

Sy. No. 518, Maisammaguda (V), Dhulapally (P)  
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# NARSIMHA REDDY ENGINEERING COLLEGE

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

30<sup>th</sup> April, 2021

## DEPARTMENT OF HUMANITIES & SCIENCES

### PHYSICS BOS MEETING

#### I AGENDA

1. Approval of Academic Regulations for NR 20 and NR 21
2. Approval of Course structure for NR 20 and NR 21
3. Approval of Syllabus for NR 20 and NR 21
4. Composition of BOS - P H Y S I C S .
5. Any other point by the permission of Chair

#### II LIST OF MEMBERS ATTENDED

S.No	Name of Faculty	Designation	Responsibility
1	Dr. P.Sekhar Babu	Principal	Special Invitee
2	Prof. N Sai Kiranmai	Head of the Department	Chairman
3	Dr. K Vijaya Kumar	Professor & Coordinator, DUAAC, JNTUH, Hyderabad.	Member (JNTUH nominee)
4	Dr. R Balaji Rao	Professor & Head, Dept of Physics, GITAM University, Hyderabad.	Member (Subject expert)
5	Dr.R V Sudheer Kumar	Associate Professor, Dept of Physics, ANURAG University, Hyderabad.	Member (Subject expert)
6	Mr.P V Subba Rao	R & D Manager, Devi Electronics, Hyderabad.	Member (Industry)
7	Dr. P Venkat Rao	Professor	Member
8	Mrs.P Usha	Assistant Professor	Member

#### III Minutes of Meeting:

1. The meeting was held at the H&S Department, NRCM, on 30 April 2021 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.



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
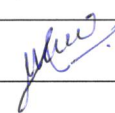
3. The committee emphasized the need for contemporary topics which can enhance the mathematical skills of students and insisted that the topics should connect with the students.
4. The Chairman of BOS presented the proposed Academic Regulations, Course Structure and Detailed syllabus to the board. The board approved the Academic Regulation, Course Structure for NR20, NR21 and suggested the following changes in the syllabus.
5. The following corrections are done as per the **BOS member's recommendations**:

### APPLIED PHYSICS:

- I). In Applied Physics course, topic **G-P Thomson Experiment** is included in Unit-1 by replacing **Heisenberg Uncertainty Principle**.
- II). In Applied Physics course, topic **Carrier Generation & Recombination** is removed from Unit-2 and added in Unit-3.
- III). In Applied Physics course, **CO<sub>2</sub> Laser** topic is removed from Unit-4.
- IV). In Applied Physics course, **Applications of Lasers & OFC** are specified clearly in Unit-4.
- V). In Applied Physics course, **Electromagnetism** topic is removed from Unit-5 and added **types of polarisation and hard, soft magnetic materials**.

### ENGINEERING PHYSICS:

- I). In Engineering Physics course, **Acoustics & Ultrasonics** topic is added by removing Unit-3 **Waves in one dimension**.
  - II). In Engineering Physics course, topic **Interference in thin films** is added in Unit-4 in place of **Michelson's interferometer, Mach-Zehnder interferometer**.
  - III). In Engineering Physics course, topic **Polarisation** is added in Unit-4
  - IV). In Engineering Physics course, **Applications of Lasers & OFC** are specified clearly in Unit-5.
6. The meeting was concluded by **Vote of thanks** given by the **Chairman of BOS Committee**.

S.No	Name of Faculty	Signature	S.No	Name of Faculty	Signature
1	Dr. P.Sekhar Babu		5	Dr.R V Sudheer Kumar	
2	Prof. N Sai Kiranmai		6	Mr.P V Subba Rao	
3	Dr. K Vijaya Kumar		7	Dr. P Venkat Rao	
4	Dr. R Balaji Rao		8	Mrs.P Usha	

Copy to:

Principal

BOS Members.

