Eleventh Board of Studies Meeting

Venue: The Daffodil – Imperial Hall / Hybrid

Date: 03.12.2024

Meeting ID: 961 8340 0179

Time: 9.30 a.m.

Agenda:

To discuss and pass

1. Dissemination of Vision, Mission, PEOs and PSOs of the department
2. Discussion on the minutes of previous BoS meeting and action taken
3. Discussion on B.E. (Hons) / B.E. (Hons) and Minor degree with specialization
4. Proposed changes to Lab Experiments under Regulations 2021 (Revised)
5. Proposal for Additional Credit Courses (MOOC, Industry offered courses and Value added courses)
6. Discussion on Industrial training / Internship
7. Discussion on Capsule courses
8. Review and discussion of PO/PSO Targets
9. Approval of Examiners for question paper setting and valuation
10. Finalization of the Programme Exit Survey Questionnaire for the 2025 Batch.
11. Gathering inputs from members for Regulations 2025
12. Any other matter brought by the chair

Members Present:

S.No	Name of the member with Designation	Category	Signature
1.	Dr. K. Mohana Sundaram, Professor & HoD/EEE, KPRIET	Chairman	3/12/24.
2.	Dr. A. Ruby Meena Associate Professor, Department of Electrical and Electronics Engineering, Government College of Engineering, Dharmapuri – 636704	University Nominee	Attended online
3.	Dr. N. Selvaganesan Professor, Department of Avionics, Indian Institute of Space Science and	Academic Expert-1	

	Technology, Thiruvananthapuram - 695 547		
4.	Dr. R. Jayabarathi Associate Professor, Vice Chairperson Department of Electrical and Electronics Engineering, School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore – 641112	Academic Expert-2	
5.	Mr. K. K. Jembu Kailas Lead SME, Electrical Engineering, College Connect, L&T Edutech, Chennai – 600040.	Industry Expert	Attended online
6.	Er. P. Prasanna Kumar (Alumnus-Batch: 2014) Technology Analyst, Infosys Technologies Limited, 138, Nedunchezian Salai, Sholinganallur, Chennai - 600119.	Alumnus	
7.	Mrs Vandana Singhal, Professor / EEE	Professor of Practice	Vandana 03/12/2024
8.	Dr. V. S. Chandrika, Professor/EEE	Faculty Member	3/12/24
9.	Dr. P. Pandiyan, AsP/EEE	Faculty Member	P. Pandiyan 3/12/24
10.	Dr. A. Karthick, AsP/EEE	Faculty Member	3/12/24
11.	Dr. V. Parimala, AsP/EEE	Faculty Member	3/12/24
12.	Dr. C. Pazhanimuthu, AsP/EEE	Faculty Member	3/12/24
13.	Dr. G. Saravanan, AP/EEE	Faculty Member	3/12/24
14.	Dr. I. Baranilingesan, AP/EEE	Faculty Member	3/12/24
15.	Dr. S. Ravindran, AP/EEE	Faculty Member	3/12/24
16.	Dr. T. Ramesh Kumar, AP/EEE	Faculty Member	3/12/24
17.	Dr. P. Ravikumar, AP/EEE	Faculty Member	3/12/24
18.	Ms. B. Lalitha, AP/EEE	Faculty Member	3/12/24
19.	Ms. R. Revathi, AP/EEE	Faculty Member	3/12/24

20.	Dr. A. Mohamed Ibrahim, AP/EEE	Faculty Member	
21.	Mr. V. Kamalkumar, AP/EEE	Faculty Member	
22.	Mr. C. J. Vignesh, AP/EEE	Faculty Member	
23.	Mr. C. Dinesh, AP/EEE	Faculty Member	
24.	Mr. K. Balamurugan, AP/EEE	Faculty Member	
25.	Mr. M. Mohanasundaram, AP/EEE	Faculty Member	
26.	Mr. G. Xavier Richards, AP/EEE	Faculty Member	
27.	Mr. P. Sandeepraaj, IV EEE B	Student Member	Attended Online.
28.	Ms. B. M. Abinandhana, IV EEE A	Student Member	
29.	Mr. P.Sarvesh III EEE	Student Member	
30.	Ms. B. Jaya Shalini, III EEE	Student Member	

Minutes of the 11th Meeting of the Board of Studies

The meeting started with the Chairman's welcome note to all the members of the Board of Studies.

The following points were discussed during the meeting.

1. **The Vision, Mission of the department, PEOs and PSOs were presented to the members.**

VISION

To be a premier centre for quality education, innovation and research in the field of Electrical and Electronics Engineering to meet the global challenges with professional ethics and social consciousness.

MISSION

- Provide a holistic environment to students through knowledge-centric and skill-based education
- Collaborate with industries for effective research and innovation in Electrical Engineering and allied areas
- Enable students to serve the society through prolific ideas with professionalism and ethical values

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

The Graduates of B.E. Electrical and Electronics Engineering, four years after graduation, will

PEO1: Apply the acquired knowledge and skills to meet the emerging needs of the society and also excel in their chosen profession

PEO2: Adapt to emerging technologies and continuously upskill through active research in Electrical Engineering and allied areas

PEO3: Demonstrate leadership skills and practice their profession conforming to ethical and human values

PROGRAM SPECIFIC OUTCOMES (PSOs)

The Graduates of B.E. Electrical and Electronics Engineering will be able to

PSO1: Analyse, design and test power electronic components integrated with computer-based systems to meet industrial and societal needs

PSO2: Deploy modern engineering tools to model, simulate, fabricate and integrate electrical systems with renewable energy to enhance sustainability

2. Action taken on the minutes of the 10th BoS meeting

- The minutes of the 10th BoS meeting and the action taken thereon were presented, discussed and approved.

Sl.No.	SUGGESTIONS	ACTION TAKEN
1.	Dr. A. Ruby Meena suggested to rename the special laboratory as the Electrical Application Laboratory, so that the name reflects the application-oriented experiments carried out in it.	As per the suggestion, the laboratory title was modified.

3. Stakeholders' inputs on curriculum design

- Stakeholders' inputs were obtained during the Internal BoS Meeting.
- The inputs received from the stakeholders through QIC, PAC and the Internal BoS were presented to the members of BoS for further necessary action.

4. Discussion on B.E. (Hons) / B.E. (Hons) and Minor degree with specialization

- BoS members discussed the "AI for Embedded System" minor course and approved it.

5. Proposed changes to Lab Experiments under Regulations 2021 (Revised)

Sl. No.	Proposed Lab	Experiments
1.	U21EE404 - Electrical Machines Laboratory – II	1. Design and simulation of Induction motor 2. Speed control of Induction motor using VFD 3. Externally excited synchronous machine

- BoS members reviewed the proposed changes to the lab experiments of U21EE404 and approved them, to give students better hands-on exposure to the design, control and operation of induction and synchronous machines.

6. Proposal for Additional Credit Courses (MOOC, Industry-offered courses and Value-added courses)

- Members of BoS approved all the MOOC/Online Courses, One Credit Courses and Value-Added Courses under R2021 (Revised), and the Liberal Arts courses.

7. Industrial training / Internship

- BoS Members approved the list of industries across PAN India recommended for in-plant training / internship.

8. Discussion on Capsule courses

Sl. No	Course Title	Offered in
1	Energy Efficiency in Electrical Utilities	III & V Semesters
2	Harmony on Nature and Society	III & V Semesters
3	Data Science for Electrical and Electronics Engineers	IV & VI Semesters

9. Review and discussion of PO/PSO Targets

- The PO/PSO targets and their attainment in the department were reviewed by the BoS Members.

10. Approval of Examiners for question paper setting and valuation

- BoS Members approved the Examiners for question paper setting and valuation

11. Finalization of the Programme Exit Survey Questionnaire for the 2025 Batch.

- BoS members approved the Programme Exit Survey Questionnaire for the 2025 Batch.

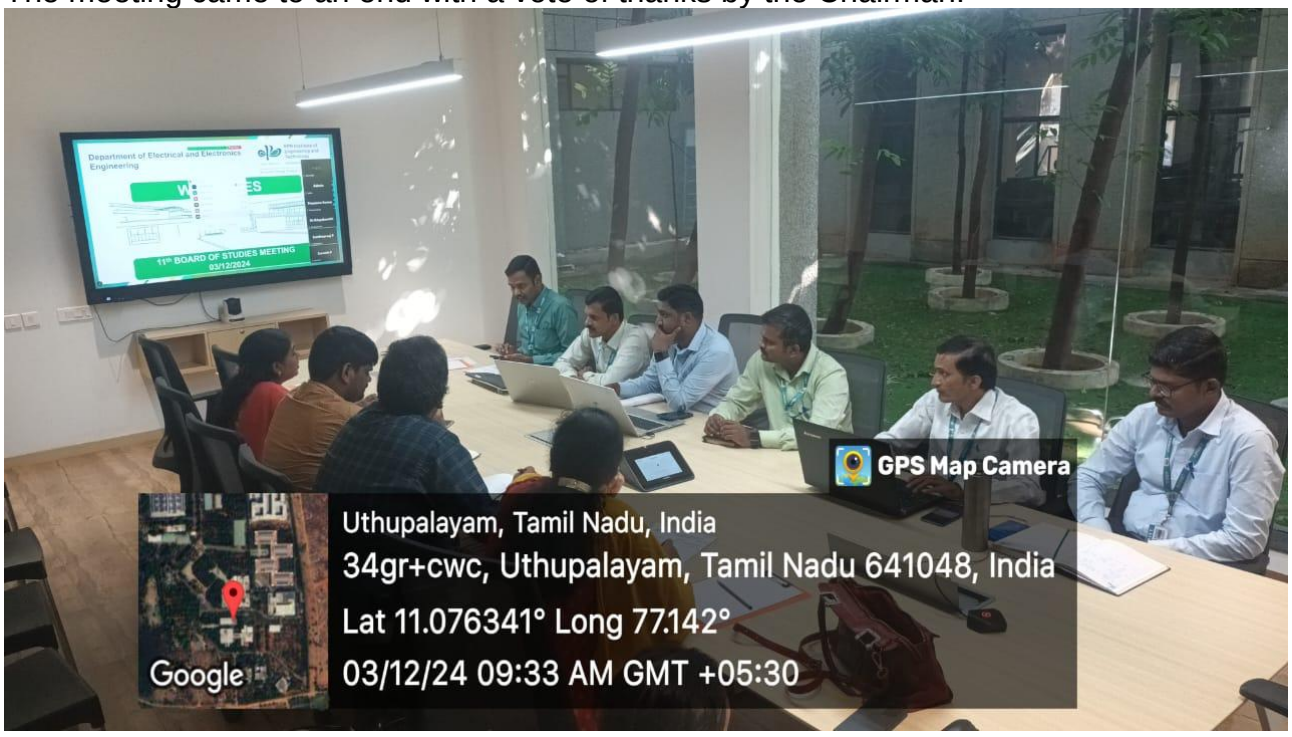
12. Gathering inputs from members for Regulations 2025

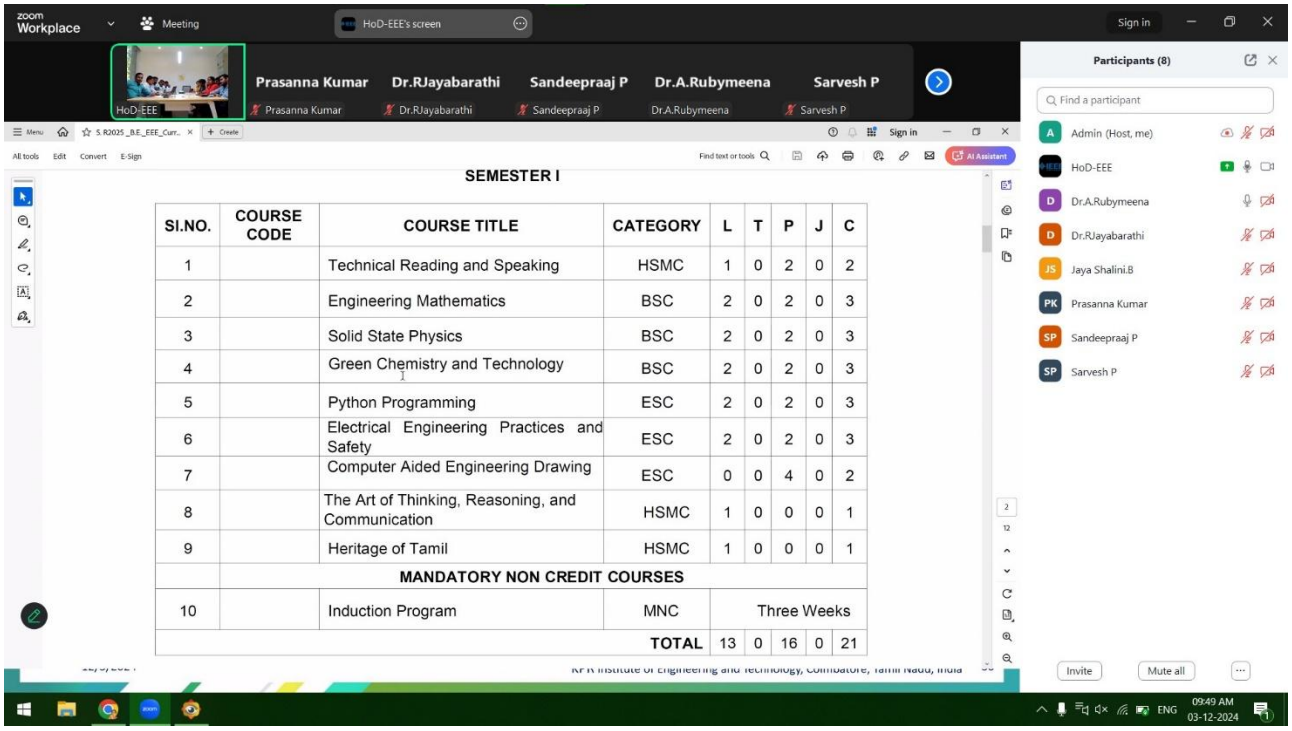
- A BoS member suggested that each core subject laboratory be offered as a separate laboratory course under Regulations 2025, with credits equivalent to those suggested by AICTE, so that students get adequate hands-on practice and the curriculum remains in line with AICTE norms.

13. Any other matter brought by the Chair

- BoS Members reviewed the students' feedback on the courses, to ensure the effectiveness of the evaluation and the quality of the courses.

The meeting came to an end with a vote of thanks by the Chairman.





SEMESTER I

SI.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	J	C
1		Technical Reading and Speaking	HSMC	1	0	2	0	2
2		Engineering Mathematics	BSC	2	0	2	0	3
3		Solid State Physics	BSC	2	0	2	0	3
4		Green Chemistry and Technology	BSC	2	0	2	0	3
5		Python Programming	ESC	2	0	2	0	3
6		Electrical Engineering Practices and Safety	ESC	2	0	2	0	3
7		Computer Aided Engineering Drawing	ESC	0	0	4	0	2
8		The Art of Thinking, Reasoning, and Communication	HSMC	1	0	0	0	1
9		Heritage of Tamil	HSMC	1	0	0	0	1
		MANDATORY NON CREDIT COURSES						
10		Induction Program	MNC	Three Weeks				
			TOTAL	13	0	16	0	21

Chairman – BoS/EEE