



# LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

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Ref.No: LIET/ PHYSICS/BoS-3/MoM/2024/3

Date: 24<sup>th</sup> June 2024

## DEPARTMENT OF PHYSICS

### MINUTES OF THE BOARD OF STUDIES MEETING - 3

The Third Board of Studies meeting of the Department of Physics was held on 24/06/2024 at 11:00 AM in Offline mode, Dept of Physics, Lords Institute of Engineering and Technology(A) with the following members to discuss the given agenda.

#### Members Present:

#### Course: Engineering Physics( Theory & Lab)

S. No.	Name	Designation	Category	Signature
1.	Dr. V. Ravi Kumar	Professor & HoD, Department of Physics, LIET (A)	Chairperson	
<b>Nominees of Osmania University, Hyderabad</b>				
2.	Dr. D. Karuna Sagar	Sr.Professor & Chairperson-Board of Studies, Department of Physics, University College of Science, Osmania University, Hyderabad.	University Nominee	
<b>Experts / Academicians from Outside the Parent University nominated by Academic Council</b>				
3.	Dr. Dadamiah PMD Shaikh	Associate Professor and HoD, Dept. of Physics, Vardhaman College of Engineering,(A) Hyderabad	External Member (Subject Expert)	
4.	Dr.M. Sridhar	Professor and HoD, Department of Physics, Gokaraju Rangaraju Institute of Engineering and Technology (A), Bachupally, Hyderabad.	External Member (Subject Expert)	
<b>Representatives from R&amp;D / Industry / Corporate Sector / Allied areas relating to placements</b>				
5.	Mr.Hasan Zubair	Director, Cognizant Technologies, Hyderabad	Corporate Sector	
6.	Mr. Shaik Liyaqath	Project Manager - Planning & Execution Dept, Success HVAC Solutions. Hyderabad	Alumni	
<b>Faculty members from each specialization</b>				
7.	Mrs.SK Hussain Bee	Assistant. Professor, Dept. of Physics, LIET(A)	Internal Member	
8.	Dr. Mujeeb Hasan	Assistant Professor, Dept of Physics, LIET(A)	Internal Member	
9.	Mr. Md. Jahangir	Assistant Professor, Dept of Physics, LIET(A)	Internal Member	
10.	Mrs .Shireen Mahala	Assistant Professor, Dept of Physics, LIET(A)	Internal Member	
11.	Mr. S. Bhanu Prasad	Assistant Professor, Dept of Physics, LIET(A)	Internal Member	
12.	Mr. Aslam Shareef	Assistant Professor, Dept of Physics, LIET(A)	Internal Member	
13.	Ms. M. Shameem	Assistant Professor, Dept of Physics, LIET(A)	Internal Member	
14.	Ms.K.Ruchitha	Assistant Professor, Dept of Physics, LIET(A)	Internal Member	
15.	Dr. R. K. Singh	Professor, Principal,LIET(A)	Permanent Invitee	
16.	Dr. J. Sasi Kiran	Professor, CSE & Dean - P&E, LIET(A)	Special Invitee	



**AGENDA:**

- Discussion & Approval of Detailed Courses Syllabus of LR-24 B.E 1<sup>st</sup> Year  
Course Name: Engineering Physics ( Theory and Practical )
- Ratification of Question Paper Setters, Examiners & Evaluators of B.E
- Suggestions on Innovative Teaching Methodologies.
- Suggestions on Research, Extension and other Academic Activities.

**Permanent Invitees:** Dr. Ravi Kishore Singh , Principal, LIET

Dr. J. Sasi Kiran, Dean Ist Year, LIET

**Item No. 1:** Introduction of BoS Members to the faculty and vice versa.

**Deliberations:** BoS Chairperson Physics welcomed all the members of the Board of Studies, Principal and other faculty members to the meeting. This was followed by the discussion on the agenda points mentioned above:

- BoS Chairman introduced the BoS members to the respected Principal, LIET, and also introduced the department faculty members to Honorable BoS expert members and further presented the brief department profile.
- BoS Chairman shown the salient features, curriculum analysis, and I Year Engineering Physics (Theory & Lab) course syllabus to the members of the BoS.

**Resolution:** Noted and Approved

**Item No. 2:** Confirmation of last BOS minutes of meeting held on 15-04-2023 at 10:00 am, LIET.

**Deliberations:** BoS Chairman Presented all Minutes of the last meeting in the presence of all members of 3<sup>rd</sup> BoS and they verified the minutes and approved.

**Resolution:** Noted and Approved

**Item No. 3:** Action taken on the report of last BOS minutes of meeting held on 15-04-2023.

**Deliberation:** BOS Chairman presented the Action Plan taken on Minutes of last BOS meeting held on 15-04-2023 as mentioned in below tabular column.



S.No	Points Discussed	Action Plan Taken
1.	University Nominee suggested the following points: <ul style="list-style-type: none"> <li>• He suggested to keep the syllabi of Engineering Physics (Theory &amp; Lab) same as per OU for "LR-23" Regulations for the Academic Year 2023-24.</li> <li>• Discussed on CIE and SEE evaluation process to be kept as per OU.</li> </ul>	All the Suggestions given by university Nominee have been taken to include in the syllabus [Engineering Physics (Theory and Lab)] and bounded.
2.	External Member -1 suggested the following points: <ul style="list-style-type: none"> <li>• He suggested to incorporate some basic definitions.</li> <li>• He suggested to keep the syllabi of Engineering Physics (Theory &amp; Lab) same as per OU for "LR-23" Regulations for the Academic Year 2023-24.</li> </ul>	All the Suggestions given by External Member-1 have been taken and small changes were made accordingly in the syllabus in required places.
3.	External Member-2 suggested the following points: <ul style="list-style-type: none"> <li>• She suggested to incorporate some basic definitions and rearrange the units for the continuity of the syllabus.</li> <li>• She suggested to keep the syllabi of Engineering Physics (Theory &amp; Lab) same as per OU for "LR-23" Regulations for the Academic Year 2023-24</li> </ul>	The suggestions of the External Member-2 have been taken and modifications were made accordingly in the syllabus and bounded.
4.	Alumni Member suggested the following points: <ul style="list-style-type: none"> <li>• Suggested that the syllabus may be appropriate for the current scenario.</li> <li>• Accepted the syllabus as suggested by BoS members.</li> </ul>	All the suggestions given by Alumni member have been implemented in the syllabus.
5.	Industry Expert suggested the following points: <ul style="list-style-type: none"> <li>• More application oriented topics related to recent technologies.</li> <li>• He suggested to keep the syllabi of Engineering Physics (Theory &amp; Lab) same as per OU for "LR-23" Regulations for the Academic Year 2023-24.</li> </ul>	The suggestion given by the Industry expert has been incorporated in the syllabus.

**Resolution: Noted and Approved**



**Item No. 4:** Discussion & Approval of Detailed Courses Syllabus of LR-24 B.E 1<sup>st</sup> Year

Course Name: **Engineering Physics (Theory & Lab)**

**Deliberation:**

The Chairperson of BoS presented the detailed Syllabus of Engineering Physics of LR- 24 Regulations and after elaborated discussion, BoS Members suggested the following points:

- University Nominee suggested and proposed
  1. To Reshuffle the proposed syllabus of the LR-24 (Theory)  
i.e., Unit I, II, III, IV, V can be as Unit II, I, IV, III, V as per the review syllabus frame structure of Osmania university .
  2. To remove the concept of Concentration of Schottky defects in ionic crystals .
  3. To change the Description of the experiment: To draw the I-V Characteristics of a p-n Junction diode as  
To draw the V-I Characteristics of a p-n Junction diode .
- Subject Expert-1 and 2 suggested
  1. To change the course outcome 1 as used in Engineering Materials instead of appropriate uses.
  - 2 . To modify the course outcome 4 with the BTL word Understand .
- The Phrase wave nature of Course outcome 4 is felt as incomplete phrase by Experts, so wave nature of matter was suggested to be added to proposed syllabus.

**Resolution:**

The Members after thorough discussion approved the Syllabus of Engineering Physics (Theory & Lab).

The detailed approval syllabi of Engineering Physics (Theory and Lab) are given in Annexure-I & II.

**Noted & Approved**

**Item No. 5:** Approval & Ratification of Question paper Setters, Examiners & Evaluators of B.E I, II Semesters of LR-23 & LR-24.

**Deliberation:** The Chairperson of BOS Presented the List of Question paper Setters, Examiners & Evaluators of B.E I, II Semesters [Physics department related courses] of LR-23 & LR-24 and after elaborated discussion, BOS Members suggested the following points:

- Members advised that, the paper setter and evaluators should have minimum 10 years of teaching experience in concerned subject
- Members recommended that no repetition of paper setters.

**Resolution:** All Members are approved and ratified the same, and it is given in Annexure –III

**Noted and Approved**

**Item No.6:** Suggestions on Innovative teaching learning process, Evaluation, Research and development of Physics

**Deliberation:** BOS members suggested on Innovative teaching learning process, Evaluation, Research and Development of Physics Department and suggested to conduct FDPs, Awareness programs to publish research articles in Web of Science and Scopus Indexed Journals, etc.

**Resolution:** Noted and Approved

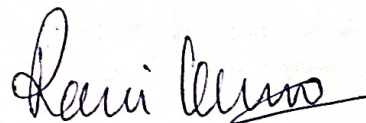


Dean-I Year honored the suggestions given by the BOS members and thanked all the members for accepting the invitation and attending the meeting offline and concluded the meeting.

BOS Chairman thanked all the members for the suggestions towards improvement. BOS Chairman conveyed vote of thanks to all the BOS members for spending their valuable time in reviewing the course syllabi, all the Deans and HODs of other departments, department faculty members for the support in designing course structures of UG.

He also thanked the Principal for continuous guidance and the Management for constant encouragement and support.

The meeting was concluded with the approval of University Nominee and consensus of all BOS Members



Dr. V. Ravi Kumar  
Chairperson – Board of Studies  
Department of Physics  
Lords Institute of Engineering and Technology[A]