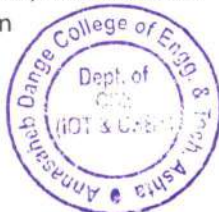


Date: 10/05/2026

Action Taken Report on the suggestions received in 7th Board of Studies Meeting held on 24 April 2026

Agenda Item No. 3: To discuss and approve the curriculum structure for Second Year to Final Year B.Tech (Revision 2).

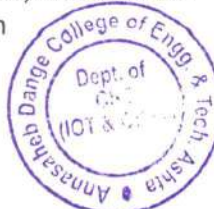
Sr. No	Suggestions	Action Taken
1	Cyber Security Domain Course: It was suggested to replace "P.E-I: Cyber Laws and Ethics" with a more domain-specific cyber security course. The topic Cyber Laws may be included as a unit within another relevant course instead of being offered as a standalone course.	Dr. Shefali P Sonavane suggested replacing the course "P.E-I: Cyber Laws and Ethics" with a more domain-specific Cyber Security course and incorporating cyber law topics as a unit within another relevant course rather than offering it as a standalone subject. The suggestion was discussed during the revision process. However, as no similar objection or recommendation was raised by the other BoS members, it was decided to retain the course considering the increasing importance of cyber law, digital ethics, privacy regulations, data protection frameworks, internet governance, and professional ethics in the cybersecurity domain. These aspects are essential for developing responsible cybersecurity professionals who can understand not only technical security mechanisms but also the associated legal, ethical, and regulatory implications. To strengthen the practical and domain-oriented nature of the course, the syllabus has been enhanced by incorporating real-world case studies, landmark court judgments, industry incidents, privacy breaches, responsible disclosure cases, AI ethics examples, and internet governance case studies in each unit. The selected case studies are drawn from recognized national and international incidents and are supported by publications from reputed journals, including Scopus-indexed and peer-reviewed sources wherever applicable.



		This revision ensures that the course remains aligned with contemporary cybersecurity practices while providing students with practical exposure to legal, ethical, governance, privacy, and compliance challenges encountered in the cybersecurity profession. Thus, the course has been updated and enriched through case-study-based learning rather than being removed from the curriculum.
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Agenda Item No. 4: To discuss and approve the curriculum contents for Second Year B.Tech (Revision 2).

Sr. No	Suggestions	Action Taken
1	Discussion & Suggestions: - Discrete Mathematics and Theory of Computation (Semester III): It was suggested to include lighter and essential concepts in the combined course to ensure better understanding and effective coverage of the syllabus. - Data Structures (Semester III): Mr. Sharukh Pathan observed that Graph Theory concepts are repeated in the Discrete Mathematics and Theory of Computation course. It was suggested to avoid duplication and include other relevant topics in place of repeated content. - Computer Organization (Semester III): It was suggested to include more IoT-specific concepts instead of only general topics. - Operating Systems (Semester III):	- Discrete Mathematics and Theory of Computation (Semester III): As per the suggestions received, the syllabus was revised by removing topics such as Pumping Lemma, Undecidability, Combinatorics, and Lattices, thereby reducing the course content and focusing on core concepts. - Mr. Sharukh Pathan, observed that certain Graph Theory concepts are also covered in the Discrete Mathematics and Theory of Computation courses and suggested avoiding duplication by replacing the repeated content with other relevant topics. The suggestion was carefully reviewed during syllabus revision. It was observed that while the mathematical foundations and theoretical aspects of graphs are introduced in Discrete Mathematics and Theory of Computation, the Data Structures course focuses on the computational representation, implementation, traversal, and algorithmic applications of graphs, which are fundamentally different in scope and learning outcomes.



	It was suggested to reduce overlapping topics, particularly in Memory management Unit. 5. Environmental Studies: It was recommended to include Information Disaster Management concepts, Green Energy and E-waste management concepts within the course. 6. Fundamentals of Blockchain (Semester IV): • For Unit II (Cryptography in Blockchain), It was suggested to revise the unit title. Include more focus on hashing techniques, Authentication and Authorization concepts	Topics such as graph representation techniques (adjacency matrix and adjacency list), graph traversal algorithms (BFS and DFS), shortest path concepts, and problem-solving applications of graphs are essential components of Data Structures. These topics play a significant role in developing algorithmic thinking, coding proficiency, competitive programming skills, and preparation for technical interviews and placement opportunities. Graph-based problems are also frequently encountered in software development, cybersecurity, artificial intelligence, networking, and modern computing applications. Therefore, considering their practical importance and distinct implementation-oriented perspective, the graph-related topics have been retained in the Data Structures course while ensuring that the focus remains on algorithmic design, implementation, and problem-solving rather than the theoretical treatment covered in other courses. This approach maintains industry relevance and supports students' placement and higher education preparedness. 3. Computer Organization (Semester III): As per the suggestions received, the syllabus was revised to strengthen the focus on IoT and embedded systems. In Module I, the existing coverage of the 8085 microprocessor was streamlined and enhanced with the inclusion of IoT Device Architecture. In Module III, concepts such as Von Neumann Architecture and Harvard Architecture were introduced to provide students with a better understanding of architectures commonly used in embedded and IoT applications. 4. Operating Systems (Semester III):
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		Based on suggestions received, topics such as Thrashing, Memory Monitoring Commands (free, vmstat), and Swap Space Management were removed from the syllabus to avoid overlap with related course content. 5. Environmental Studies (Semester III) The suggestions regarding Information Disaster Management, Green Energy, and E-waste Management were carefully considered. Some of these aspects have already been incorporated into the current syllabus. Since the Environmental Studies syllabus was finalized and approved during the Board of Studies meeting conducted by the Civil Engineering Department, further modifications cannot be accommodated at this stage. These valuable suggestions will be considered during the next syllabus revision cycle. 6. Fundamentals of Blockchain (Semester IV): As per the suggestion received, Unit II has been revised to broaden its scope beyond conventional cryptography by incorporating hashing techniques, authentication, authorization, identity and access management (IAM), access control models, and multi-party computation (MPC). These additions align the syllabus with current industry practices and emerging trends in blockchain security, ensuring comprehensive coverage of both foundational cryptographic concepts and practical security mechanisms used in decentralized systems.
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Madhuri

Mrs. Madhuri J Siddharapu
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