



LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

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Date: 08-07-2022

MINUTES OF THE MEETING OF II BOARD OF STUDIES

The Second Board of Studies Meeting of the Department of Electrical and Electronics Engineering was held on 08-07-2022 at 2:00 PM 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 Associate Professor & Head, EEE, LIET	Chairman	
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)	
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. M. Ankush Kumar Assistant Professor, EEE, LIET	Internal Member	
10	Mr. S. Mallikharjuna Assistant Professor, EEE, LIET	Internal Member	
11	Ms. P. Amuthini Assistant Professor, EEE, LIET	Internal Member	
12	Dr. C. V. Narasimhulu, Professor, ECE, Principal, LIET	Permanent Invitee	

AGENDA:

1. Introduction of New Member to BoS Members
2. Confirmation of last BoS Minutes held on 06-08-2021
3. Action taken report on last BoS meeting
4. Progress of the Department since the last BoS Meeting
5. Finalization of B.E III and IV semester courses syllabi
6. Approval of B.E & M.E service courses syllabi
7. Ratification of BEE Question Paper Setters, Examiners & Evaluators of B.E I Semester
8. Approval of BEE Question Paper Setters, Examiners & Evaluators of B.E II Semester
9. 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: Introduction of New Member to BOS Members

Deliberation:

- BoS Chairperson introduced the new member of the board, Dr Md. Asif, Professor & Head, Department of EEE, Vardhaman College of Engineering as a replacement to Dr D. Bala Gangi Reddy.

Item No.2: Confirmation of minutes of Last BoS held on 06-08-2021

Deliberation:

- BoS Chairperson presented the minutes of the previous BoS meeting; all the members approved the minutes with minor suggestions as follows
- Members suggested keeping Digital Signal Processing in electives and Power System Analysis as Compulsory subjects.
- BoS Chairperson has taken approval for changing Switchgear and Protection to Professional Elective-1 and Special machines to Professional Elective-2.
- Members then suggested removing Renewable Energy Sources from Professional Elective-1.
- Members suggested combining the Power Systems-I lab with Power Systems-II Lab and keep as a single power Systems lab and suggested Substitute this lab with the Basic Electrical Simulation lab.

Resolution:

- The BoS Chairperson obliged the suggestions given by members and The course structure is modified accordingly.

Item No.3: Action Taken Report on Last BoS meeting

Deliberation:

- BOS Chairperson presented the Action Taken Report on the last BOS meeting held on 06-08-2021.

Resolution:

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

Item No.4: 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.5: Finalization of B.E III and IV semester courses syllabi

Deliberation:

Semester-III:

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

Analog Electronics:

- Linear Integrated Circuits subject as elective in continuation to Analog Electronics.
- Merging Analog Electronics and Digital Electronics will give a scope to add one more subject to the curriculum and upon discussion, it is decided to continue both subjects.

Electrical Machines - I:

- Remove the sub-topics of types of generators like series, shunt, and compound in Unit-II and suggested to keep only the main topic such as types of generators and remove the term derivation and keep only the EMF equation.
- It is decided to add P. S. Bimbhra to the list of textbooks rather than references.

Electrical Circuit Analysis:

- Node and Mesh Analysis, Concept of duality and dual networks, Analysis with dependent current and voltage sources from unit 2 to unit 1.
- Analysis of magnetically coupled circuits with dot Convention, Series and parallel resonances, Analysis of three-phase circuits from unit 1 to unit 2.
- Suggested to include balanced and unbalanced three-phase circuits, measurement of three-phase power by using 2 wattmeter method and Locus diagram in unit 2.
- Suggested to add h-g parameters in unit 5 and keep references 1 and 5 as Textbooks.

Electrical Circuit Analysis Lab:

- The PSPICE is not in use anywhere rather you conduct the MATLAB-based experiments.
- The Committee also suggested covering 2 experiments from each unit.

Electrical Machines - I Lab:

- All members approved the syllabus of Electrical Machines – I Lab.

Semester-IV:

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

Digital Electronics:

- All members approved the syllabus and suggested adding more textbooks in references.

Electrical Machines - II:

- To add V and inverted V curves in synchronous motors, X_d and X_q concepts in synchronous machines and to remove current and power circle diagrams from unit-4.
- To move the P.S. Bimbhra in the list of textbooks from references.

Power Systems - I:

- All members approved the syllabus of Power Systems – I.
- Members suggested adding Nagrath and Kothari in textbooks and moving Turan Gonen to reference books.

Signals & Systems:

- All members approved the syllabus.

Digital Electronics Lab:

- All members approved the syllabus.

Electrical Machines - II Lab:

- To remove the load test as a separate experiment.
- To add simulation experiments in MATLAB and conduct a minimum of 10 experiments.

Basic Electrical Simulation Lab:

- All members approved the syllabus.

Resolution:

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

Item No.6: Approval of B.E & M.E Service Course Syllabi**Deliberation:**

BoS Chairperson presented the syllabi of Elements of Electrical Engineering Course for B.E Civil Engineering & Waste to Energy Open Elective Course for M.E Programs, BoS Members suggested the following points:

Elements of Electrical Engineering:

- To shift transformer after DC machines in Unit III
- To remove Peak values in Unit II and to remove three-phase circuit concepts.

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.

Item No.7: Ratification of BEE Question Paper Setters, Examiners & Evaluators of B.E - I Semester

Deliberation:

- BoS Chairperson presented the BEE Question Paper Setters, Examiners & Evaluators of B.E - I Semester.

Resolution:

- Approved and Ratified.

Item No.8: Approval of BEE Question Paper Setters, Examiners & Evaluators of B.E - II Semester:

Deliberation:

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

Resolution:

- Noted and Approved.

Item No.9: Suggestions on Innovative Teaching Methodologies, R&D, Academic & Extension Activities

Deliberation:

- BoS members suggested making one industrial visit and one internship mandatory with/without credits.
- R&D Proposal notifications from different funding bodies like AICTE, DST, SERB, and CSIR are to be circulated among faculty. Faculty should work and write funding proposals.
- Awareness programs to publish research articles in Web of Science and Scopus Indexed Journals to be conducted.

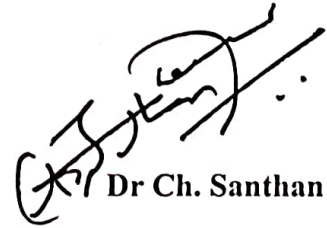
Resolution:

- 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.



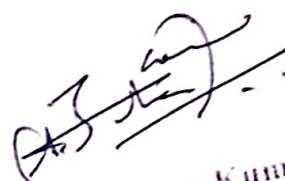
Dr Ch. Santhan Kumar

BoS Chairperson & Head
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ANNEXURE I

S.No	Resolution	Action Taken
1	BEE Include the characteristics, types and applications of synchronous machines in Unit IV	The Suggestions are incorporated in the BEE Syllabus.
2	BEE Lab Add 2 experiments as follows 1. Experiment on single phase Induction Machines 2. OC and SC characteristics of the Alternator	The Suggested Experiments are included in the BEE Lab Syllabus.
3	PS-II Include Switch Gear Protection	Switch Gear Protection is included as a Professional Elective in the Curriculum.
4	Comprehensive Viva The choice of selecting subjects must be given to students.	The Suggestions will be considered and implemented for Comprehensive Viva.
5	Power Converter Lab I Experiments should be more advanced compared to UG.	The Suggestions are considered and syllabus is framed accordingly.
6	Power Converter Lab II Experiments should be more advanced compared to Power Converter Lab I.	The Suggestions are considered and syllabus is framed accordingly.
7	Plan for Frequent Industrial Visits	The Suggestion is considered and Industrial Visits are organized in AY: 21-22.
8	Introduce Electrical Software and Provide Hands-on training to students	Electrical Software Tools is included as a Skill Development Course in the Curriculum.
9	Plan for more Workshops, Guest Lectures by IT and Core sector Experts.	The Suggestion is considered and events are organized in AY: 21-22.


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