

**Department of Electronics and Communication Engineering.**

**CIRCULAR**

**Circular for Department Academic Advisory Committee (DAAC)**

05-12-2025

The Department of ECE is going to conduct the DAAC meeting for B. Tech ECE, EE (VLSI Design and Technology) programs held on 10-12-2025 at MPMC Laboratory (VSF-19, 3:00 PM) 'H' block of VFSTR. The following DAAC members are requested to attend the meeting.

S. No	Name	Designation & Address	Role
1	Dr. M. Sarada	HoD, ECE Department, VFSTR Deemed to be University Mobile: +91 9441227700 Mail-id:hodece@vignan.ac.in drms_ece@vignan.ac.in	Chair Person
2	Dr. Y. Ravi Sekhar	Professor, Dean-SEECE VFSTR Deemed to be University Mobile: +91 99594 26768 Mail-id: dean_seec@vignan.ac.in dryrs_ece@vignan.ac.in	Dean SEECE
3	Dr. B. Seetha Ramanjaneyulu	Professor, ECE Department, VFSTR Deemed to be University Mobile: +91 94913 38854 Mail-id: drbsr_ece@vignan.ac.in	Professor
4	Dr. N. Usha Rani	Professor, ECE Department, VFSTR Deemed to be University Mobile: +91 94400 20660 Mail-id: drnur_ece@vignan.ac.in	Professor
5	Dr. M.S.S. Rukmini	Professor, ECE Department, VFSTR Deemed to be University Mobile: +91 98662 81571 Mail-id: drmssr_ece@vignan.ac.in	Professor
6	Dr. Sk. Jakeer Hussain	Professor, ECE Department, VFSTR Deemed to be University Mobile: +91 98668 75459 Mail-id: dean_pm@vignan.ac.in	Professor
7	Dr. T. Pitchaiah	Professor, ECE Department, VFSTR Deemed to be University Mobile: +91 94913 38854 Mail-id: drtp_ece@vignan.ac.in	Professor


8	Dr. M. Pachiyannan	Officiating Professor, ECE Department, VFSTR Deemed to be University Mobile: +91 94412 27700 Mail-id: <a href="mailto:drmp_ece@vignan.ac.in">drmp_ece@vignan.ac.in</a>	Professor
9	Dr. P. J. Reginald	Officiating Associate Professor, ECE Department, VFSTR Deemed to be University Mobile:+91 9885342118 Mail-id: <a href="mailto:drpjr_ece@vignan.ac.in">drpjr_ece@vignan.ac.in</a>	Associate Professor
10	Dr. N. Ananda Rao	Officiating Associate Professor, ECE Department, VFSTR Deemed to be University Mobile:+91 7989168317 Mail-id: <a href="mailto:nar_ece@vignan.ac.in">nar_ece@vignan.ac.in</a>	Associate Professor
11	Dr. G.S.R Satyanarayana	Officiating Associate Professor, ECE Department, VFSTR Deemed to be University Mobile:+91 9177756167 Mail-id: <a href="mailto:gsrs_ece@vignan.ac.in">gsrs_ece@vignan.ac.in</a>	Associate Professor
12	Dr.P.Vijaya Lakshmi	Assistant Professor, ECE Department, VFSTR Deemed to be University Mobile:+91 9394319394 Mail-id: <a href="mailto:drpvl_ece@vignan.ac.in">drpvl_ece@vignan.ac.in</a>	Assistant Professor
13	Dr.P. Krishna Chaitanya	Officiating Associate Professor, ECE Department, VFSTR Deemed to be University Mobile: +91 79899 62496 Mail-id: <a href="mailto:pkc_ece@vignan.ac.in">pkc_ece@vignan.ac.in</a>	Secretary, Associate Professor
14	Dr.V. Venkata Reddy	Asst. Professor, ECE Department, VFSTR Deemed to be University Mobile: 97030 51576	Assistant Professor
15	Dr. V. Aswini	Asst. Professor, ECE Department, VFSTR Deemed to be University Mobile: +91 9063868122 Mail-id: <a href="mailto:va_ece@vignan.ac.in">va_ece@vignan.ac.in</a>	Assistant Professor
16	Dr. B. Jayalakshmi	Asst. Professor, ECE Department, VFSTR Deemed to be University	Assistant Professor

**Agenda Points:**

The following points are proposed for discussion in the meeting.

1. Approval of SWAYAM-NPTEL courses / Ratifications of previous approved courses.
2. Approval of Honour /Minor / Department elective / Open elective courses, if any that are not approved earlier.
3. Discussion of results-FA, SA, Grades, and Correlations of results announced after previous BoS.
4. Discussion of attainments — process, rubrics, CO/PO/PSO and SO values.
5. Discussion on best practices of Formative assessment (pre-TI, T1, T2, T3 and T5).
6. Discussion on best practices of T&P activities.
7. Analysis of the feedback collected from various stakeholders such as Alumni, Employers, Faculty, Parents and Students during the academic year 2024-25 AND/OR 2025-26.
8. Guest lectures by Industry personal planning / executions related to any Core course / Dept. electives.

  
**Dr. P. Krishna Chaitanya**  
**BoA Co-ordinator**

  
**Dr. M. Sarada**  
**HoD, ECE**

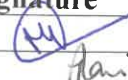
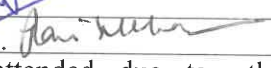


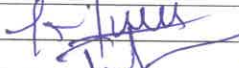





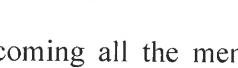
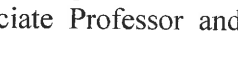


**Department of Electronics and Communication Engineering.**

**Date: 10/12/2025**

**Minutes of the Department Academic Advisory Committee (DAAC)**

The Department of ECE conducted the Department Academic Advisory Committee (DAAC) meeting for the B. Tech and M.Tech program on 10.12.2025 at 10:00 AM in, MPMC Laboratory (VSF-19), Second Floor, H-Block, VFSTR.

**The following Members were present**

S. No	Name	Designation	Signature
1	Dr. M. Sarada	Chair Person	
2	Dr. Y. Ravi Sekhar	Dean SEECE	
3	Dr. B. Seetha Ramanjaneyulu	Professor	Not attended due to other meetings
4	Dr. N. Usha Rani	Professor	
5	Dr. M.S.S. Rukmini	Professor	
6	Dr. Sk. Jakeer Hussain	Professor	
7	Dr. T. Pitchaiah	Professor	
8	Dr. M. Pachiyannan	Professor	
9	Dr. P. J. Reginald	Associate Professor	
10	Dr. N. Ananda Rao	Associate Professor	
11	Dr. G.S.R Satyanarayana	Associate Professor	
12	Dr. P. Krishna Chaitanya	Member Secretary, Associate Professor	
13	Dr.P. Vijaya Lakshmi	Assistant Professor	
14	Dr.V. Venkata Reddy	Assistant Professor	
15	Dr. V. Aswini	Assistant Professor	
16	Dr. B. Jayalakshmi	Assistant Professor	

Chairperson, Dr. M. Sarada initiated the meeting by welcoming all the members and handed over the session to Dr. P. Krishna Chaitanya, Associate Professor and Member Secretary for the DAAC.

**Agenda & Minutes.**

**Approval of Honour / Minor / Department Elective / Open Elective Courses**

- Dr. P. Krishna Chaitanya presented the syllabus structures of different regulations and discussed the Approval of Honour, Minor, Department Elective, and Open Elective Courses. He explained the course structure, implementation process, and the importance of offering interdisciplinary and skill-oriented courses to enhance students' academic flexibility and career opportunities.
- The Board examined the proposed Honour, Minor, Department Elective, and Open Elective courses that were pending approval. The syllabus structure, course objectives,

course outcomes, and relevance to current academic and industry requirements were discussed in detail.

- The Board emphasized the importance of offering flexible curriculum options to cater to diverse student interests and to promote interdisciplinary learning. The alignment of these courses with program outcomes and emerging technological trends was also reviewed.
- After thorough deliberations, the Board **approved the courses** for implementation in the upcoming academic schedule.
- The Board further recommended periodic review and updating of these courses to ensure they remain relevant and industry-oriented. Faculty members were also encouraged to incorporate innovative teaching methodologies and practical components to enhance the effectiveness of these courses

### **Discussion on Results (FA, SA, Grades, and Correlation)**

- The Board reviewed the performance of students in Formative Assessments (FA) and Summative Assessments (SA), along with the overall grade distributions for the courses offered after the previous BoS meeting. A detailed analysis of pass percentages, grade patterns, and subject-wise performance was presented and discussed.
- The Board examined the correlation between internal assessments and end-semester examinations to ensure consistency and reliability in the evaluation process. It was observed that the assessment methods are largely aligned, and the overall student performance is **satisfactory**.
- However, the Board identified certain areas where improvement is required, particularly in courses with comparatively lower performance. Faculty members were advised to adopt remedial measures such as additional tutorial classes, mentoring, and continuous monitoring of student progress.
- The Board also suggested strengthening assessment strategies by incorporating more application-oriented and analytical questions to better evaluate student understanding and to improve overall learning outcomes.

### **Discussion on Attainment (Process, Rubrics, CO/PO/PSO/SO Values)**

- The Board reviewed the attainment process adopted by the department, including the methods used for measuring Course Outcomes (CO), Program Outcomes (PO), Program Specific Outcomes (PSO), and Student Outcomes (SO). The evaluation rubrics, target setting mechanisms, and tools used for direct and indirect assessment were discussed in detail.
- The Board examined the mapping of COs with POs and PSOs, and the calculation procedures followed for determining attainment levels. The effectiveness of the rubrics in accurately assessing student performance and learning outcomes was also evaluated.
- It was observed that the current attainment methodology is systematic and in line with academic and accreditation requirements. The Board **approved the existing process and rubrics**.
- However, the Board recommended continuous monitoring and periodic refinement of the attainment process to further improve accuracy and effectiveness. Suggestions were made to strengthen documentation, enhance the use of analytical tools, and incorporate feedback mechanisms for better outcome assessment.

- The Board also advised faculty members to focus on improving attainment levels by adopting outcome-based teaching strategies and ensuring proper alignment between teaching, assessment, and expected learning outcomes.

### **Best Practices in Formative Assessment (Pre-T1, T1, T2, T3, T5)**

- The Board discussed the various best practices adopted by the department in conducting formative assessments, including Pre-T1, T1, T2, T3, and T5. The structure, frequency, and evaluation methods of these assessments were reviewed in detail to ensure their effectiveness in continuous student evaluation.
- The Board appreciated the efforts made by faculty members in maintaining transparency, timely evaluation, and providing constructive feedback to students. The importance of formative assessments in identifying learning gaps and supporting continuous improvement was emphasized.
- Faculty members were encouraged to adopt **innovative and student-centric evaluation methods**, such as quizzes, assignments, case studies, presentations, and project-based assessments, to enhance student engagement and understanding.
- The Board also recommended incorporating more application-oriented and analytical questions to assess higher-order thinking skills. Additionally, it was suggested to ensure uniformity in evaluation standards and timely communication of results to students.
- The Board concluded that effective implementation of formative assessment practices will significantly contribute to improving overall student performance and attainment of learning outcomes.

### **Best Practices in Training & Placement (T&P) Activities**

- The Board reviewed the various Training and Placement (T&P) activities conducted by the department during the academic period. The initiatives aimed at enhancing students' employability, including technical training programs, aptitude sessions, soft skills development, and placement readiness activities, were discussed in detail.
- The Board appreciated the efforts taken by the department in organizing structured training sessions, mock interviews, group discussions, and resume-building workshops to prepare students for campus recruitment. The role of industry interaction and collaboration in improving placement opportunities was also emphasized.
- It was suggested to further strengthen **technical skill development** in emerging areas, along with continuous **soft skills and communication training** to improve students' overall personality and confidence. The Board also recommended increasing the number of **mock interviews, coding practice sessions, and industry-oriented training programs**.
- Additionally, the Board advised establishing stronger connections with industry partners, alumni, and professional bodies to enhance internship and placement opportunities.
- The Board concluded that consistent and well-planned T&P activities will significantly improve students' placement outcomes and career readiness.

### **Analysis of Stakeholder Feedback**

- The Board reviewed and analyzed the feedback collected from various stakeholders, including Alumni, Employers, Faculty, Parents, and Students, for the academic years 2024–25 and/or 2025–26. The feedback covered aspects such as curriculum relevance, teaching–learning processes, infrastructure, industry readiness, and overall academic experience.

- The Board discussed the key observations and trends identified from the feedback. It was noted that the stakeholders expressed overall satisfaction with the curriculum and academic practices, while also suggesting certain improvements in areas such as industry exposure, practical learning, and skill development.
- The Board emphasized the importance of stakeholder feedback as a vital input for continuous quality improvement and outcome-based education. Based on the analysis, the Board recommended incorporating the feedback into **curriculum enhancement, teaching methodologies, and academic planning**.
- Further, it was suggested to strengthen mechanisms for regular feedback collection, systematic analysis, and effective implementation of action taken reports. The Board also advised increasing engagement with alumni and industry experts to better align the curriculum with current and future industry requirements.
- The Board concluded that continuous monitoring and effective utilization of stakeholder feedback will contribute significantly to the overall academic excellence of the department.

### **Guest Lectures and Industry Interaction**

- The Board discussed the planning and execution of guest lectures and industry interaction sessions organized by the department. The importance of bridging the gap between academic learning and industry practices was emphasized.
- The Board reviewed the guest lectures conducted during the previous academic period and appreciated the efforts made in inviting industry experts to share their knowledge and practical insights with students. It was observed that such interactions significantly enhance students' understanding of real-world applications and emerging trends.
- It was resolved to organize **regular guest lectures, workshops, and industry interaction sessions** aligned with core courses and departmental electives. The Board recommended inviting experts from reputed industries, research organizations, and alumni working in leading companies.
- Further, the Board suggested integrating these sessions with course outcomes by aligning topics with the curriculum and encouraging active student participation through interactive sessions, Q&A discussions, and hands-on activities.
- The Board also advised maintaining proper documentation of these activities and collecting feedback from students to assess their effectiveness.
- The Board concluded that continuous engagement with industry professionals will enhance students' practical knowledge, industry readiness, and overall employability.

### **Approval of SWAYAM-NPTEL Courses / Ratification of Previously Approved Courses**

- The Board reviewed the list of SWAYAM-NPTEL courses offered by the department for the forthcoming academic period. The relevance of these courses in enhancing students' knowledge, improving employability skills, and aligning with current industry requirements was discussed in detail.
- The Board appreciated the initiative of integrating SWAYAM-NPTEL courses into the curriculum as a value-added component to promote self-learning and exposure to courses offered by premier institutions. After thorough deliberations, the proposed courses were **approved** for implementation.
- Further, the Board reviewed the SWAYAM-NPTEL courses that were approved in the previous BoS meeting. After verifying their successful conduct and relevance, the Board **ratified** the same without any modifications.

- The Board also suggested encouraging more students to enroll in these courses and recommended that faculty members guide students in selecting appropriate courses aligned with their academic and career goals.

The following NPTEL courses are offered by the ECE department to the students

Sl. No	Course Code	Course Name	No. of Weeks	No. of credits	Recommended Year	Dept. Elective/ Open elective /Honors/ Core	Mentor Name and contact No.
1	noc26-cs50	VLSI Physical Design	12	3	III/IV	Department Elective/ Honor	VLSI
2	noc26-ee70	Digital IC Design	12	3	III/IV	Department Elective/ Honor	VLSI
3	noc26-ee33	Integrated Circuits & Applications	12	3	III/IV	Department Elective/ Honor	VLSI
4	noc26-ee86	Semiconductor Devices for Next Generation Field Effect Transistors (More than Moore): A Physics Perspective	12	3	III/IV	Department Elective/ Honor	VLSI
5	noc26-ee08	IC Design for Wireless Systems	12	3	III/IV	Department Elective/ Honor	VLSI
6	noc26_ee45	Digital VLSI Testing	12	3	IV	Department Elective/ Honor	VLSI
7	noc26-ee49	Semiconductor Device Modelling and Simulation	12	3	III/IV	Department Elective	VLSI
8	noc26-ee90	VLSI Physical Design with timing analysis	12	3	III/IV	Department Elective/ Honor	VLSI
9	noc26-ee50	Signal Processing Techniques & its Applications	12	3	IV	Department Elective/ Honor	Communication

10	noc26-ee75	Multirate DSP (Matches Multirate and Wavelets)	12	3	IV	Department Elective/ Honor	Communication
11	noc26-ee74	Modern Computer Vision	12	3	IV	Department Elective/ Honor	Communication
12	noc26-ee09	FPGA Based Signal Processing Systems	12	3	III/IV	Department Elective/ Honor	Embedded systems /IoT
13	noc26-ee13	Sensors & Actuator	12	3	II/III/IV	Department Elective	Embedded systems
14	noc26-ee41	Embedded Sensing, Actuation and Interfacing Systems	12	3	II/III/IV	Department Elective/ Honor	Embedded systems /IoT
15	noc26_cs35	Computer Networks And Internet Protocol	12	3	IV	Core	CPS/IoT
16	noc26_ee62	RF and Microwave Networks	12	3	IV	Core	RF & MW
17	noc26-cs69	Getting Started in Competitive Coding	12	3	II/III/IV	Open Elective	Computer Science
18	noc26-ce64	Modern C++	12	3	II/III/IV	Open Elective	Computer Science
19	noc26-cs36	Java Programming	12	3	II/III/IV	Open Elective	Computer Science
20	noc26-mg19	AI in Human Resource Management	12	3	II/III/IV	Open Elective	Computer Science
21	noc26-cs03	Foundation for Virtual and Augmented Reality Systems	12	3	III/IV	Open Elective	Computer Science
22	noc26-cs67	Design and Analysis of Algorithms	8	2	II/III/IV	Open Elective	Computer Science
23	noc26-ee53	Deep Learning	12	3	III/IV	Open Elective/ Honor	AIML

24	noc26-cs74	Introduction to ML	12	3	III/IV	Open Elective/ Honor	AIML
25	noc26-cs81	Reinforcement Learning	12	3	III/IV	Open Elective/ Honor	AIML
26	noc26-cs76	Machine Learning for Engineering and science applications	12	3	III/IV	Open Elective/ Honor	AIML
27	noc26-ma38	Applied Linear Algebra in AI and ML	12	3	III/IV	Open Elective/ Honor	AIML
28	noc26-cs02	Mathematical Foundations of Machine Learning	12	3	III/IV	Open Elective/ Honor	AIML
29	noc26-ag12	Machine Learning for Soil & Crop Management	12	3	II/III/ V	Open Elective/ Honor	AIML/ Agriculture
30	noc26-ag15	Soil Science and Technology	12	3	II/III/ V	Open Elective	Agriculture
31	noc26-mg40	Consumer Behaviour	8	2	II/III/ V	Open Elective	Management
32	noc26-mg29	Business Ethics	12	3	II/III/ V	Open Elective	Management
33	noc26-mg01	Pre-Business School Statistics	4	1	II/III/ V	Open Elective	Management
34	noc26-mg76	Innovation in Marketing and Marketing of Innovation	12	3	II/III/ V	Open Elective	Management
35	noc26-ma24	Scientific Computing using MATLAB	12	3	II/III/ V	Open Elective/ Department Elective	Mathematics
36	noc26-cs54	Embedded System Design	12	3	IV	Department Elective/ Honor	Embedded systems
37	noc26-cs38	Introduction to Industry 4.0 and Industrial Internet of Things (IIoT)	12	3	IV	Department Elective/ Honor	Embedded systems

38	noc26 _cs22	Introduction to Embedded System Design	12	3	I	Department Elective/ Honor	M.Tech IOT
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### **Module-I, II result analysis and augmented learning strategies**


- Dr. V. Aswini presented a comprehensive Module-I, II 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 identified academically weak students and emphasized continuous mentoring and close monitoring.
- Various augmented learning strategies were conducted including remedial classes, slow learner classes, revision sessions, repeated practice exercises, tutorial sessions, doubt clarification 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.

### **Any other points with the permission of the Chair**

At the conclusion of the meeting, the chairperson 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.

  
**Dr. P. Krishna Chaitanya**  
 Member Secretary

  
**Dr. M. Sarada**  
 Chair Person, HoD, ECE