

CIVIL ENGINEERING AND APPLIED MECHANICS DEPARTMENT

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

Dated: 03-07-2025

MINUTES OF BOARD OF STUDIES OF CIVIL ENGINEERING & APPLIED
MECHANICS HELD ON 01-07-2025.

A meeting of Board of Studies of Civil Engineering & Applied Mechanics Board was held on 01-07-2025 at 04: 00 PM in the board room of the department.

Following Members were present:

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| 1. Dr. S.M. Narulkar | : Member (HOD, CEAMD) |
| 2. Er. Govind Parchani, RRCAT Indore | : P.G Meritorious Alumnus |
| 3. Dr. Abhay Gupta, Skeleton Consultant Indore | : Industrial Expert |
| 4. Dr. Deepak Khare, IIT Roorkee | : Subject Expert (Outside Parent University) |
| 5. Dr. R.K. Khare | : Member |
| 6. Dr. H.K. Mahiyar | : Member |
| 7. Dr. S.B. Ajmera | : Member |
| 8. Prof. M.K. Laghate | : Member |
| 9. Prof. Devendra Dohare | : Member |
| 10. Prof. S.K. Ahirwar | : Member |
| 11. Prof. V. Tiwari | : Member |
| 12. Prof. Tarun Kumar Narnaure | : Member |

The following members could not attend the meeting

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| 1. Dr. Sandeep Choudhary, IIT Indore | : External Expert (VC, Nominated Member) |
| 2. Prof Y. D. Patil, SVNIT Surat | : Subject Expert (Outside Parent University) |
| 3. Mr. Arnav Jain, Techture Structure Indore | : Industrial Expert |

At the outset the Chairman welcomed all the members.

The deliberations of the meeting are summarized below:

1. Item No. 1 : Introduction of new courses or change in any course in the existing scheme.

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

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 I Year, semester I/II in CE10013 Fundamental of Civil Engineering & Applied Mechanics the syllabus has been revised. The contents of subject Fundamental of Civil Engineering & Applied Mechanics are proposed for relevance to current practice and the existing and proposed syllabus are enclosed in (Annexure I).

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

1. In M.Tech Transportation Engineering the syllabus of CE 51xxx Bridge and Tunnel Engineering has been revised to the level of 10%. The contents of Subject Bridge and Tunnel Engineering are proposed for relevance to current practice and industrial demand and the existing and proposed syllabus are enclosed in (Annexure II).
2. 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 water are proposed for relevance to content practice and the existing and proposed syllabus are enclosed in (Annexure III).

2. Item No. 2: Vision & Mission of the Department, PO, PEOs, PSO discussion for change

The Vision & Mission of the department was modified to align with the institute. Detailed discussions were held on the existing Program Outcomes (POs), Program Educational Objectives (PEOs), and Program Specific Outcomes (PSOs) for all programs. Based on industry requirements and academic standards, necessary modifications were proposed and finalized are enclosed in (Annexure IV)

3. Item No. 3: GATE/Competitive Exam preparation plan for students.

A comprehensive plan for GATE and other competitive exam preparation was presented to enhance student success rates. Extra classes will be conducted from 4-6 PM, focusing on competitive exam preparation beyond the university syllabus. Faculty members will be assigned mentoring roles to guide students with dedicated coaching sessions, mock tests, and study materials provision.

4. Item No. 4: PG admission, comment of the expert on attracting students.

A focused discussion with industry experts explored strategies to boost PG program enrolment. Members highlighted the need for targeted awareness campaigns and enhanced industry partnerships to attract high-quality applicants. They emphasized the importance of showcasing research opportunities and strong placement records to prospective candidates. Recognizing that placement outcomes heavily influence admission decisions, experts advised the proactive involvement of select alumni to expand internship offerings and bolster placement performance. Through alumni-driven mentorship, real-world exposure, and networking opportunities, stronger internships will lead to superior placement results and in turn, significantly increase student interest and enrolment.

5. Item No. 5: Evaluation scheme for Open Elective in VIII Semester.

Two open elective audit courses are to be offered in VIII Semester from this session as per the scheme passed in last Academic Council. Evaluation of these courses will be done internally by assigning the mentor in the department.

6. Item No. 6: Minor/ Honors Degree: Scheme proposal (AI/ Data Science/Structural Design/ CTM etc.)

The committee discussed the implementation of minor degree programs in Artificial Intelligence, Data Science, Structural Design, and Construction Technology & Management etc. Students who score more than 75% in their first year will be eligible for the minor/honors degree course, and The department will award an honors degree to those students who opt for the civil engineering course, and a minor degree will be awarded to those students who opt for other degree courses. The Artificial Intelligence, Data Science or other courses curriculum will be adapted from respective department. The department has prepared the minor degree scheme for Structural Design and Construction Technology & Management, and will also consider any scheme for minor/honors degree from the list provided by AICTE. Members provided valuable suggestions on industry-relevant content and practical exposure requirements for effective implementation. Proposed Scheme of Minor/Honors Degree courses are enclosed in (Annexure V).

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