Thirteen Board of Studies Meeting

Venue: The Jasmine Hall / Hybrid

Date: 25.11.2025

Meeting ID: 937 1725 6718

Time: 10.00 a.m.

Agenda:

- Dissemination of Vision, Mission, PEOs and PSOs of the department
- Discussion on the minutes of previous BoS meeting and action taken
- Discussion on Stakeholders inputs on curriculum design under Regulations 2025
- Discussion on curriculum and syllabi for the semesters III and IV under Regulations 2025
- Discussion on Service Course syllabus offered to other programs under Regulations 2025
- Discussion on B.E. (Hons) and Minor degree
- Proposal for Additional Credit Courses (MOOC, Industry offered courses and Value-added courses)
- Discussion on Industrial training / Internship
- Discussion on Capsule courses
- 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	
2.	Dr. N. Narmadhai Professor Department of Electrical and Electronics Engineering Government College of Technology, Coimbatore.	University Nominee	
3.	Dr. S. Jeevananthan Professor, Department of EEE Puducherry Technological University Puducherry - 605 014	Academic Expert-1	
4.	Dr. Obbu Chandra Sekar Professor, Department of Electrical Engineering National Institute of Technology Delhi, Delhi - 110036	Academic Expert-2	Attended through online
5.	Mr.Sivaraman Power Plant Control Engineer Schneider Electric solar India Pvt Ltd, Chennai	Industry Expert	

6.	Mr. Sriramprakash Senthilraj Lead Engineer Bosch Global Software Technologies Coimbatore	Alumnus	
7.	Er.Vandana Singhal Ex-Chief Engineer (DP&R) Central Electricity Authority Ministry of Power (Govt. of India), New Delhii	Professor of Practice	
8.	Dr. V. S. Chandrika, Professor/EEE	Faculty Member	
9.	Dr. C. Pazhanimuthu, AsP/EEE	Faculty Member	
10.	Dr. G. Saravanan, AP/EEE	Faculty Member	
11.	Dr. I. Baranilingesan, AP/EEE	Faculty Member	
12.	Dr. S. Ravindran, AP/EEE	Faculty Member	
13.	Dr. T. Ramesh Kumar, AP/EEE	Faculty Member	
14.	Dr. P. Ravikumar, AP/EEE	Faculty Member	
15.	Ms. B. Lalitha, AP/EEE	Faculty Member	
16.	Ms. R. Revathi, AP/EEE	Faculty Member	
17.	Dr. A. Mohamed Ibrahim, AP/EEE	Faculty Member	
18.	Mr. V. Kamalkumar, AP/EEE	Faculty Member	
19.	Mr. C. J. Vignesh, AP/EEE	Faculty Member	
20.	Dr. C. Dinesh, AP/EEE	Faculty Member	
21.	Mr. K. Balamurugan, AP/EEE	Faculty Member	
22.	Mr. M. Mohanasundaram, AP/EEE	Faculty Member	
23.	Mr. G. Xavier Richards, AP/EEE	Faculty Member	
24.	Ms.Subika T, IV EE	Student Member	
25.	Mr.Kavin V, IV EE	Student Member	
26.	Ms.K.Yazhini, III EE	Student Member	
27.	Mr.A.Pranav, III EEE	Student Member	

Minutes of the 13th 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 12th BoS meeting

- The 12th BoS Meeting was conducted on 31/05/2025 and all the suggestions were noted and incorporated.

S.No.	SUGGESTIONS	ACTION TAKEN
1.	Dr. A. Ruby Meena suggested to provide more problems in Calculus and Differential Equations and Mathematical Transforms, to give students more problem-solving practice.	In line with the recommendation, the curriculum will be augmented with additional problems; these will be delivered and assessed through simulation-based exercises.
2.	Dr. Ashok Kumar Thirunarayana suggested to introduce one elective course or one credit course on Battery Technology, in view of the growing demand for battery and energy storage skills.	The suggestion will be incorporated in the upcoming semesters.

3. Discussion on Stakeholders' inputs on curriculum design under Regulations 2025

- The inputs received from stakeholders during the Quality Improvement Committee (QIC) meeting and the PAC meeting were presented to the members of BoS for further necessary action.

4. Discussion on curriculum and syllabi for the semesters III and IV under Regulations 2025

- The curriculum and syllabi for Semesters III and IV under Regulations 2025 were discussed. The BoS Members gave the following suggestions, which were reviewed and approved.

Dr. Obbu Chandra Sekar suggested the following points:

S. No.	SUGGESTIONS
1	The Electromagnetic Theory and Applications course credit may be changed to 3 credits, to allow sufficient contact hours for the depth of the subject.
2	The Measurement and Instrumentation course may be offered in Semester V along with intelligent measurement techniques, so that students study them after building the necessary foundation.

Dr. N. Narmadhai suggested the following points:

S. No.	SUGGESTIONS
1	All theory courses in Semesters III and IV may be standardized to 3 credits, to maintain uniformity in the credit structure.

2	The Analog and Digital Electronics Laboratory may be offered separately, so that each laboratory gets adequate time and focus for its experiments.
3	The Microprocessor and Microcontroller Laboratory may be offered along with the theory course, so that the practical sessions are integrated with the concepts taught in theory.
4	In the Measurements and Instrumentation course syllabus, the working principles of moving-coil and moving-iron instruments may be added and the reference books may be updated, to strengthen the understanding of basic instruments and to keep the references current.

Er. Sriramprakash Senthilraj suggested the following points:

S. No.	SUGGESTIONS
1	The PIC microcontroller may be included in the syllabus of the Microprocessors and Microcontroller course, to enhance practical exposure and industrial relevance.

Er. Vandana Singhal suggested the following points:

S. No.	SUGGESTIONS
1	Basic metering related topics may be incorporated into the Power Transmission and Distribution course, to strengthen foundational understanding.

Mr. P. Sivaraman suggested the following points:

S. No.	SUGGESTIONS
1	The DC measurement techniques, Rogowski coil operation and IoT integration topics may be added in the Measurements and Instrumentation course syllabus, to cover the measurement practices followed in present-day industry.
2	Job-oriented value-added courses such as Power System Simulation using ETAP and Power Electronics Devices Simulation using PSIM may be offered in the 6th or 7th semester, to improve the employability of students.
3	The Power Transmission and Distribution syllabus may be updated by referring to CEA guidelines, Indian and IEEE standards, and the SCADA Architecture topic may be included, to align the course with the practices followed in the power sector.
4	The Power Quality Mitigation techniques may be introduced as an elective course, to equip students to address power quality issues in modern power systems.
5	Subjects such as HVDC, High Voltage Engineering and FACTS may be incorporated into the curriculum, to give students exposure to the advanced transmission technologies used in the power sector.

Dr. S. Jeevananthan suggested the following points:

S. No.	SUGGESTIONS
1	In the Electrical Machines course, the topics “Three-phase transformer connections, Parallel operation and Autotransformer” may be included, as they are fundamental to the practical application of transformers.
2	In the Electrical Machines course, the relevant Indian Standards for rotating electrical machines and the IP standards for electrical machines may be included, so that students are aware of the standards followed for the rating and protection of machines.

5. Discussion on Service Course syllabus offered to other programs under Regulations 2025

- The Service Course syllabus offered to other programs under Regulations 2025 was discussed and approved by the BoS members.

6. Discussion on B.E. (Hons) and Minor degree

- The B.E. (Hons) and Minor courses were discussed and approved by the BoS members.

7. 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, Value-Added Courses, Industry-offered courses and Liberal Arts courses.

8. Discussion on Industrial training / Internship

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

9. Discussion on Capsule courses

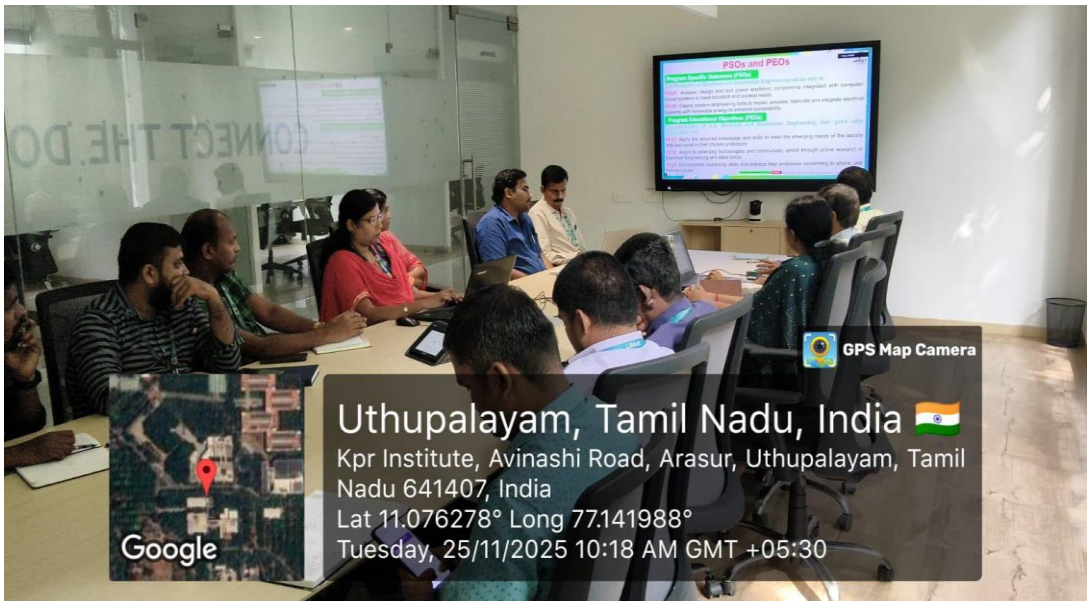
- BoS Members approved the following capsule courses for the academic year 2025 – 2026.

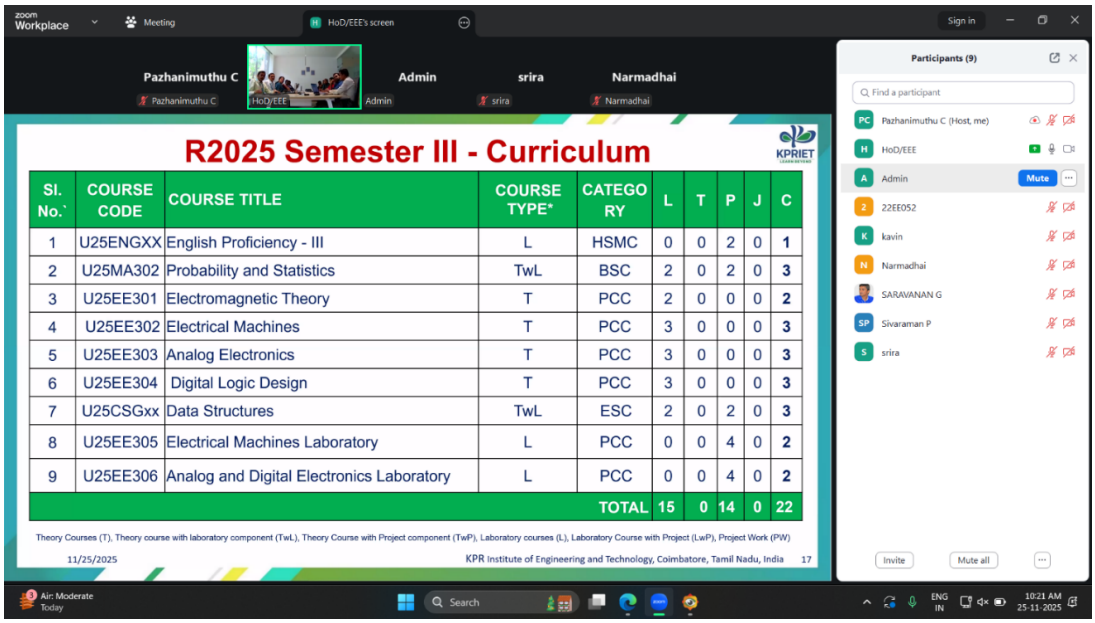
S. No.	Course Title	Offered in
1.	Digital Twins for Smart Systems	II, IV & VI Semesters

10. Any other matter brought by the Chair

- Other matters raised by the Chair were discussed and approved by the BoS members.

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





Sl. No.`	COURSE CODE	COURSE TITLE	COURSE TYPE*	CATEGORY	L	T	P	J	C
1	U25ENGXX	English Proficiency - III	L	HSMC	0	0	2	0	1
2	U25MA302	Probability and Statistics	TwL	BSC	2	0	2	0	3
3	U25EE301	Electromagnetic Theory	T	PCC	2	0	0	0	2
4	U25EE302	Electrical Machines	T	PCC	3	0	0	0	3
5	U25EE303	Analog Electronics	T	PCC	3	0	0	0	3
6	U25EE304	Digital Logic Design	T	PCC	3	0	0	0	3
7	U25CSGxx	Data Structures	TwL	ESC	2	0	2	0	3
8	U25EE305	Electrical Machines Laboratory	L	PCC	0	0	4	0	2
9	U25EE306	Analog and Digital Electronics Laboratory	L	PCC	0	0	4	0	2
				TOTAL	15	0	14	0	22

Chairman – BoS/EEE