

Maisammaguda (V), Dhulapally (P)
Near Kompally, Medchal (M), Secunderabad - 500 100.
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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)

16th Sep 2023

DEPARTMENT OF HUMANITIES & SCIENCES

PHYSICS BOS 2nd MEETING

I AGENDA

1. Approval of Syllabus for NR23
2. Any other point by the permission of Chair

II LIST OF BOS MEMBERS:

S.No	Name of the Member	Designation	Role of the BoS
1	Prof. N Sai Kiranmai	HOD, FME Dept.	Chairman
Subject Experts Nominated by the Academic Council			
2	Dr. R Balaji Rao	Professor, Department of Nano Science and Materials, Central University of Jammu, Jammu.	Member
3	Dr. R V Sudheer Kumar	Associate Professor, Department of Physics, ANURAG University, Hyd	Member
Department Faculty			
4	Dr. P Venkat Rao,	Professor	Member
5	Mr. T Manoj Kumar	Assistant Professor	Member
6	Mr. Venu Gopal	Assistant Professor	Member
7	Mr. Akhil Sai	Assistant Professor	Member
University Nominee			
8	Dr. K Vijaya Kumar	Professor & Coordinator, DUAAC, JNTUH	Member
Industry Representative			
9	Mr. P V Subba Rao,	R&D Manager, Devi Electronics, Hyderabad	Member

III Minutes of Meeting:

1. The meeting was held at the H&S Department, NRCM, on 16th Sep 2023 at 11.30 A.M.
2. The Chairman of BOS Committee has briefed about the rules and regulations stipulated by UGC and JNTUH, Hyderabad for Autonomous colleges after introducing all the members.
3. The committee emphasized the need for contemporary topics which can enhance the skills of students and insisted that the topics should connect with the students.



ESTD : 2007

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4. The Chairman of BOS presented the proposed Course Structure and Detailed syllabus of Applied Physics and Applied Physics laboratory to the board. The board suggested the following changes in the syllabus.
5. The following suggestions are considered and incorporated as per the **BOS member's recommendations:**

APPLIED PHYSICS:

UNIT-1:

- a) To add Matter Waves, de - Broglie Hypothesis, classical and quantum free electron theory qualitative analysis.
- b) To remove Symmetry in solids, free electron theory (Drude & Lorentz, Sommerfeld) - Fermi-Dirac distribution

UNIT-2:

- a) To deal with I-V characteristics of semiconductor devices only.

UNIT-3:

- a) To remove Energy materials topic completely.
- b) To add Langevin-Debye equation, **Magnetic Materials:** Basic definitions, Classification of magnetic materials, Domain theory.

UNIT-5:

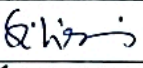
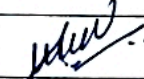
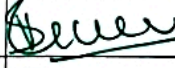
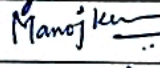
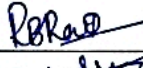
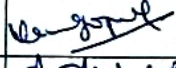
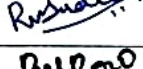
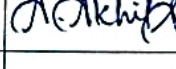
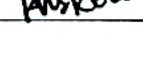
- a) To add population inversion topic in laser and to remove Argon ion laser from the same

IV Resolution:

The members of BOS after detailed discussion approved the syllabus of Applied Physics and Applied Physics Laboratory offered to various branches of B.Tech at I year level.

The meeting was concluded by Vote of thanks given by the Chairman of BOS Committee.

Members Present:

S.No	Name of Faculty	Signature	S.No	Name of Faculty	Signature
1	Prof. N Sai Kiranmai		6	Dr. P Venkat Rao	
2	Dr. K Vijaya Kumar		7	Mr. T Manoj Kumar	
3	Dr. R Balaji Rao		8	Mr. Venu Gopal	
4	Dr. R V Sudheer Kumar		9	Mr. Akhil Sai	
5	Mr. P V Subba Rao				



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