Physics of materials'
8. Fiber optics is renamed as Fiber optic materials.
9. Fiber materials concept is introduced in Fiber optic materials.
10. LASER and Fiber optics by Ghatak and Tyagarajan was suggested as reference book for LASER and Fiber optic materials chapters.
11. Applied physics lab is renamed as Engineering Physics lab.
12. Suggested Newton's rings experiment as regular experiment.
13. Addition of Solar cell characteristics, LED Characteristics and LASER diode - V-I characteristics experiments is suggested.
14. The committee delegated power to the BoS Chairman for making any necessary changes.

Finally, Dr.V.Dhanunjana Chari, Chairman - Physics Board of Studies has expressed his sincere thanks to all the Members of the Board of studies for their active participation and contribution. The meeting concluded at 1:30 PM.


Dr.V.Dhanunjana Chari
4/5/12
Chairman, BOS – Physics