

School of Core Engineering
Department of Civil Engineering**Date: 27.04.2025****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 27.04.2026 at 10:00 AM in HoD Conference hall, AFF-16, First Floor, U Block, VFSTR.

The following members were present:

S.No	Name of the Member	Designation
1	Dr. P. Sundara Kumar	Chairperson 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. V. Jayanth Krishna	Assistant Professor, Dept. of Civil, VFSTR.
11	Mr. K. Bala Gopi Krishna	Secretary 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. Review of R25C26 syllabus for M. Tech programme in Sustainable Smart Construction.
2. Review of Program Outcomes (PO) and Program Specific Outcomes (PSO) statements for the M. Tech program.

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3. Discussion on inclusion of AI Courses for the present R22C24, R25C25 & R26C26 Curricula.
4. Discussion on Module 1 result analysis and augmented learning strategies.
5. Course allocation for the next semester.
6. Submission of Course files for the present II semester of 2025-26.
7. Conduction of farewell to the final year students batch of 2022-26.
8. Events need to be organised for the next A.Y 2026-27, I-semester.
9. Any other points with the permission of the Chair.

Review of Syllabus for M. Tech. Program in “Smart and Sustainable Construction Structures”

- ✓ Dr. P. Parthiban, M.Tech Coordinator for the Sustainable Smart Construction programme, presented the complete syllabus prepared by faculty members under the proposed R25C26 regulations. All courses developed by the faculty members were displayed and discussed in detail before the committee.
- ✓ The faculty members reviewed each subject syllabus with respect to present industrial trends, employability requirements, outcome-based education, sustainability concepts, smart construction methodologies, and future technological developments.
- ✓ Considerable discussion took place regarding the inclusion of Artificial Intelligence (AI) content in selected core and advanced courses.
- ✓ Faculty members emphasized that AI-related practices should not remain theoretical in nature but should be incorporated into practical learning activities to help students understand real-time applications in civil engineering.
- ✓ Suggestions were made to include agentic AI-based practices, predictive analysis, intelligent decision-making tools, smart construction systems, sustainability assessment techniques, optimization tools, and digital workflows relevant to construction engineering.
- ✓ Apart from these additions, only a few minor modifications in content organization, topic sequencing, and technical presentation were proposed.

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- ✓ The committee thoroughly reviewed Course Outcomes (COs) and their mapping with Program Outcomes (POs) and Program Specific Outcomes (PSOs), and verified that the mappings were appropriate and aligned with programme objectives.
- ✓ Faculty members further suggested including updated web references, e-learning resources, standard references, and NPTEL course links in all subjects to support self-learning, improve academic quality, and encourage blended learning practices.
- ✓ After detailed deliberation, the committee approved the syllabus with minor revisions and resolved to forward the revised syllabus to the Board of Studies (BoS) for approval.

Review of Program Outcomes (PO) and Program Specific Outcomes (PSO) statements for the M.Tech programme

- ✓ The Program Outcomes (POs) and Program Specific Outcomes (PSOs) for the M.Tech programme in Sustainable Smart Construction were presented before the committee for review and verification.
- ✓ Faculty members carefully examined all outcome statements to ensure consistency with institutional goals, industry expectations, NBA guidelines, research orientation, and sustainable development requirements. The wording and presentation of each statement were reviewed in detail to improve clarity and readability.
- ✓ During the discussion, only minor grammatical corrections and language improvements were suggested without making any major conceptual modifications. Faculty members agreed that the present PO and PSO framework sufficiently reflected the vision, mission, and academic objectives of the programme.
- ✓ The committee approved the reviewed outcome statements and resolved to submit them to the Board of Studies (BoS) for further approval after incorporation of minor language corrections.

Discussion on inclusion of AI Courses for the present R22C24, R25C25 & R26C26 Curricula

- ✓ Dr. P. Rakesh explained that the institution is progressing towards becoming an Agentic AI-enabled campus and therefore integration of AI in all curricula has become essential. He presented the syllabus structures of different regulations and demonstrated how AI-based content had been integrated.

- ✓ The committee discussed in detail the importance of providing civil engineering-specific AI exposure rather than generic AI learning. Faculty members recommended inclusion of domain-based AI applications related to structural engineering, construction management, estimation, project scheduling, optimization techniques, smart city concepts, sustainability assessment, digital construction workflows, Building Information Modelling (BIM), and intelligent infrastructure systems.
- ✓ Faculty members suggested that students should be trained to use AI tools to solve civil engineering problems, generate technical reports, automate calculations, perform data analysis, and improve productivity. The proposed curriculum changes were reviewed positively and found suitable for improving students' technical readiness and employability.
- ✓ The Head of the Department stated that final-year students studying under current regulations may not fully benefit from future curriculum modifications and therefore suggested organizing a value-added course to introduce them to AI tools and emerging practices.
- ✓ The HoD requested Mr. K. Bala Gopi Krishna to coordinate and conduct a value-added training programme focused on AI tools applicable to civil engineering students. Faculty members were also instructed to incorporate AI usage in student mini-projects, major projects, assignments, and practical activities from the forthcoming semester onwards.

Module-I result analysis and augmented learning strategies

- ✓ Mr. K. Bala Gopi Krishna presented a comprehensive Module-I result analysis for all subjects. The report contained details of students scoring below 70%, including classification based on gender and residential status such as hostellers and day scholars to enable more focused academic interventions.
- ✓ Faculty members discussed the need for early identification of academically weak students and emphasized continuous mentoring and close monitoring.
- ✓ Various augmented learning strategies were proposed including remedial classes, slow learner classes, revision sessions, repeated practice exercises, tutorial sessions, doubt

Programmes, peer learning activities, mentoring support, and performance tracking mechanisms.

- ✓ Faculty members were requested to maintain close observation of students in their respective courses and ensure that identified students are provided adequate academic support to improve performance before the next module examination.
- ✓ The Head of the Department stressed the importance of student academic performance by highlighting that certain students had lost scholarship opportunities due to poor CGPA.
- ✓ Faculty members were requested to take special responsibility in helping students improve academic outcomes and ensure that students targeted under academic support mechanisms secure more than 70% marks in future assessments.

Course allocation for the next semester

- ✓ The Head of the Department presented the proposed course allocation for the forthcoming semester. The Board of Academics (BoA) displayed the list of subjects and faculty preferences for detailed review.
- ✓ Course allocation was finalized after considering faculty specialization, research interests, teaching expertise, prior experience in handling similar subjects, and academic requirements of the department. Faculty members appreciated the transparent and systematic process adopted for allocation.
- ✓ Faculty were advised to begin preparation of course materials, lesson plans, assessment plans, lecture notes, PPTs, and laboratory requirements in advance to ensure smooth and effective course delivery during the next semester.

Submission of Course Files for the present II Semester of 2025-26

- ✓ The committee discussed the timely submission of course files for the ongoing semester. Faculty members were informed that the semester was nearing completion and therefore all course files should be completed and submitted without delay.
- ✓ The Board of Academics instructed faculty members to submit course files on or before May 16th without incompleteness. It was emphasized that course files should include lesson plans, attendance records, assignment details, tutorial records, question papers,

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answer keys, result analysis, attainment records, CO-PO mapping, feedback reports, and all supporting academic documentation.

- ✓ Faculty members were further instructed to simultaneously prepare course files for the forthcoming semester since course allocation had already been completed.

Conduction of farewell to the final year students batch of 2022–26

- ✓ Dr. A. V. A. Bharat presented the detailed plan for conducting the farewell programme for final-year students of the 2022–26 batch. The programme schedule, event flow, faculty participation, student interaction sessions, cultural activities, and organizational responsibilities were discussed.
- ✓ Faculty members were requested to actively participate and support the event to ensure meaningful interaction with graduating students.
- ✓ The committee appreciated the efforts being made to organize a memorable farewell programme that recognizes student contributions and achievements during their academic journey.

Events to be organised for the next Academic Year 2026–27, I Semester

- ✓ Dr. J. Gopala Rao from the Board of Research (BoR) discussed the importance of conducting academic and professional development events during the upcoming academic year.
- ✓ The committee discussed the requirement of organizing one National Conference and one International Conference during the next academic year to strengthen research culture, institutional visibility, and academic networking opportunities.
- ✓ Faculty members were instructed to prepare a detailed plan of action for successful execution of these conferences.
- ✓ The HoD also advised planning seminars, workshops, guest lectures, industrial visits, FDPs, training programmes, and student development activities in alignment with the academic calendar.
- ✓ Faculty members were requested to prepare event proposals well in advance to ensure effective implementation and better student participation.



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Any other points with the permission of the Chair

At the conclusion of the meeting, the Head of the Department thanked all faculty members and DAAC committee participants for their active participation, valuable suggestions, and constructive discussions. The members collectively expressed commitment towards continuous curriculum improvement, student academic enhancement, AI integration, research development, and departmental growth.

Since no additional agenda points were raised, the Chair formally dissolved the meeting.

J. Balu Gopal Krishna
Member Secretary 27/4/26

Assistant Professor
Dept. of Civil Engineering
VFSTR (Deemed to be University)
Vadlamudi, Guntur-522213

P. S. K. M. 27/04/26
Head of the Department
Head
Department of Civil Engineering
Vignan's University
Vadlamudi, Guntur-522 213