



# LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

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Estd. 2002



Date: 10-04-2023

## MINUTES OF THE MEETING OF THE THIRD BOARD OF STUDIES

The Third Board of Studies Meeting of the Department of Electrical and Electronics Engineering was held on 10-04-2023 at 10:00 AM in TBI Room, Lords Institute of Engineering and Technology, Hyderabad.

### Members:

Sl No.	Name of the BoS Member	External/ Internal	Signature
1	Dr Ch. Santhan Kumar Professor & Head, EEE, LIET	Chairperson	
2	Dr P. Sathish Kumar Professor, Dept. of EE, College of Engineering, OU, Hyderabad	External Member (OU Nominee)	
3	Dr J. Sridevi Professor & Head, Dept. of EEE, GRIET, Hyderabad	External Member (Academic Expert)	ABSENT
4	Dr Md. Asif Professor & Head, Dept. of EEE, VCE, Hyderabad	External Member (Academic Expert)	
5	Mr N. Sivagangadhar Manager- Schneider Electric, Hyderabad	External Member (Industry Expert)	
6	Mr K. Dasharad Technical Lead, Value Labs, Hyderabad	External Member (Alumnus)	
8	Mr R. Venkata Krishna Assistant Professor, EEE, LIET	Internal Member	
9	Mr P.Yellaiah Assistant Professor, EEE, LIET	Internal Member	
10	Mr S. Mallikharjuna Assistant Professor, EEE, LIET	Internal Member	
11	Ms Md Nagma Arshin Assistant Professor, EEE, LIET	Internal Member	
12	Dr C. V. Narasimhulu, Professor, ECE, Principal, LIET	Permanent Invitee	

## AGENDA:

1. Confirmation of last BoS Minutes held on 08-07-2022
2. Action taken report on last BoS meeting
3. Progress of the Department since the last BoS Meeting
4. Finalization of B.E V and VI Semester courses syllabi
5. Approval of B.E & M.E. service courses syllabi
6. Approval of LR-23 regulation syllabus including Professional Electives and open electives.
7. Approval of LR-23 BEE subject and BEE Lab Syllabus
8. Ratification of Question Paper Setters, Examiners & Evaluators of B.E II Semester BEE Course & B.E EEE IV Semester Courses.
9. Approval of Question Paper Setters, Examiners & Evaluators for B.E I Semester BEE Course & B.E EEE III Semester Courses.
10. Suggestions on Innovative Teaching Methodologies, R&D, Academic & Extension Activities

Dr Ch. Santhan Kumar, BoS Chairperson and HOD (EEE) 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:

The following deliberations were made as per the agenda and resolutions were listed below:

### **Item No.1: Confirmation of minutes of Last BoS held on 08-07-2022**

#### **Deliberation:**

BoS Chairperson presented the minutes of the previous BoS meeting; all the members approved the minutes.

#### **Resolution:**

- Noted and approved

### **Item No.2: Action Taken Report on Last BoS meeting**

#### **Deliberation:**

BOS Chairperson presented the Action Taken Report on the last BOS meeting held on 08-07-2022.

#### **Resolution:**

- After discussion the action taken report on the last BoS meeting is approved and attached as an Annexure I.

  
**Dr. Ch. Santhan Kumar**  
M.Tech., Ph.D (JNTUK)  
Chairperson, Board of Studies  
Department of Electrical & Electronics Engineering  
Institute of Engineering and Technology (Autonomous)  
M. S. R. Road, 500091, T.S.

### Item No.3: Progress of the Department since the last BoS Meeting

#### Deliberation:

BoS Chairperson has presented the department's progress in terms of Research, Student Projects, Departmental Activities, and Faculty & Student Development Activities since the last BoS meeting.

#### Resolution:

- Noted and appreciated.

### Item No.4: Finalization of B.E V and VI semester courses syllabi

#### Deliberation:

#### Semester-V:

BoS Chairperson presented the B.E V Semester Course Syllabi and after subject-wise elaborated discussion, BoS Members suggested the following points:

#### Control Systems:

- Adding Nicholas Plot topic in Unit IV.

#### Power Systems II:

- Symmetrical and Asymmetrical faults need to be added.
- Fault analysis syllabus is to be reframed.
- Instead of Travelling wave theory, add Power System Protection topics in unit V.
- If possible, include CMPS test book by Dr. P. Satish Kumar in References

#### Power System Protection:

- Suggested to introduce the latest protection schemes like Static Relays, Numerical Relays and Traditional relays.

#### Renewable Energy Sources:

- Suggested to add Hybrid energy systems in Unit V.
- Keep MPPT techniques in solar energy.

#### Power Electronics - I Lab:

- Suggested to have Introduction on MATLAB & Coding Skills.
- Mention the software for simulation experiments.

#### Electrical Energy Conservation and Auditing:

- Keep Guide books after text books in suggested readings.

#### Power systems Lab:

- Frame the lab syllabus in line with subject, exp.no 8,9 and 10 are not covered in theory course syllabus.

#### Electrical Simulation Tools Lab:

- Experiments 1,2 and 3 are repeated in CS lab

  
**Dr. P. Satish Kumar**  
M.Tech., Ph.D (IITLUK)  
Professor and Head  
Chairperson, Board of Studies  
Department of Electrical & Electronics Engineering  
Lords Institute of Engineering and Technology (Autonomous)  
Hyderabad - 500091, T.S.

## Semester-VI:

BoS Chairperson presented the B.E VI Semester Course Syllabi and after subject-wise elaborated discussion, BoS Members suggested the following points:

### Microprocessors and Micro controllers Applications:

- Include Applications of Microcontrollers in Unit V.

### Electric Drives:

- Suggest to change the title of the subject as Control of Electric Drives/Static Drives.
- Add the Applications of DC Motor drives in Unit III.

### Wind and Solar Hybrid Energy Systems:

- Add the topic of architecture of Solar and Wind systems in unit II.

### Microprocessors and Micro controllers Lab:

- Suggested to add another experiment in cycle 1 and cycle 2.

### Energy Conservation and Management:

- Add Green House technology topic in Unit V.

### Resolution:

- The BoS Chairperson obliged the suggestions given by members, the syllabus is modified accordingly and attached as an Annexure II.

## Item No.5: Approval of B.E & M.E Service Course Syllabi

### Deliberation:

BoS Chairperson presented the syllabi of Automatic Control Systems Course for B.E Electronics and Communication Engineering & Waste to Energy Open Elective Course for M.E Programs, BoS Members suggested the following points:

### Automatic Control Systems:

- Members are suggested to have common control system syllabus for both EEE and ECE.

### Waste to Energy:

- All members approved the syllabus.

### Resolution:

- The BoS Chairperson noted the suggestions given by members, the syllabus is modified accordingly and attached as an Annexure III.

  
**Dr. Ch. Santhan Kumar**  
M.Tech., Ph.D (AUTUM)  
Professor and Head  
Chairperson, Board of Studies  
Department of Electrical & Electronics Engineering  
Lords Institute of Engineering and Technology (Autonomous)  
Hydrabad-503002, T.S.



## Item No.6: Approval of LR-23 Course Structure

### Deliberation:

BoS Chairperson presented the LR-23 structure and had the comparative discussion on LR-21 to LR-23 Course Structures.

### Signals and Systems:

- Added 1 extra credit for LR-23 structure

### Laboratories:

- Few Laboratories are reduced to 2 hours and the credits changed to 1.

### PSOC and PSP Courses:

- PSOC & PSP Courses are kept under Program Core in LR-23 Scheme.

### LIC and DSP&ES Courses:

- LIC & DSP&ES Courses are changed to Professional Electives in LR-23 Scheme.

### Professional Electives:

- Members are suggested to distribute PE-III courses to other semesters.

### Project:

- Members are suggested to add major project phase-1 in VII semester with 2 credits and remove Comprehensive viva in VIII Semester.

### Technical Report Writing:

- Members are suggested keep in VII Semester.

### Resolution

- The BoS Chairperson noted the suggestions given by members, the syllabus is modified accordingly and attached as an Annexure IV.

## Item No.7: Approval of LR-23 BEE Theory and BEE Lab Syllabus.

### Deliberation:

BoS Chairperson presented the syllabi of Basic Electrical Engineering theory and lab course for B.E 1<sup>st</sup> Year, BoS Members suggested the following points:

### Basic Electrical Engineering:

- Split the unit 1 in to two units.  
Unit 1: Basics of circuits  
Unit 2: Theorems and Magnetic Circuits
- Remove unit 5

### BEE Lab:

- All members approved the syllabus.

  
**Dr. Ch. Santhan Kumar**  
M.Tech., Ph.D (JNTUK)  
Professor and Head  
Chairperson, Board of Studies  
Department of Electrical & Electronics Engineering  
Lords Institute of Engineering and Technology (Autonomous)  
Hyderabad - 500091, T.S.

**Resolution:**

- The BoS Chairperson noted the suggestions given by members, the syllabus is modified accordingly and attached as an Annexure V.

**Item No.8: Ratification of Question Paper Setters, Examiners & Evaluators of B.E II Semester BEE Course & B.E EEE IV Semester Courses.**

**Deliberation:**

- BoS Chairperson presented the Question Paper Setters, Examiners & Evaluators of B.E II Semester BEE Course & B.E EEE IV Semester Courses.

**Resolution:**

- Approved and Ratified.

**Item No.9: Approval of Question Paper Setters, Examiners & Evaluators for B.E I Semester BEE Course & B.E EEE III Semester Courses.**

**Deliberation:**

BoS Chairperson presented the BEE Question Paper Setters, Examiners & Evaluators for B.E I Semester BEE Course & B.E EEE III Semester Course.

**Resolution:**

- Noted and approved.

**Item No.10: Suggestions on Innovative Teaching Methodologies, R&D, Academic & Extension Activities**

**Deliberation:**


BoS members suggested take for industrial visit and promote internships.

**Resolution:**

- The BoS Chairperson noted the suggestions given by members and ensured towards implementation.

BoS Chairperson is authorized to present the resolutions made before Academic Council for further discussions and Approval.

BoS Chairperson conveyed a vote of thanks to all the BOS members for spending their valuable time in reviewing the syllabi, department faculty members for the support in designing the syllabus for III and IV Semester Courses & Service Courses, and the principal for continuous guidance and the Management for constant encouragement and support.

  
**Dr. Ch. Santhan Kumar**  
M.Tech. and Head  
Chairperson, Board of Studies  
Department of Electrical & Electronics Engineering  
Jawahar Institute of Engineering and Technology (Autonomous)  
Hyderabad - 500091, T.S.

**Attachments:**

**Annexure I:** Action Taken Report

**Annexure II:** LR21 B.E. EEE V and VI Semester Courses Syllabus

**Annexure III:** LR21 B.E. & M.E Service Course Syllabus

**Annexure IV:** LR23 B.E. EEE Course Structure

**Annexure V:** LR23 B.E. BEE Theory and BEE Lab Syllabus



**Dr. Ch. Santhan Kumar**

BoS Chairperson & Head  
Department of Electrical and Electronics Engineering  
Lords Institute of Engineering and Technology (Autonomous)  
Hyderabad.

**Dr. Ch. Santhan Kumar**

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Hyderabad - 500091, T.S.