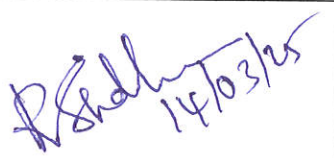
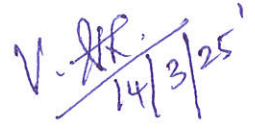
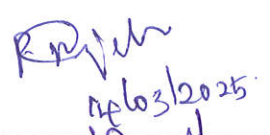
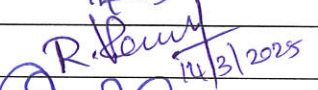
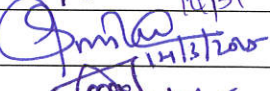
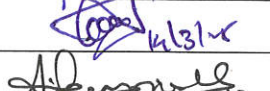
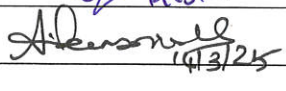


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

IInd Board of Studies (BOS) Meeting- Attendance

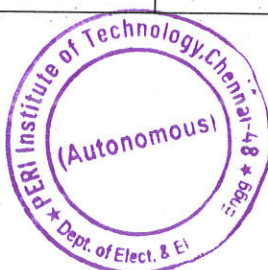
S.No	Name of the Member	Designation	
1.	Dr.K. Deepa Professor, Department of Electrical and Electronics Engineering, PERI Institute of Technology.Chennai-600048	Chairman	 14/3/25
2.	Dr. S. V. Anbuselvi, Professor, Department of Electrical and Electronics Engineering, Anna University, Chennai – 600025	Subject Expert - University Nominee	 14/3/25
3.	Dr. R. Sridhar, Professor, Department of Electrical and Electronics Engineering, SRMIST, Kattankulathur, Chennai-603203	External Subject Expert – Outside the Parent University	 14/3/25
4.	Dr. Sumathi V Professor, Department of Electrical and Electronics Engineering, VIT, Chennai - 632014	External Subject Expert – Outside the Parent University	 14/3/25
5.	Mr. Isaac Patturaja G B, HR Manager SANMINA, Chennai - 600032	Industrial Expert	 14/March 2025
6.	Mr. Rajesh P, Subject Matter Expert, Flex India, Tharamani, Chennai - 600113	Alumnus	 14/03/2025
7.	Dr.R. Kanthimathi	Internal Subject Expert	 14/3/2025
8.	Ms. S.L. Sreedevi	Internal Subject Expert	 14/3/2025
9.	Mr.R. Tamilamuthan	Internal Subject Expert	 14/3/25
10.	Ms. P.Aileen Sonia Dhas	Internal Subject Expert	 14/3/25

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MINUTES OF SECOND BOARD OF STUDIES MEETING

The Second Board of Studies (BoS) meeting of the Department of Electrical and Electronics Engineering was conducted on **14.03.2025** at BETA Conference Hall at 10.00 a.m (IST). The following members were present,

S.No	Name of the Member	Designation
1.	Dr.K. Deepa Professor, Department of Electrical and Electronics Engineering, PERI Institute of Technology.Chennai- 600048	Chairman
2.	Dr. S. V. Anbuselvi, Professor, Department of Electrical and Electronics Engineering, Anna University, Chennai – 600025	Subject Expert - University Nominee
3.	Dr. R. Sridhar, Professor, Department of Electrical and Electronics Engineering, SRMIST, Kattankulathur, Chennai-603203	External Subject Expert – Outside the Parent University
4.	Dr. Sumathi V Professor, Department of Electrical and Electronics Engineering, VIT, Chennai - 632014	External Subject Expert – Outside the Parent University



5.	Mr. Isaac Patturaja G B, HR Manager SANMINA, Chennai - 600032	Industrial Expert
6.	Mr. Rajesh P, Subject Matter Expert, Flex India, Tharamani, Chennai - 600113	Alumnus
7.	Dr.R. Kanthimathi	Internal Subject Expert
8.	Ms. S.L. Sreedevi	Internal Subject Expert
9.	Mr.R. Tamilamuthan	Internal Subject Expert
10.	Ms. P.Aileen Sonia Dhas	Internal Subject Expert
11.	All the faculty Members of the Department	Member

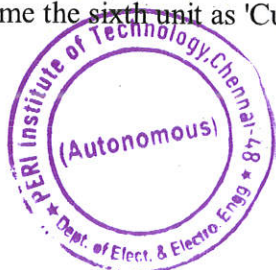
Dr.K.Deepa, Chairman of the Board of Studies (BoS), commenced the meeting by extending a warm welcome and providing an overview of the Department of Electrical and Electronics Engineering. She introduce the external members to the internal members. The Chairman then presented the following agenda to guide the discussions and deliberations of the members.

Agenda:

1. Chairman's presentation of Curriculum and Syllabus (3rd and 4th semester) both PG and UG.
2. Discussion about the Curriculum and Syllabus.

The Board of Studies (BoS) members have reviewed the curriculum and syllabus for 3rd and 4th semester and provided their comments and suggestions, which are detailed below,

1. Suggested to reduce the credits so that the students are not burdened more.
2. Suggested to refer to the AICTE curriculum framework and split the combined subject 'DC and AC Machines' into two separate courses—'Electrical Machines I' and 'Electrical Machines II'—and to move 'EMF' to the list of electives.
3. Recommended to rename the sixth unit as 'Current Trends in the Specified Course





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4. Suggested that, as the subjects in the 3rd and 4th semesters are foundational, a guest lecture could be planned for the sixth unit. A weightage of 5 marks may be allocated in the internal assessment, with 2 marks for attendance and 3 marks for a related test.
5. Recommended to include the subject of Machine Learning in the list of open electives, enabling students to apply its concepts across various electrical domains and thereby enhance their employability.
6. Recommended to introduce a mini project in place of studying recent trends, to encourage practical application and hands-on learning.
7. Suggested to modify the Power Electronics Laboratory by replacing the existing kits with breadboard-based experiments. This change aims to enhance students' practical skills, such as generating firing pulses and ensuring isolation, thereby improving their job readiness.
8. Recommended to strengthen alumni engagement to enhance employability by leveraging their professional networks and expertise for the benefit of current students.
9. Suggested to collaborate with industries to provide students with hands-on experience, bridging the gap between theory and practice. This initiative aims to equip students with practical knowledge of the topics studied and offer training for site engineer roles, thereby addressing the industry's growing demand for core engineers in field positions.
10. Recommended to remove the topics—Quantum Computing and Secure Networks, Artificial Intelligence (AI), and Machine Learning (ML) in Hardware from the course Electric Circuit Analysis and Networks, as these areas are broad and extensive, and may not align with the course's core objectives.
11. Suggested to remove the topic Static VAR Compensator from the sixth unit of the Control Systems course, as it may be too advanced for students in the third semester.
12. Recommended to incorporate simulation studies into the Control Systems course to provide students with a more practical and accessible learning experience.
13. Suggested to explore the possibility of incorporating the topic Hardware Testing using Arduino and Raspberry Pi into the Digital Logic Circuits course to enhance students' practical understanding and hands-on skills.

Based on the suggestions given by the members, the Chairman of BoS told that those fruitful suggestions would be incorporated appropriately in the Curriculum and Syllabi.



BoS resolved to recommend the following to the Academic Council for further approval.

- i) Curriculum for core courses of B.E. Electrical and Electronics Engineering (EEE) Programme as enclosed in **Annexure I**.
- ii) Syllabus for 3rd and 4th Semester Electrical and Electronics Engineering (EEE) core subjects as enclosed in **Annexure II**.
- iii) List of Professional Courses in B.E. Electrical and Electronics Engineering (EEE) Programme as enclosed in **Annexure III**.
- iv) List of Open Elective Courses in B.E. Electrical and Electronics Engineering (EEE) Programme as enclosed in **Annexure IV**.
- v) Curriculum and Syllabus for core courses of M.E. Power Electronics and Drives as enclosed in **Annexure V**.
- vi) Curriculum and Syllabus for professional and open courses of M.E. Power Electronics and Drives as enclosed in **Annexure VI**.

Meeting then ended with a vote of thanks by Dr.R.Kanthimathi , Associate Professor/EEE.


CHAIRMAN
Board of Studies
Department of EEE
PERI Institute of Technology (A)
Mannivakkam, Chennai-48

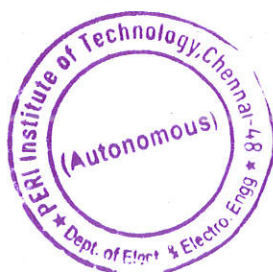


Based on the minutes of BoS meeting – 2 the following modifications were made:

1. The BoS recommendation to reduce the credit load in order to ease the burden on students was considered, and the curriculum has been reframed accordingly, with an overall reduction in total credits. (**Annexure I Page No.1 to 4**)
2. The recommendation to take the AICTE curriculum framework as a reference, the combined subject 'DC and AC Machines' was splitted into two distinct courses— 'Electrical Machines I' and 'Electrical Machines II'. Additionally, 'EMF' was moved to the list of professional electives to provide greater curriculam flexibility. (**Annexure II Page No.22,23,38,39&44**)
3. The recommendation to rename the sixth unit as 'Current Trends in the Specified Course' has been implemented and the topic 'Top Companies' from all courses were eliminated. (**Annexure II Page No.5 to 43**).
4. The suggestion to organize a guest lecture for the sixth unit of foundational subjects in the 3rd and 4th semesters has been accepted. A total of 5 internal marks will be allocated, with 2 marks for attendance and 3 marks for a test based on the lecture. (**Annexure II Page No.5 to 43**).
5. The recommendation to include Machine Learning as an open elective course has been implemented, allowing students to apply its concepts across various electrical domains and thereby enhance their employability. (**Annexure IV Page No.45**).
6. The recommendation to introduce a mini project in place of studying recent trends, aimed at encouraging practical application and hands-on learning, has been implemented. (**Annexure II Page No.5 to 43**).
7. The suggestion to modify the Power Electronics Laboratory by replacing the existing kits with breadboard-based experiments has been implemented. This change aims to enhance students' practical skills, such as generating firing pulses and ensuring isolation, thereby improving their job readiness. (**Annexure I Page No.3**).
8. The recommendation to strengthen alumni engagement to enhance employability by leveraging their professional networks and expertise for the benefit of current students has been incorporated. (**Annexure II Page No.5 to 43**).



9. The suggestion to collaborate with industries to provide students with hands-on experience, thereby bridging the gap between theory and practice, has been considered. This initiative aims to equip students with practical knowledge of the topics studied and offer training for site engineer roles, addressing the industry's growing demand for core engineers in field positions. (Annexure II Page No.2 to 43).
10. The recommendation to remove the topics—Quantum Computing and Secure Networks, Artificial Intelligence (AI), and Machine Learning (ML) in Hardware—from the Electric Circuit Analysis and Networks course has been accepted and implemented, as these areas are broad and extensive and may not align with the course's core objectives. (Annexure II Page No.9).
11. The Suggestion to to remove the topic Static VAR Compensator from the sixth unit of the Control Systems course, as it may be too advanced for students in the third semester, has been accepted and implemented. (Annexure II Page No.12).
12. The recommendation to incorporate simulation studies into the Control Systems course, in order to provide students with a more practical and accessible learning experience, has been implemented. (Annexure II Page No.12).
13. The suggestion to explore the possibility of incorporating the topic Hardware Testing using Arduino and Raspberry Pi into the Digital Logic Circuits course, to enhance students' practical understanding and hands-on skills, has been incorporated. (Annexure II Page No.31).
14. All suggested and recommended comments regarding the Professional Electives have been addressed, and the structure has been framed accordingly to ensure better alignment with departmental relevance and student needs. (Annexure III Page No.44)
15. Along with the above suggestions, the general recommendations provided by the members have also been incorporated into the curriculum and syllabus to enhance overall clarity, coherence, and academic relevance. (Annexure II Page No.2 to 43).



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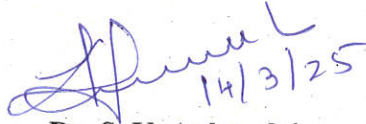
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BoS resolved to recommend the following to the Academic Council for further approval.



Dr. S. V. Anbuselvi,

Department of Electrical and Electronics Engineering,

Anna University, Chennai – 600025



Dr. R. Sridhar,

Professor,

Department of Electrical and Electronics
Engineering,

SRMIST, Kattankulathur, Chennai-603203



Dr. Sumathi V

Professor,

Department of Electrical and Electronics
Engineering, VIT, Chennai



Mr. Isaac Patturaja G B,

HR Manager

SANMINA,

Chennai



Mr. Rajesh P,

Subject Matter Expert,

Flex India,

Tharamani, Chennai



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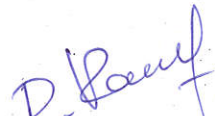
Ms. S L Sreedevi

Asst. Professor,

Department of Electrical and Electronics
Engineering,

Peri Institute of Technology

Tambaram, Mannivakkam, Chennai- 48



Dr. R. Kanthimathi

Asso. Professor

Department of Electrical and Electronics
Engineering,

Peri Institute of Technology

Tambaram, Mannivakkam, Chennai- 48



Mr. R. Tamilamuthan

Asst. Professor

Department of Electrical and Electronics
Engineering,

Peri Institute of Technology

Tambaram, Mannivakkam, Chennai- 48



Ms. P. Aileen Sonia Dhas

Asst. Professor

Department of Electrical and Electronics
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Tambaram, Mannivakkam, Chennai- 48



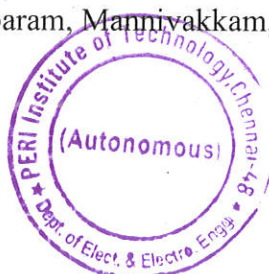
Dr. K Deepa

Head & Professor,

Department of Electrical and Electronics Engineering,

PERI Institute of Technology,

Tambaram, Mannivakkam, Chennai- 48



CHAIRMAN
Board of Studies
Department of EEE
PERI Institute of Technology (A)
Mannivakkam, Chennai-48