DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Department Advisory Board (DAB) Meeting

The CSE Department Advisory Board meeting was held on 17-10-2026. The transcript records a detailed presentation of the R26 UG scheme and syllabi for III to VIII Semesters and the suggestions of the expert members.

Agenda

1. Discussion on R26 UG III to VIII Semester scheme and syllabi.
2. Any other item with the permission of the Chair.

The following members were present:

S. No	Name	Designation	Member/Category
1.	Prof. C. V. Narasimhulu	Principal	Chairman
2.	Prof. S. China Ramu	Head of the Department	Convenor
3.	Prof. Raman Dugyala Prof. R. Ravinder Reddy	Two Senior Faculty	Members
4.	Dr. T. Sridevi	Member Coordinator	Coordinating Convenor
5.	Prof. M. Swamy Das (UG) Dr. K. Morarjee (PG)	NBA Coordinators UG and PG	Members
6.	Prof. Sachin Tripathi, Associate Professor, Dept. of CSE, Indian Institute of Technology (ISM), Dhanbad Ph: 9471191359 Mail Id: sachin2781@iitism.ac.in	Two Expert members from IITs/NITs/IIITs*	Members
	Dr. E. Damodhar Reddy, Associate Professor, Dept. of CSE, National Institute of Technology, Goa: Ph: 9765127163 Mail Id: reddy@nitgoa.ac.in		
7.	Mr. T. Sridhar, Director, NPM, Hyderabad, 500081. Ph: 7760961976 Mail Id: tsdhar@gmail.com	Industry Expert*	Member
	Sowmya Nuttaki Executive Director, JPMC-Hyderabad, Ph: 99895 46467 Mail Id: nutakki.sowmya@gmail.com		
8	Mr. Ravi Gottipati, Chief Data Architect, Biva Analytics Private Limited, Hyderabad. Ph: 9885858534 Mail Id: ravi.gottipati@biva.ai	Member	Employer*

The following members were on Leave of absence due to their prior commitments and unavoidable reasons.

S. No	Name	Designation	Name of the Member/Category
1	Dr. Vinaya Chakati, Member Technical staff, NetApp, USA Ph: +1(480)758-0450 Mail Id: vinayachakati@gmail.com	Two Alumni	Members
2	Mr. Vihar Kuruma, Co-Founder, plane.so, Hyderabad, 500081 Ph: 9133744144 Mail Id: vihar.@plane.so		

The Convenor presented the curriculum and invited suggestions from the DAB members. Minutes of the meeting are as follows

Item No. 1	Discussion on R26 UG III to VIII Semester scheme and syllabi.
Minutes	The Convenor presented the semester-wise scheme, course outcomes, unit-wise syllabi, laboratory courses, professional electives, and textbooks, reference books, and online resources for every course along with open electives. The III Semester includes Discrete Structures, Digital Logic Design, Design and Analysis of Algorithms, Java programming and corresponding practical activities, including a LaTeX workshop for technical report preparation. The IV Semester presentation covered Computer Organization and Architecture, Operating Systems, Database Management Systems, Web Programming, Theory of Computation and related laboratories. The V Semester covered Computer Networks, Introduction to IoT and its Applications, Software Engineering, Foundations of AI, electives and internship / certification activities. The VI Semester discussion included Information Security, Machine Learning Algorithms and Applications, Cloud Computing Essentials, laboratory/project components and professional electives. The Convenor explained the sequencing of AI, machine learning and deep learning content and the role of mini projects in preparing students for major project work. During the presentation Prof. Sachin Tripathi advised that the syllabus presented under the title "Information Security" was predominantly aligned with Cryptography and Network Security. He suggested to rename the course title "Cryptography and Network Security". Convener said that title would be changed as suggested by the expert. The expert member found it satisfactory.

Prof. Sachin Tripathi suggested including a clear introductory treatment of machine-learning categories before supervised learning and other algorithms. On clarification of the Convenor existing syllabus coverage, he indicated that the arrangement was acceptable.

Ms. Sowmya Nuttaki suggested explicit coverage of Agile practices, including user stories, epics and estimation. She also recommended exposure to practical AI tools and open-source frameworks within software design and development, with emphasis on reviewing and validating AI-generated outputs. The Convenor agreed to consider wherever the possible.

Ms. Sowmya Nuttaki suggested introducing AI application security concepts, including commonly used security frameworks, in the Cybersecurity course. In this context, Mr. Ravi Gottipati proposed that AI-enabled software development and security should also be addressed through an integrated, hands-on elective with laboratory exposure, rather than only through isolated mentions across courses. Mr. Ravi Gottipati offered to work on an outline and relevant learning resources for a prospective elective on AI-enabled software product development, including tools across requirements, design, coding, security, testing and deployment. Convenor conveyed the respected members that there is an emerging-course elective slot kept open so that the same may be accommodated once we receive from Mr. Ravi Gottipati.

Ms. Sowmya Nuttaki highlighted the importance of Continuous Integration and Continuous Delivery/Deployment (CI/CD) pipelines, distinguishing them from testing or deployment concepts alone. Mr. Ravi Gottipati recommended practical treatment through suitable laboratory work. The Convenor referred to coverage in Cloud Computing and DevOps-related courses and said would look into these suggestions.

The VII and VIII Semester courses, electives, laboratories, major project components, internship arrangements and open electives offered by CSE to other branches were presented. Evaluation and review arrangements for projects and internships were also outlined.

Prof. Sachin Tripathi inquired that the positioning of Quantum Computing as a core course for CSE students and suggested considering it as an elective, given its prerequisite knowledge. The Convenor explained the intention to expose all students on emerging technology and cited foundational exposure in earlier semesters. Convenor also said that this course will into effect for AY 2029-2030.

Mr. Ravi Gottipati suggested comparing the proposed Quantum Computing course with established academic offerings, including the Indian Institute of Science, Bengaluru, and seeking specialist guidance, given infrastructure constraints. The Convenor welcomed the suggestion and mentioned the availability of academic guidance

Mr. T. Sridhar observed that the programme concentrated on several foundational CSE courses in III and IV Semesters and offered many emerging and specialized courses thereafter. He recommended reviewing the balance, prioritizing enduring fundamentals and job-relevant competencies such as Agile development, modern tools and automation. The Convenor explained its industry-alignment and student-choice rationale for elective offerings. In this context, Mr. Ravi Gottipati appreciated the preparation of course curriculum is balanced and in turn asked to Mr. T Sridhar to provide his view on the summary of curriculum..

	Mr. T. Sridhar indicated that he could provide a written comparative review of the curriculum. He also enquired about data communication and related ECE offerings, the Convenor clarified that relevant topics appear within Computer Networks, IoT and the open-elective structure. The expert member found it satisfactory.
Item No. 2	Any other item with the permission of the Chair.
Minutes	The Convenor shared teaching-learning practices. Academic result analysis, placements, internships, faculty publications and infrastructural facilities were presented for members' information. The Convenor reported approximately 95 students with placement offers and 153 total offers as on 17/10/2026.
	The Convenor invited feedback, collaboration and expert guidance for further improvement of the curriculum and its implementation.

There being no further recorded discussion, the meeting concluded with thanks to all members.

Convenor-DAB.

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