ADHIYAMAAN COLLEGE OF ENGINEERING, HOSUR
(An Autonomous Institution)
Approved by AICTE, Affiliated to Anna University
Accredited by NBA and NAAC
Dr. M.G.R Nagar, Hosur – 635130

Department of Electrical and Electronics Engineering

Minutes of the 32nd Meeting of the Board of Studies

Date : 19th July 2025
Time : 09:30 AM
Venue : Conference Room - II

1. Welcome Address and Opening Remarks

Dr. K. Santhi, Chairman, Board of Studies, Department of Electrical and Electronics Engineering, welcomed all the members to the 32nd Board of Studies meeting.

2. Confirmation of the Minutes of the 31st BoS Meeting

The minutes of the 31st Board of Studies meeting held on 21st December 2024 were circulated among the members. All received comments were incorporated, and the minutes were placed before the Board for confirmation.

3. Review of 32nd BoS Meeting and Course Content

Dr. K. Santhi presented the changes incorporated in the syllabi of Regulation 2022 (VII Semester) and Regulation 2025 (I Semester). The suggestions from BoS members were considered and suitably incorporated.

4. Course-wise Suggestions given by BoS Nominees

Suggestions by Dr. C. Vennila (Anna University Nominee):

- Suggestion made to reduce the number of continuous assessments for better academic balance and focus.

722EET01 – Power System Operation and Control

- Unit I : Overview of controllers to be elaborated include reference book : 'Power System Opeartion and Control' by M.Jeraldin Ahila, Lakshmi Publiucations, Chennai, 2021.
- Unit II : Rename to "Economics of Power System"; emphasize reactive power and voltage control.

- Unit III : Clarify MW-related concepts; enhance discussion from MW to P-F interaction.
- Unit IV : Include Boost Transformer; remove content on exciter, generator modeling, static performance.
- Unit V : Include Power System Stability under Deregulated environment.
- Mapping to POs & PSOs reviewed.

722EEI02 – Electric Drives and Control

- Unit I : Include motor load dynamics, steady-state dynamics.
- Units II : Change 'Thyristor converter' to 'Phase-controlled converter' and add continuous/discontinuous operation
- Unit III : Change 'Inverter-fed' to 'VSI-fed'
- Unit V : Remove 'Selection of Drives' and add 'Modeling of DC Drives'
- Objectives and outcomes to be revised with standard verbs.

  Lab : Add two study experiments.

722EEE05 – Power Quality Management

- Add domain-specific applications in all units
- Remove microprocessor-based control topic
- Modify the action verb in CO2
- Emphasize model tools and simulation practices in mapping

722EEE06 – Special Electrical Machines

- Remove MPMC from prerequisites.
- In Unit I, Replace microprocessor-based control with digital control.
- Add Blooms level in course outcomes where feasible.

722EEP07 – Power System Simulation Laboratory

- Add standard verbs to objectives.
- Replace "Compensation" with relevant terminology.
- Modify 7th & 8th experiments: Include Load Frequency Control.
- Include references to open-source tools.

722EEP08 – Mini Project

- Permit individual project work.
- Remove detailed course content; retain suggestions only.
- Encourage continuity of projects to 8th semester.
- Include 5-minute video presentation as compulsory.
- Remove specific COs; instead, emphasize ethics in objectives and outcomes.

Suggestions by Dr. G. Arunkumar (Subject Expert):

722EEI02 – Electric Drives and Control

- Add performance analysis for all experiments, emphasize closed-loop performance.

722EEP07 – Power System Simulation Laboratory

- Change 'Load frequency dynamics' to 'Load frequency control' in experiments.

722EEP08 – Mini Project

- Include 'audio / video presentation' in the mode of delivery.

522EEE30 – Embedded System Programming

- Add specific applications in Unit III : On-chip peripheral Driver Programming & Unit V: Embedded Protocol Operations & Communication Programming.

Suggestions by Dr. S. Dhanalakshmi (Subject Expert):

722EET03 – Smart Grid

- Remove 'Blockchain Technology' and map PO6 to a moderate level
- Add the IoT for Electrical Engineers course in prerequisites.
- Modify CO1 and CO5 for clarity; add PO6 (level 2) in mapping.
- Unit IV: Add introduction to EV charging stations and application of smart grid in EV.

722EEP07 – Power System Simulation Laboratory

- Add IEEE bus standards as a study experiment.

522EEE30 – Embedded System Programming

- Suggest higher level of CO-PO mapping

R2025 UG & PG Curriculum Recommendations:

UG Curriculum:

- Introduce trending subjects: IoT, Soft Computing, Deep Learning, Drone Technology, Sensors, Advanced Control, Electrical Machine Design and Image processing.
- Include tools like MATLAB & TinkerCAD.

Suggestions by Dr. C. Vennila (Anna University Nominee):

125XXXX – Electrical, Electronics, and IT Essentials for Engineers

- Move DC circuits from Unit II to Unit I and rename Unit I to 'Circuit Elements and DC Circuits'.

125XXXX – Basics of Electrical, Electronics, and Instrumentation Engineering

- Add reference book: 'Electronic Instrumentation and Measurements' by H.S. Kalsi, 4th Edition, McGraw Hill, 2019.

Suggestions by Dr. G. Arunkumar (Subject Expert):

125XXXX – Electrical, Electronics, and IT Essentials for Engineers

- Add introduction to motors used in robotics and drones, rename Unit II to 'Fundamentals of AC Circuits and Drone Motors'.

Suggestions by Dr. S. Dhanalakshmi (Subject Expert):

125XXXX – Electrical, Electronics, and IT Essentials for Engineers

- Remove 'Classification & Applications of Transducers' in Unit V.

PG Curriculum:

- The PG curriculum structure under the R25 regulation was reviewed and accepted by the Board members, aligning with current academic and industry standards.

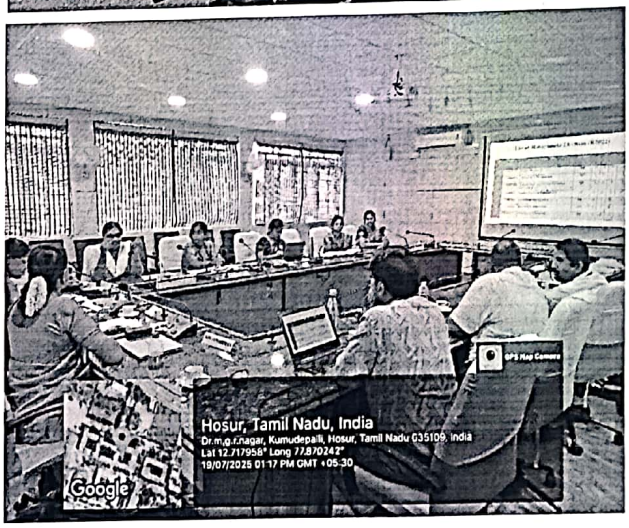
Approval of Revised Program Outcomes :

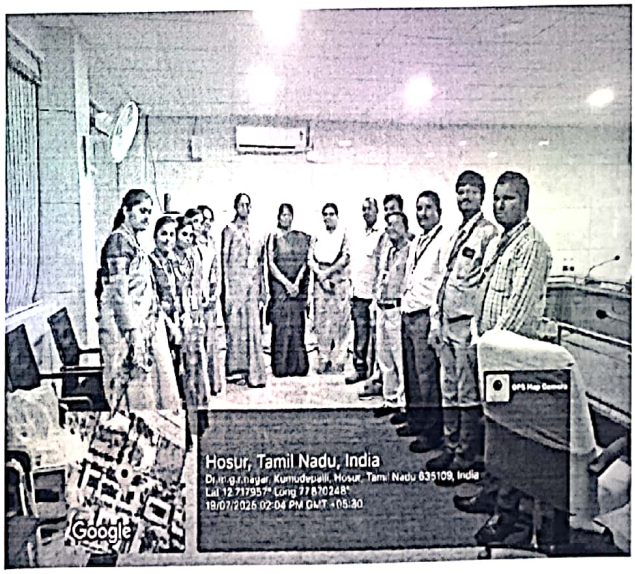
The revised Program Outcomes for both Undergraduate and Postgraduate programmes under Regulations 2025, as prescribed by the National Board of Accreditation (NBA), were presented to the Board of Studies.

Approval of Revised Program Specific Outcomes :

The revised Program Specific Outcomes (PSOs) for the Undergraduate programme under Regulation 2025 (CBCS), as suggested by the Department Advisory Board, were presented to the Board of Studies. After thorough review and discussion, the BoS approved the revised Program Specific Outcomes for implementation.

Glimpses of 32nd Board of Studies Meeting held on 19.07.2025





Conclusion

The BoS members appreciated the meticulous efforts of the EEE Department in framing the curriculum. The session witnessed active discussions, meaningful deliberations, and valuable suggestions.

All valid recommendations were incorporated in the UG (R2022–VII & R2025–I Semester) and PG (R2025 – I Semester) syllabi.

Dr. K. Santhi thanked all members for their valuable inputs and for contributing their time and expertise to the department.

19/7/25
Dr. K. Santhi
Chairman - BoS

19/7/2025
Dr.C. Venhila
Anna University
Nominee

Dr.G. Arun Kumar
Subject Expert

19/7/25
Dr. S. Dhanalakshmi
Subject Expert

Dr.B.Perumal
ASP / EEE

Dr.K.Senthil
AP / EEE

19/7/25
Mr.J.Jalendiran
AP / EEE

Mrs. M.Vimala
AP / EEE

Mrs.M.Sukanya
AP / EEE

Mrs. C. Abisheka
AP / EEE

Ms. S. S. Sravani
AP / EEE

Mr.C. Govindaraj
AP / EEE

Mrs. S. Kaviya
AP / EEE