

Maisammaguda (V), Dhulapally (P)
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NARSIMHA REDDY ENGINEERING COLLEGE

UGC AUTONOMOUS

Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad
Accredited by NAAC with 'A' Grade & NBA, UGC 2(f) & 12(B)

DEPARTMENT OF PHYSICS Minutes of the 3rd BoS Meeting

The Board of Studies meeting of the Department of Physics was held on 20-09-2025 at 11.30 AM in Board Room, M.G. Block.

Members of the Board of Studies:

S.No	Name of the Member	Designation	Role
1.	Dr. P Venkat Rao	Professor, FME Department, Narsimha Reddy Engineering College (Autonomous)	Chairperson
University Nominee			
2.	Dr. K Vijaya Kumar	Professor & Coordinator, DUAAC, JNTUH	Member
External Subject Experts Nominated by Academic Council			
3.	Dr. R Balaji Rao	Professor, Department of Nano Science and Materials, Central University of Jammu, Jammu.	Member
4.	Dr. R V Sudheer Kumar	Associate Professor, Department of Physics, ANURAG University, Hyd	Member
Industry Representative			
5.	Mr. P V Subba Rao	R&D Manager, Devi Electronics, Hyderabad	Member
Department Senior Faculty Members			
6.	Prof. N Sai Kiranmai	Professor & HoD FME Department Narsimha Reddy Engineering College (Autonomous)	Member
7.	Dr. B Sambaiah	Associate Professor FME Department Narsimha Reddy Engineering College (Autonomous)	Member
8.	Dr. Ch Arun Kumar	Associate Professor FME Department Narsimha Reddy Engineering College (Autonomous)	Member
9.	Dr. Bilal Ahmed	Associate Professor FME Department Narsimha Reddy Engineering College (Autonomous)	Member



NRCM

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AGENDA:

1. Confirmation of the minutes of the 2nd BoS meeting.
2. Approval of the **syllabus** for B.Tech **NR25**.
3. Any other item with the permission of chair.

Dr. P Venkat Rao, Chairperson, Board of Studies welcomed all the members to the BoS meeting and briefed the agenda.

The members of the Board of Studies discussed the agenda item wise and resolved as per the details mentioned below.

Item 1: Confirmation of the minutes of the 2nd BoS meeting.

Resolution: Minutes of the 2nd BoS meeting were confirmed by the all members.

Item 2: Approval of the **syllabus** for B.Tech **NR25**.

The chairperson presented the syllabus of Advanced Engineering Physics, Advanced Engineering Physics Lab for First Year B.Tech NR25.

The following suggestions are posed by the respective members.

- Suggested to include Crystallography and Material Characterisation.
- Suggested to include course with recent developments in Quantum mechanics like Quantum Computing.
- Suggestions to include advanced applications of LASERs and Optical Fibers like Bar code scanner, LIDAR for autonomous vehicle, OFC- sensor for structural health monitoring.
- Suggestions to include advanced applications of Dielectric & Magnetic Materials like magnetic hyperthermia for cancer treatment, magnets for EV, Giant Magneto Resistance (GMR) device, Ferroelectric Random-Access Memory (Fe-RAM), load cell and fire sensor.
- Members emphasized on lab-based learning.

Resolution: The members are approved the same with the above suggestions/modifications for final Implementation.

The board of studies members reviewed the modified syllabus with their recommendations/suggestions being incorporated appropriately. However the above suggestions are made to ensure the overall competence of the students.

Finally, the members approved the same for final implementation.



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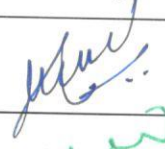
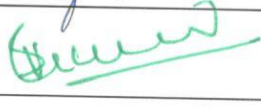
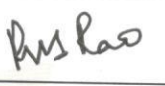
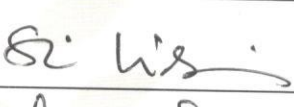
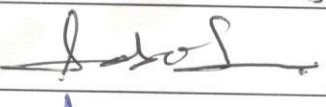
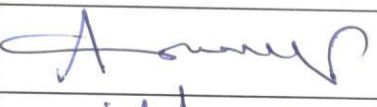
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The meeting concluded with vote of thanks by Dr. P Venkat Rao, Chairperson of Board of Studies.

Members Present:

S.No.	Name of the Member	Signature
1	Dr. P Venkat Rao	
2	Dr. K Vijaya Kumar	
3	Dr. R Balaji Rao	
4	Dr. R V Sudheer Kumar	
5	Mr. P V Subba Rao	
6	Prof. N Sai Kiranmai	
7	Dr. B Sambaiah	
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