



Department of Electrical Engineering

Minutes of BoS Meeting

A meeting of the Board of Studies (BoS) of the Department of Electrical Engineering, TMU College of Engineering, was held on 29 April 2026 to discuss and review the proposed syllabus revisions and other academic proposals for the Academic Session 2026–27 onwards. The meeting was chaired by the Head of the Department, Electrical Engineering, and various curriculum-related matters were deliberated upon in accordance with the academic requirements and regulatory guidelines. The following members were present at the meeting:

1. Prof. Ashwani Kumar, Professor, Electrical Engineering, National Institute of Technology Kurukshetra (External Expert)
2. Prof. Rakesh Kumar Dwivedi, Professor, Department of Computer Science (Nominated Member)
3. Dr. Shubhendra Pratap Singh, HOD, EE, TMUCOE, Moradabad (Chairperson, BoS)
4. Dr. Debanjan Roy, Assistant professor, EE, TMUCOE, Moradabad (Member, BoS)
5. Dr. Raghvendra Tiwari, Assistant professor, EE, TMUCOE, Moradabad (Member, BoS)
6. Mr. Umesh Singh, Assistant professor, EE, TMUCOE, Moradabad

List of Agenda Items

1. To review and approve the revised curriculum and syllabus of the B.Tech. Electrical Engineering programme, comprising a total of 166 credits, in accordance with the provisions of NEP-2020, while considering the AICTE Model Curriculum for Electrical Engineering (2024) as a guiding framework.
2. To consider the introduction of three specialization “Artificial Intelligence in Electric Vehicles”, “Renewable Energy Technology”, and “Computational Intelligence & Machine Learning” (16 credits each) in the B.Tech. Electrical Engineering curriculum from the academic session 2026–27 onwards.
3. To consider the introduction of Minor Degree programmes (20 credits each) in “Artificial Intelligence in Electric Vehicles”, “Renewable Energy Technology”, and “Computational Intelligence & Machine Learning” for students of other engineering disciplines, including Electronics and Communication Engineering, Mechanical Engineering, Civil Engineering, and Computer Science & Engineering from the academic session 2026–27 onwards.





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4. To consider the introduction of B.Tech. (Honours) programmes in Energy Engineering and Advanced Power Electronics & Drives for Electrical Engineering students from the academic session 2026–27 onwards. The Honours degree may be earned by completing an additional 20 credits through five specialized theory-cum-practical courses of 4 credits each.
5. To propose a four-week Value-Added Course titled “Modelling & Simulation on MATLAB (MSM-2026)” for B.Tech. students. The course may be considered equivalent to summer training, wherever applicable, and the course fee is proposed to be Rs.4,000 per student.
6. To discuss and deliberate upon any other matter with the permission of the Chair.

The following points were discussed in BoS:

1. The Board of Studies (BoS) reviewed in detail the revised curriculum and syllabus of the B.Tech. Electrical Engineering programme prepared in accordance with the provisions of NEP-2020 and aligned with the AICTE Model Curriculum for Electrical Engineering (2024). After thorough deliberations and discussions, the BoS approved the revised curriculum and syllabus comprising a total of 166 credits. The BoS further recommended its implementation from the upcoming academic session 2026-27 onwards, subject to the approval of the Academic Council and other statutory bodies of the University.
2. The proposal to introduce three specializations under the B.Tech. Electrical Engineering programme from the Academic Session 2026–27 was presented by the Head of the Department. The curriculum structure, objectives, and relevance of the proposed specializations were discussed in detail. The external expert and BoS members unanimously approved the following specializations:
 - a. Artificial Intelligence in Electric Vehicles
 - b. Renewable Energy Technology
 - c. Computational Intelligence and Machine Learning
3. The proposal to introduce Minor Degree programmes in the following areas was discussed in detail:
 - a. Artificial Intelligence in Electric Vehicles
 - b. Renewable Energy Technology
 - c. Computational Intelligence and Machine Learning

It was proposed that students from other engineering disciplines, including Electronics and Communication Engineering, Mechanical Engineering, Civil Engineering, and Computer



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Science & Engineering, may pursue these Minor Degrees by earning an additional 20 credits. The external expert and BoS members reviewed the proposal and unanimously approved its implementation.

4. The proposal to introduce B.Tech. (Honours) programmes in the following areas for Electrical Engineering students was discussed:
 - a. Advanced Power Electronics and Drives
 - b. Energy Engineering

It was proposed that students may pursue any one of the Honours programmes by earning an additional 20 credits through five specialized courses comprising 18 theory credits and 2 laboratory credits. The external expert and BoS members appreciated the initiative for promoting advanced domain expertise and unanimously approved the proposal.

5. The proposal to conduct a four-week Value-Added Course titled “Modelling & Simulation on MATLAB (MSM-2026)” for B.Tech. students was discussed and approved. The course may be considered equivalent to summer training, wherever applicable under the respective programme curriculum. The course fee was fixed at Rs.4,000 per student.

The Board of Studies unanimously approved the revised B.Tech. Electrical Engineering curriculum for the Academic Session 2026–27 onwards, incorporating all the above recommendations and modifications. The approved PSES for session 2026-27 onwards is enclosed as Annexure-I.

The meeting concluded with a vote of thanks to the Chair and all members present.

Dr. Shubhendra Pratap Singh
HoD, EE

Prof. Ashwani Kumar
(External Expert)

Prof. R. K. Dwivedi
Dean, FOE

Dr. Raghvendra Tiwari
(Member, BoS)

Dr. Debanjan Roy
(Member, BoS)



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