

**School of Core Engineering
Department of Civil Engineering****11.11.2025****Minutes of Department Academic Advisory Committee**

The Department of Civil Engineering conducted the Department Academic Advisory Committee (DAAC) meeting for the B. Tech in Civil Engineering program on 11.11.2025 at 02:00 PM in AFF-16, First Floor, U Block, VFSTR.

The following members were present:

S.No	Name of the Member	Designation
1	Dr. P. Sundara Kumar	Associate Professor & Head Dept. of Civil, VFSTR.
2	Dr. A. Siva Sankar	Professor, Dept. of Civil, VFSTR.
3	Dr. M. V. Raju	Assistant Professor, Dept. of Civil, VFSTR.
4	Dr. P. Parthiban	Assistant Professor, Dept. of Civil, VFSTR.
5	Dr. J. Gopala Rao	Assistant Professor, Dept. of Civil, VFSTR.
6	Dr. A. V. A. Bharat Kumar	Assistant Professor, Dept. of Civil, VFSTR.
7	Dr. P. Rakesh	Assistant Professor, Dept. of Civil, VFSTR.
8	Mr. M. Anirudh	Assistant Professor, Dept. of Civil, VFSTR.
9	Mr. D. Ravikanth	Assistant Professor, Dept. of Civil, VFSTR.
10	Mr. K. Bala Gopi Krishna	Assistant Professor, Dept. of Civil, VFSTR.

Head of the Department Dr. P. Sundara Kumar initiated the meeting by welcoming all the members and handed over the session to Mr. K. Bala Gopi Krishna, Assistant Professor and Member Secretary for the DAAC.

The following points were discussed in the Department Academic Advisory Committee Meeting:

1. To discuss the introduction of new M. Tech. Program in "Smart and Sustainable Construction Structures".
2. Approval of Honor / Minor / Department Elective / Open Elective courses, if any, that were not approved earlier.
3. Discussion of results — FA, SA, grades, and correlation of results announced after the previous BoS meeting.

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4. Approval of SWAYAM–NPTEL courses / Ratification of previously approved courses.
5. Discussion on attainments — process, rubrics, and mapping of COs, POs, PSOs, and SO values. (Last semester attainment)
6. Presentation by two faculty members on Best Practices of Formative Assessment. (Pre-T1, T1, T2, T3, and T5)
7. Discussion on workshops, conferences, and other academic activities organized by the department.
8. Any other points with the permission of the Chair.

1. Introduction of new M. Tech. Program in “Smart and Sustainable Construction Structures”

- ✓ The committee examined the overall curriculum structure, credit distribution, and semester-wise workload, including lecture (L), tutorial (T), practice (P), self-learning (SL), and credits (C).
- ✓ The committee positively noted the strong focus on emerging areas such as sustainable construction, smart infrastructure, BIM, IoT, structural health monitoring, and digital construction management.
- ✓ The balanced mix of professional core courses, department electives, interdisciplinary courses, projects, internships, and MOOCs was found to be aligned with AICTE and NBA guidelines.
- ✓ The committee appreciated the project-centric structure in the second year, with industry-supported internships enhancing research orientation and employability.
- ✓ The list of Department Electives was reviewed and found to be relevant, contemporary, and industry-oriented, covering automation, AI, green construction, disaster resilience, and low-carbon technologies.

2. Approval of Department Elective Course & Honor Stream

- ✓ Dr. P. Rakesh, prepared the syllabus has presented the course of Modern Approaches in Pre-Engineered Buildings. The DAAC members appreciated the UG-level structure of the syllabus and recommended the inclusion of a laboratory component.
- ✓ Dr. M. V. Raju, has presented his honor stream “Environmental Engineering” consists of four courses, the DAAC meeting resolved to approve the Environmental Engineering stream with minor revisions in practices and format.

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- ✓ The DAAC approved the above elective and honor stream, and the same shall be presented in the forthcoming Board of Studies meeting.

3. Discussion of results

- ✓ The DAAC has reviewed the academic performance of B. Tech II, III, and IV year students based on the semester-wise result analysis for 2024-25 II Semester and 2025-26 I Semester.
- ✓ The committee noted that the overall pass percentage across semesters ranged between satisfactory and excellent levels, with final-year courses achieving 100% pass results.
- ✓ The committee appreciated the efforts of faculty members in maintaining academic standards and effective assessment practices. However, it was observed that a few core subjects in the lower semesters showed comparatively lower performance and the presence of 'R' and 'I' category students.
- ✓ The committee discussed the reasons for this trend and recommended remedial classes, additional tutorial sessions, and focused mentoring for slow learners.

4. Approval of SWAYAM-NPTEL courses

- ✓ The NPTEL Coordinator Mr. K. Bala Gopi Krishna has presented the list of courses offered by NPTEL. The committee approved these courses as Open Electives for II B. Tech II Semester students.

S. No	Course ID	Course Name	No. of Weeks	No. of Credits
1	noc26-cs86	Data Analytics with Python	12	3
2	noc26-ge38	Non-conventional Energy Resources	12	3
3	noc26-mg11	Business Fundamentals for Entrepreneurs	12	3
4	noc26-ge06	Climate Risk, Adaptation and Sustainable Development	12	3
5	noc26-cs76	Machine Learning for Engineering and Science Applications	12	3

Table 1: Open Elective Courses offered for II B. Tech

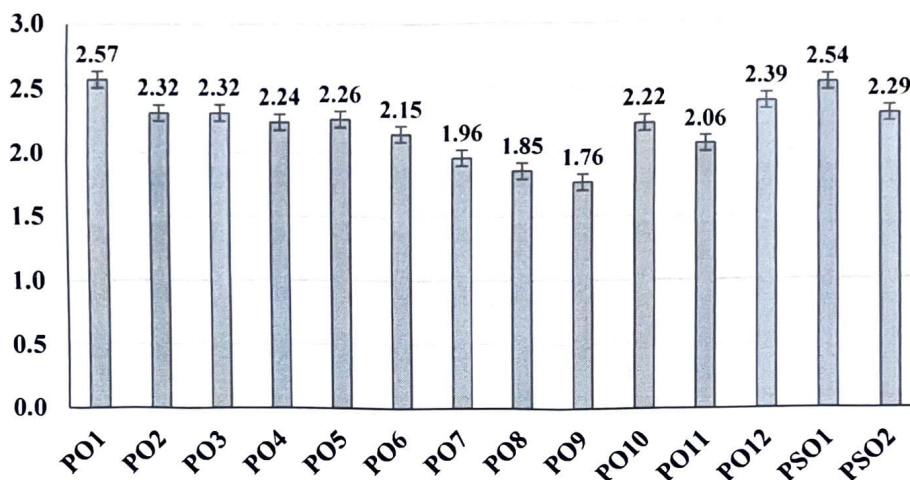
5. Discussion on attainments

- ✓ Dr. P. Rakesh, Attainment Coordinator, presented the course attainments for the A.Y. 2024-25, II Semester courses.

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- ✓ The committee noted that all courses achieved very good attainment, and the HoD advised maintaining the same standards in subsequent semesters.

PO Direct attainment for the last semester



6. Best Practices of Formative Assessment

- ✓ The committee observed that the T1 question papers were well-designed, with appropriate coverage of syllabus and alignment with course outcomes.
- ✓ It was suggested that T2 and T3 assessments may be further improved by including a problem-solving and critical thinking skills.
- ✓ The use of case-based and real-world application questions in T2 and T3 was suggested to enhance students' understanding.
- ✓ The committee advised timely feedback and post-test discussion after each formative assessment to help students identify gaps and improve performance.
- ✓ Mapping of all formative assessment questions to Course Outcomes (COs) was appreciated and recommended to be continued.

7. Discussion of Research Activities

- ✓ Dr. J. Gopala Rao, BoR Member of the Department of Civil Engineering, presented the activities carried out during the calendar year 2025. The proposed schedule of academic, co-curricular, and extension activities for the upcoming calendar year was also presented.
- ✓ The activities included academic initiatives, faculty development programs, student skill-enhancement activities, industry interactions, and outreach programs.

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- ✓ The committee appreciated the systematic planning and timely execution of the activities during the calendar year.
- ✓ Emphasis was laid on aligning future activities with Program Outcomes (POs), SDGs, and industry relevance.
- ✓ The committee suggested increasing industry-academia interactions, expert lectures, and hands-on workshops in the forthcoming schedule.
- ✓ Focus was recommended on encouraging student participation in competitions, research, and innovation-based activities.
- ✓ The proposed schedule for the upcoming calendar year was reviewed and approved by the committee.

**Fig.1: Civil Engineering Department Academic & Professional Activities
Annual Plan (2026)**

Month	WK-1	WK-2	WK-3	WK-4 / WK-5
January	Workshop: Bridging Design & Construction (PEB)	Workshop: Building Drafting using AutoCAD		Guest Lecture: Writing High-Impact Q1 & Q2 Journal Papers
February	Industrial Visit: Railway Track Components	Industry Guest Lectures / Webinar	Training: Structural Computation Software	
March	PhD DCM (Cycle-II)	National Workshop: Field Applications	Guest Lecture/Webinar: IoT in Civil Engg	
April	Industrial Visit		Training: Primavera Software (APSSDC)	
May	Guest Lecture: AI & ML in Civil Engineering			National Conference & Symposium
June				FDP: AI-Driven Structural Health Monitoring
July			Field Visit: Construction Site / Pre-Cast Industries	
August			Field Visit: VFSTR Construction	
September		Webinar: Environmental Impact Assessment		
October	Guest Lecture: AI & ML in Civil Engg	Workshop: Revit / AutoCAD (APSSDC)		FDP: Smart Urban Infrastructure
November		Field Visit: Capital City – Amaravathi	International Conference	
December		Workshop: Advanced Hydrology & Remote Sensing	Workshop: Structural Design using STAAD Pro (APSSDC)	

8. Additional Points

- ✓ The HoD appreciated all the faculty members for their collective efforts and dedication in securing NBA Accreditation for a period of three years. The HoD encouraged the faculty to sustain the same standards of academic quality, outcome-based education, and continuous improvement in the forthcoming semesters.
- ✓ The session was handed over to the HoD, who announced that Dr. A. Siva Sankar will be the Internship Coordinator and Dr. J. Gopala Rao and Dr. P. Rakesh will be the Project Coordinators for the upcoming semester. The HoD instructed the

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Internship and Project Coordinators to strengthen industry interaction and ensure meaningful student engagement.

- ✓ The HoD advised all coordinators and faculty members to ensure timely planning and execution of academic, laboratory, internship, and project activities.
- ✓ Emphasis was laid on maintaining quality in teaching-learning processes and continuous improvement based on attainment analysis.
- ✓ Faculty members were encouraged to align academic activities with POs, PSOs, SDGs, and employability skills.
- ✓ The HoD appreciated the contributions of all committee members and faculty for their active participation and support.

Conclusion and Action Taken

- ❖ The DAAC approved the refined 4-Semester Curriculum along with industry-oriented measures and CO-PO-PSO mappings, and recommended the same for Board of Studies (BoS) approval.
- ❖ The committee approved the Department Elective courses and the Honors Stream proposed by the department and recommended the same for Board of Studies (BoS) approval.
- ❖ The result analysis for the current semester was reviewed and approved. The committee observed that the overall pass percentage across all courses was good and satisfactory.
- ❖ The committee reviewed and approved the implementation of SWAYAM-NPTEL open electives, academic attainments, and formative assessment practices.
- ❖ The annual academic and research activity plan of the department was reviewed and approved.
- ❖ The committee recommended the inclusion of laboratory components, minor revisions in course practices and formats, strengthening of formative assessment methods, and enhancement of industry interaction, which shall be implemented in forthcoming academic activities.
- ❖ Based on the DAAC recommendations, the committee approved the actions taken, including conduct of remedial and tutorial classes for slow learners, additional problem-



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solving sessions for numerically intensive courses, and academic counselling for 'R' category students through faculty mentoring.

- ❖ The committee resolved that the approved courses and academic streams shall be placed before the Board of Studies (BoS) in the next meeting for further consideration and approval.
- ❖ Course coordinators were instructed to ensure timely and effective implementation of academic delivery, internships, projects, and research activities, with emphasis on quality, outcome-based education, and continuous improvement in the forthcoming semesters.

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