

SHRI G.S. INSTITUTE OF TECHNOLOGY AND SCIENCE, INDORE (M.P.) -3
CIVIL ENGINEERING AND APPLIED MECHANICS DEPARTMENT

No.: CE-AMD/HOD/RKK/BOS-MINUTES/2025/

Dated: 26-09-2025

**MINUTES OF BOARD OF STUDIES OF CIVIL ENGINEERING & APPLIED
MECHANICS HELD ON 25-09-2025.**

A meeting of Board of Studies of Civil Engineering & Applied Mechanics Board was held on 25-09-2025 at 04: 00 PM.

Following Members were present:

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|--------------------------|---|---|
| 1. Dr. R.K. Khare | : | Member (HOD, CEAMD) |
| 2. Dr. Sandeep Choudhary | : | External Member (Professor, IIT Indore) |
| 3. Er. Govind Parchani. | : | External Member (Ex-Chief Engineer, R.R.C.A.T., Indore) |
| 4. Dr. Deepak Khare | : | External Expert (Outside Parent University) |
| 5. Prof Y. D. Patil | : | External Expert (Outside Parent University) |
| 6. Dr. Abhay Gupta | : | Industrial Expert |
| 7. Dr. S.M. Narulkar | : | Member |
| 8. Dr. H.K. Mahiyar | : | Member |
| 9. Dr. S.B. Ajmera | : | Member |
| 10. Prof. M.K. Laghate | : | Member |
| 11. Prof. S.K. Ahirwar | : | Member |
| 12. Prof. V. Tiwari | : | Member |

The following members could not attend the meeting

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|--------------------------|---|-------------------|
| 1. Mr. Arnav Jain | : | Industrial Expert |
| 2. Prof. Devendra Dohare | : | Member |
| 3. Prof. T.K. Narnaure | : | Member |

At the outset the Chairman welcomed all the members.

The deliberations of the meeting are summarized below:

1. Item No. 1 : To discuss and approve the common B.Tech Scheme across all branches from II to IV year.

The Board deliberated on the proposal to implement a common B. Tech scheme across all branches from second to fourth year. During the discussion, members noted that in the proposed scheme, Theory and Laboratory courses are combined into single units, which presents challenges for Outcome-Based Education (OBE) implementation. It was observed that for proper OBE calculation, separate treatment of theory and practical components is essential since course outcomes differ between these components, with theory courses typically having 5 Course Outcomes (COs) while practical courses have 2-3 Course Outcomes (COs).

The Board further observed that the AICTE Model Curriculum and the proposed scheme are not directly comparable, making it difficult to assess alignment with national standards. Members recommended conducting a comprehensive brainstorming session involving Board of Studies members and Heads of Departments (HODs) to address these concerns before presenting any refined proposal to the Academic Council.

Additionally, the Board acknowledged that the existing curriculum scheme was recently revised in accordance with the National Education Policy (NEP) 2020. Members suggested that the institution should allow for complete implementation of the current NEP 2020-aligned scheme and gain sufficient experience with its execution before planning any further curriculum revisions.



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In light of above, This item was deferred. The Board decided to conduct a detailed brainstorming session with HODs before proceeding with any modifications to the current scheme.

2. Item No. 2 : To start the UG program in Civil Engineering with the intake of 60 in Hindi medium.

The Board reviewed the proposal to initiate an undergraduate program in Civil Engineering with an intake of 60 students in Hindi medium. During deliberations, members examined the historical development and current challenges of the Civil Engineering department's infrastructure and capacity.

The Board noted that the department was originally established with an intake of 60 students for B.E. Civil Engineering only. Subsequently, the department expanded to offer postgraduate courses in Structural Engineering, Transportation Engineering, Water Resources Engineering, and Environmental Engineering, with the same infrastructure along with the addition of Water Resources Engineering Laboratory and Structural Engineering Laboratory. Members observed that the existing infrastructure was insufficient to accommodate both the 60 undergraduate students and four streams of postgraduate programs, though the department managed to conduct classes and laboratory sessions despite these constraints.

The Board acknowledged that the intake was later reduced from 60 to 30 students per year to address infrastructure limitations, but was subsequently increased again to 60 and then to 120 students. However, the department could not effectively manage 120 students and had to reduce the intake back to 90 for the undergraduate course.

Members expressed serious concern about the current admission practices, noting that instead of the approved 90 students, the institute has admitted 113 students at the first-year level, with an additional 9 lateral entry students, bringing the total to 122 students using the same infrastructure. This situation creates significant problems in the smooth conduct of classes, forcing the department to conduct single-section classes for approximately 140 students, including backlog students.

The Board further noted that current AICTE norms require students to be guided for their postgraduate thesis dissertation work and undergraduate dissertation work in unique current areas of the subject, which demands regular faculty as well as infrastructure with modern equipment and latest software.

In light of the infrastructure constraints, faculty limitations, and quality education concerns, the Board of Study is not accepting for starting a new UG course in Hindi medium. Instead, the Board strongly recommends reducing the intake of the existing B.E. Civil Engineering course from 90 to 60 students to ensure quality education delivery with the available infrastructure and regular faculty members.

3. Item No. 3: Introduction of New Courses or changes in any courses in the existing scheme.

No new course is Introduced. Following changes in existing courses are recommended by Board of studies:

(i): Regarding Undergraduate Programs w.e.f. Session 2026-2027

A discussion was held among B.O.S. Members and changes were proposed in the various syllabi of U.G. subjects as mentioned below.

1. In B.Tech IV Year, semester VII in CE41006 Design of Hydraulic Structures slight changes in the Theory and Practical syllabus has been revised. The contents of subject Design of



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Hydraulic Structures are proposed for relevance to current practice and the existing and proposed syllabus are enclosed in (Annexure I).

2. In B.Tech III Year, semester V in CE31010 Water Resources Engineering syllabus has been revised. The contents of subject Water Resources Engineering are proposed for relevance to current practice and the existing and proposed syllabus are enclosed in (Annexure II).
3. In B.Tech II Year, semester III in CE21012 Geodesy syllabus has been revised. The contents of subject Geodesy are proposed for relevance to current practice and the existing and proposed syllabus are enclosed in (Annexure III).

(ii) Regarding Undergraduate Programs w.e.f. Session 2025-2026

4. In B.Tech II Year, semester IV in CE21518 Engineering Geology syllabus has been revised. The contents of subject Engineering Geology are proposed for relevance to current practice and the existing and proposed syllabus are enclosed in (Annexure IV).

(iii): Regarding Post Graduate Programs w.e.f. Session 2025-2026.

1. In M.Tech Environmental Engineering the syllabus of Elective-III CE59712 Environmental Impact Assessment, Case Study & Env. Laws & Policy has been revised to the level of 10%. The contents of subject Environmental Impact Assessment, Case Study & Env. Laws & Policy are proposed for relevance to content practice and the existing and proposed syllabus are enclosed in (Annexure V).
2. In M.Tech Environmental Engineering the syllabus of CE59751 Solid Waste Management has been revised to the level of 10%. The contents of subject Solid Waste Management are proposed for relevance to content practice and the existing and proposed syllabus are enclosed in (Annexure VI).

Meeting ended with a vote of thanks to Chair.



**Professor & Head, CE-AMD
Chairman, BOS, CE-AMD Board**