

# SHRI G.S. INSTITUTE OF TECHNOLOGY AND SCIENCE, INDORE (M.P.)

## CIVIL ENGINEERING AND APPLIED MECHANICS DEPARTMENT

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

Date: 03-07-2025.

### MINUTES OF DPAQIC OF CIVIL ENGINEERING & APPLIED MECHANICS HELD ON 01-07-2025.

A meeting of DPAQIC of Civil Engineering & Applied Mechanics Department was held on 01-07-2025 at 11:30 AM for different program of the department.

#### 1. UG Program:

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|------|--|---|------------|
| i.   | Dr. S.M. Narulkar  | : Head of the Department CE-AMD           | : Chairman |
| ii.  | Dr. Arun Parakh  | : Senior faculty of aligned program       | : Member   |
| iii. | Dr. Akhil Upadhyay   | : Sr. Faculty of other academic institute | : Member   |
| iv.  | Er. G. Parchani  | : Expert from industry, RRCAT, Indore     | : Member   |
| v.   | Er. J.K. Jain  | : Alumni SGSITS Indore                    | : Member   |
| vi.  | All regular and contract faculty members, CEAMD of the programme |   |            |

#### 2. PG Program:

##### Structural Engineering:

- |       |                      |   |            |
|-------|----------------------|---|------------|
| i.    | Dr. S.M. Narulkar    | : Head of the Department CE-AMD           | : Chairman |
| ii.   | Dr. Manoj Chouksey   | : Senior faculty of aligned program       | : Member   |
| iii.  | Dr. Y.D. Patil       | : Sr. Faculty of other academic institute | : Member   |
| iv.   | Dr. Abhay Gupta      | : Expert from industry                    | : Member   |
| v.    | Er. J.K. Jain        | : Alumni SGSITS Indore                    | : Member   |
| vi.   | Dr. Vijay Rode       | : Alumni SGSITS Indore                    | : Member   |
| vii.  | Dr. H.K Mahiyar      | : Senior faculty of the Program           | : Member   |
| viii. | Dr. R.K Khare        | : Senior faculty of the Program           | : Member   |
| ix.   | Prof. M.K. Laghate   | : Senior faculty of the Program           | : Member   |
| x.    | Dr. S.K. Ahirwar     | : Senior faculty of the Program           | : Member   |
| xi.   | Prof. Vivek Tiwari   | : Faculty of the Program                  | : Member   |
| xii.  | Prof. Mahesh Chandra | : Faculty of the Program                  | : Member   |
| xiii. | Prof. Krishna Verma  | : Faculty of the Program                  | : Member   |

##### Transportation Engineering:

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|-------|----------------------|---|------------|
| i.    | Dr. S.M. Narulkar    | : Head of the Department CE-AMD           | : Chairman |
| ii.   | Dr. Vinod Pare       | : Senior faculty of aligned program       | : Member   |
| iii.  | Dr. Ashish Verma     | : Sr. Faculty of other academic institute | : Member   |
| iv.   | Er. Y.S. Pawar       | : Expert from industry                    | : Member   |
| v.    | Dr. (Mrs.) V. Tare   | : Alumni CEAMD                            | : Member   |
| vi.   | Dr. H.K Mahiyar      | : Senior faculty of the Program           | : Member   |
| vii.  | Dr. S.K. Ahirwar     | : Senior faculty of the Program           | : Member   |
| viii. | Prof. Tarun Narnaure | : Faculty of the Program                  | : Member   |
| ix.   | Prof. Nikita Verma   | : Faculty of the Program                  | : Member   |
| x.    | Prof. Namrata Khede  | : Faculty of the Program                  | : Member   |

##### Environmental Engineering:

- |      |                       |   |            |
|------|-----------------------|---|------------|
| i.   | Dr. S.M. Narulkar     | : Head of the Department CE-AMD           | : Chairman |
| ii.  | Dr. Sachin Balsara    | : Senior faculty of aligned program       | : Member   |
| iii. | Dr. Sanjeev Chaudhary | : Sr. Faculty of other academic institute | : Member   |
| iv.  | Er. H.V. Tilwankar    | : Expert from industry                    | : Member   |
| v.   | Dr. D.J. Killedar     | : Alumni CEAMD                            | : Member   |
| vi.  | Prof. Devendra        | : Senior faculty of the Program           | : Member   |

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vii.	Prof. Shruti Bajapi	: Faculty of the Program	: Member
viii.	Prof. Soumya Saklecha	: Faculty of the Program	: Member
<b><u>Water Resource &amp; Environmental Engineering:</u></b>			
i.	Dr. S.M. Narulkar	: Head of the Department CE-AMD	: Chairman
ii.	Dr. B.S. More	: Senior faculty of aligned program	: Member
iii.	Dr. Deepak Khare	: Sr. Faculty of other academic institute	: Member
iv.	Dr. Manish Goyal	: Sr. Faculty of other academic institute	: Member
v.	Dr. Mukesh Chouhan	: Expert from Industry	: Member
vi.	Dr. R.K. Srivastava	: Alumni CEAMD	: Member
vii.	Dr. S.B. Ajmera	: Senior faculty of the Program	: Member
viii.	Prof. Rakesh Purviya	: Faculty of the Program	: Member

At the outset, Dr. S. M. Narulkar, Prof. & Head, CE&AMD welcomed all the external members and provided introduction about the department and brief idea about the Vision & Mission of the institute aligned with Vision & Mission of the department, PO's, PEO's, PSO's, Schemes etc. Dr. S.M. Narulkar also discussed the seven criteria in detail which are mentioned in SSR for NAAC on departmental level.

**The deliberations of the meeting are summarized below:**

**Item No. 1: To present the Annual Quality Assurance report of year 2024-25.**

Annual Quality Assurance Report of Year 2024-25 based on the following Criteria was presented and discussed in the meeting (Attached as Part-A & Part-B):-

- Criterion I – Curricular Aspects
- Criterion II – Teaching Learning and Evaluation
- Criterion III – Research, Innovations and Extension
- Criterion IV – Infrastructure and Learning Resources
- Criterion V- Student Support and Progression
- Criterion VI – Governance, Leadership and Management
- Criterion VII–Institutional Values and Best Practices

**Item No. 2: Program Outcome (PO) Attainment presentation**

The Program Outcome attainment for all UG programs was presented to the committee members. The presentation included a detailed analysis of direct and indirect assessment methods used for measuring PO attainment. Faculty members explained the assessment rubrics and mapping of course outcomes with program outcomes for effective evaluation.

**Item No. 3: Vision & Mission of the Department, PO, PEOs, PSO discussion for change**

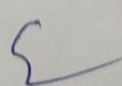
The Vision & Mission of the department was modified to align with the institute. Detailed discussions were held on the existing Program Outcomes (POs), Program Educational Objectives (PEOs), and Program Specific Outcomes (PSOs) for all programs. Based on industry requirements and academic standards,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

**Item No. 4: Feedback analysis and action taken**

Student Exit Feedback Analysis was presented, highlighting key concerns regarding course duration, software integration, and practical exposure. Actions implemented include mandatory software training through departmental clubs, MoUs with construction firms for site visits, and standardized internship evaluation rubrics. Proposals for incorporating industry-relevant software like ETABS, STAAD, and AutoCAD into the curriculum have been submitted to the Board of Studies for approval.

**Item No. 5: PG admission, comment of the expert on attracting students**

A discussion on strategies to enhance PG program Enrolment was conducted with valuable inputs from industry experts. Members suggested organizing awareness programs and improving industry collaboration to attract quality students. Recommendations included showcasing research opportunities and placement records





to prospective candidates.

**Item No. 6: Evaluation scheme for Open Elective in VIII Semester.**

A proposal for introducing new open elective courses in the VIII semester was presented and discussed. The committee reviewed the relevance of proposed electives in current industry trends. Members emphasized the need for interdisciplinary courses to broaden student perspectives and enhance employability.

**Item No. 7: 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.

**Item No. 8: 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.

**Item No. 9: Path India Limited present their Industry oriented course.**

Representatives from Path India Limited were also invited to present their Industry oriented course for improvement of employability of the students post degree. This initiative is taken under RISHTA scheme of skill development. Mr. Manoj Dube presented the various modules and their split in 225 hours with 10 credits of which 60 to 70 percent content is of the field oriented Practical Training. The module is really commendable.

**Suggestions by Members:**

**The suggestions provided by external members are summarized below:**

**1. Dr.V. Rode**

He suggested that PG students can be attracted through advertisements by student clubs, WhatsApp groups of alumni, final year UG students, advice from pass-outs, and even MBA students' feedback for better outreach and enrolment.

**2. Er.Himanshu Tilwankar**

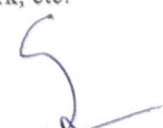
He suggested to register our Institute as an auditor in the CPCB for the implementation of the Circular Economy. He also pointed out that there is a funding from central government for seminars of industry experts/ specialists in the field of environmental engineering.

**3. Mr. Arjait Pury**

He suggested that entrepreneurial activities must be added in Academic curriculum related to civil engineering domain. He also suggested career counselling sessions from II year by which students may have clarity towards their career path.

**4. Mr. Y.S Pawar**

He suggested that Minor and Major Projects should be based on existing roads, bridges, and similar infrastructure. Students should also conduct site visits to locations where work is in progress, such as flexible and rigid pavement construction, bridge construction, PSC (Pre-Stressed Concrete) work, etc.

  
(Dr. S.M. Narulkar)  
Professor & Head, CE-AMD