



Department of Civil Engineering

Minutes of BoS Meeting

A meeting of the Board of Studies (BoS) of the Department of Civil Engineering, TMU College of Engineering, was held on 30 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, Civil 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. S. S. Gupta, Professor & Dean, GBPUA&T, Pant nagar (External Expert)
2. Dr. Sunkulp Goel, Assoc. Professor, Department of Mechanical Engineering (Nominated Member)
3. Dr. Ashish Simalti, HOD, CE, TMUCOE, Moradabad (Chairperson, BoS)
4. Prof. R.K. Jain, Professor, CE, TMUCOE, Moradabad (Member, BoS)
5. Dr. Arun K. Pipersenia, Assoc. professor, CE, TMUCOE, Moradabad (Member, BoS)
6. Mr. Ankit Varshney, Assistant professor, CE, TMUCOE, Moradabad (Member, BoS)
7. Mrs. Nikita Jain, Assistant professor, CE, TMUCOE, Moradabad (Member, BoS)

List of Agenda Items

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





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4. To introduce B.Tech. Honors programmes in Civil Engineering with specializations in “Automation in Sustainable Infrastructure” and “Structural Health Monitoring” from the academic session 2026–27 onwards. Civil Engineering students may earn an additional 20 credits through five specialized courses (Theory + Practical), each carrying 4 credits, to obtain the Honors degree.
5. To propose a two-week Value-Added Course (VAC) titled “Introduction to Revit Architecture” for B.Tech. students. The course may be considered equivalent to summer training, wherever applicable. The course fee is proposed to be ₹2,000 per student.
6. To review and update the curriculum and syllabus of the M.Tech. Civil Engineering programme (Structural and Construction Engineering).
7. To discuss any other matter with the permission of the Chair.

The following points were discussed in BoS:

1. B.Tech. Curriculum Revision as per NEP-2020 and AICTE Guidelines

The external experts and members of the Board of Studies unanimously resolved that the revised B.Tech. Civil Engineering curriculum should be designed in strict accordance with the latest guidelines issued by AICTE and the National Education Policy (NEP-2020). The following recommendations were made by the experts and approved by the Board:

i. Distribution of Major Courses up to the Sixth Semester

The Board recommended that the majority of core and major courses should be offered up to the sixth semester. This approach will facilitate a balanced distribution of academic workload and enable systematic unit-wise coverage of the syllabus.

The members also observed that several courses have extensive syllabi, making it difficult to ensure adequate coverage through examinations. Therefore, it was recommended that external question papers be moderated to maintain uniformity in examination standards and ensure appropriate coverage of course outcomes.

ii. Evaluation of MOOC Courses

The Board deliberated extensively on the evaluation mechanism for MOOC courses and recommended that the assessment and evaluation of such courses should be conducted internally by the University rather than relying solely on the evaluation carried out by external MOOC platforms or centralized agencies.





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Rationale for the Recommendation:

- Internal evaluation by the University will provide greater flexibility in assessment and is expected to reduce the percentage of student failures.
- There is no assurance that a particular MOOC course offered in one semester will be available in subsequent semesters. Consequently, students who fail such courses may face difficulties in clearing backlogs.
- A high failure rate in MOOC courses may adversely affect students' overall academic performance and could delay the completion of degree requirements.
- Excessive failures in MOOC courses may negatively impact the academic image and reputation of the University.
- Internal evaluation will enable the University to maintain consistency in assessment standards and ensure effective monitoring of student performance.

After detailed deliberation, the Board unanimously recommended that an appropriate provision be incorporated into the Academic Regulations to facilitate the internal evaluation of MOOC courses by the University.

iii. Rationalization of English Courses

The Board observed that if two English courses offered in consecutive semesters contain substantially similar content, they should be merged and offered within the same semester. The Communication Laboratory course may subsequently be scheduled in the following semester to ensure better academic sequencing, effective utilization of teaching resources, and enhanced learning outcomes.

2. The Board deliberated on the proposal to introduce the specializations “Structural Engineering,” “Transportation Engineering,” and “Artificial Intelligence Enabled Urban Infrastructure” in the B.Tech. Civil Engineering programme from the academic session 2026–27 onwards.

After detailed discussions, the external experts and members of the Board of Studies unanimously approved the proposal, observing that the introduction of these specializations will enhance the employability of students, align the curriculum with emerging industry requirements, and provide opportunities for advanced learning in specialized domains of Civil Engineering.





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3. The Board considered the proposal to introduce Minor Degree Programmes in “Structural Engineering” and “Artificial Intelligence Enabled Urban Infrastructure”, which will be open to students from other engineering disciplines, including Electrical Engineering (EE), Electronics and Communication Engineering (ECE), Mechanical Engineering (ME), and Computer Science and Engineering (CSE).

It was resolved that interested students may earn a Minor Degree by completing an additional 20 credits through five specialized courses (Theory + Practical), each carrying 4 credits. The Board unanimously approved the proposal.

4. The proposal to introduce B.Tech. Honors Programmes in “Automation in Sustainable Infrastructure” and “Structural Health Monitoring” was discussed and deliberated upon.

The Board resolved that Civil Engineering students may pursue the Honors Programme by earning an additional 20 credits through five specialized courses (Theory + Practical) of 4 credits each. The experts observed that these emerging areas would provide students with advanced technical knowledge and improve their readiness for higher studies, research, and industry-oriented careers. The proposal was unanimously approved.

5. The Board considered the proposal to introduce a two week Value-Added Course (VAC) titled “Revit Architecture” in the B.Tech. curriculum.

The external experts noted that the course would provide students with practical exposure to Building Information Modeling (BIM) tools and industry-relevant software skills. It was further proposed that the course may be considered equivalent to an internship/summer training component, wherever applicable.

After deliberation, the Board unanimously approved the introduction of the course. The course fee was finalized as ₹2,000 per student.

6. (i) The modifications in mentioned below subjects in the M.Tech curriculum was done. Since the changes are less than 20%, So there was no need to revise subject code.

S.No.	Course name and code
1.	Advanced Pre-stressed Concrete Design (MSCE111)
2.	FEM in Structural Engineering (MSCE202)

(ii) The modifications in mentioned below subjects in the M.Tech curriculum was done. Since the changes are more than 20%, So there was need to revise subject code and changes has been made and marked with yellow color in Annexure IV.





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S.No.	Course name and code	Old Code	New Code
1.	Structural Dynamics	(MSCE201)	(MSCE221)
2.	Advance Structural Analysis	(MSCE101)	(MSCE111)

(iii) Replace the 'Open Elective' course with 'Department Elective-V' in the third semester of the M.Tech program

The members appreciated the efforts of the Department in aligning the curriculum with NEP and AICTE guidelines. The above recommendations were approved and forwarded for consideration and approval by the Academic Council. The revised PSES of B.Tech. in civil engineering is enclosed as Annexure V.

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

Dr. Ashish Simalti

HoD, CE

Prof. S.S. Gupta

(External Expert)

Prof. R. K. Dwivedi

Dean, FOE

Dr. R K Jain

(Member, BoS)

Mr. Arun Kumar Pipersenia

(Member, BoS)

Mr Ankit Varshney

(Member, BoS)

Mrs Nikita Jain

(Member, BoS)



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