



Koneru Lakshmaiah Education Foundation

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING MINUTES OF 36TH BOARD OF STUDIES MEETING

14th August 2025

The 36th Board of Studies meeting for the Department of Computer Science and Engineering was held on 14th August 2025, online (Microsoft Teams) from 3:00PM to 5:30 PM.

The following members were present:

1. Dr. T PAVAN KUMAR, PROFESSOR, CHAIRMAN
2. Mr. V. HARI KIRAN, ASSOC.PROFESSOR
3. Dr THIRUPATHI REDDY, PROFESSOR
4. Dr A SENTHIL, PROFESSOR
5. Dr. V S V PRABHAKAR, PROFESSOR
6. Dr. K. AMARENDRA, PROFESSOR
7. DR. ANNE PRAVEEN KRISHNA, ASSOC.PROFESSOR
8. Dr. ARPITA GUPTA, ASSOC.PROFESSOR
9. Dr. GANDHARBA SWAIN, PROFESSOR
10. Dr G PARDHA SARADHI VARMA, VICE CHANCELLOR
11. Dr. MADHU MUTHYAM, EXTERNAL MEMBER, PROFESSOR IIT, MADRAS
12. Mr. AMARALINGESWARA RAO KAKA, EXTERNAL MEMBER, PROGRAM DIRECTOR IBM, HYDERABAD
13. Dr. V. SRIKANTH, PROFESSOR
14. Dr. V. CHANDRA PRAKASH, PROFESSOR
15. Dr. K. SUBRAHMANYAM, PROFESSOR
16. Dr K.V.DURGA KIRAN, PROFESSOR
17. Dr MD MOULANA, PROFESSOR
18. Dr T.SANTHI SRI, PROFESSOR
19. Dr. VSRK SHARMA, PROFESSOR
20. Dr. P. RAJARAJESWARI, PROFESSOR
21. Dr. K. BHANU PRAKASH, PROFESSOR

Dr. T. PAVAN KUMAR
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22. Dr. B.VIJAYA BABU, PROFESSOR
23. Dr. K. RAVINDRANATH, ASSOC.PROFESSOR
24. Dr. RAJU ANITHA, ASSOC.PROFESSOR
25. Dr. P.VENKATESWARA RAO, ASSOC.PROFESSOR
26. Dr. K. V. V.SATYANARAYANA, PROFESSOR
27. Dr. S.SAGAR IMAMBI, PROFESSOR
28. Dr. G.SIVANAGESWARA RAO, PROFESSOR
29. Dr E.VAMSIDHAR, PROFESSOR
30. Dr J SATISH BABU, ASSOC.PROFESSOR
31. Dr R VENU BABU, ASSOC.PROFESSOR
32. Dr K ASHESH, ASSOC.PROFESSOR
33. Dr G.RAMA KOTESWARA RAO, PROFESSOR
34. Dr. S KAVITHA, ASSOC.PROFESSOR
35. Dr. TATA RAVI KUMAR, ASSOC.PROFESSOR
36. Dr M PRAVEENA, ASST.PROFESSOR
37. Mrs. RAMYA, ASST.PROFESSOR
38. Dr. SANDA SRI HARSHA, ASSOC.PROFESSOR
39. Dr. G.PRADEEPINI, PROFESSOR
40. Dr SURYAKANTH .V GANGASHETTY , PROFESSOR
41. Dr D.GOVIND, PROFESSOR
42. Dr SANDEEP KUMAR, PROFESSOR
43. Dr K SAMUDRAVIJAYA, PROFESSOR
44. Dr P.VIDYA SAGAR, ASSOC.PROFESSOR
45. Dr M KAVITHA, ASSOC PROFESSOR
46. Dr. SAJJA TULASI KRISHNA, ASST.PROFESSOR
47. Dr. P. PRAVEEN KUMAR, PROFESSOR
48. MS. P. SUPRIYA, ASST.PROFESSOR
49. Mr. VIJAYA KRISHNA SONTI, ASST.PROFESSOR
50. Dr KUNDA VENKATA PRASAD, ASSOC.PROFESSOR

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51. Dr V VISWANATH SHENOI, PROFESSOR
52. Dr. DARA VIKRAM, PROFESSOR
53. DRT.SAJANA, ASSOC.PROFESSOR
54. Dr G S RAGHAVENDRA, ASST.PROFESSOR
55. Dr P SRILATHA, ASSOC.PROFESSOR
56. Dr.V. RAMA KRISHNA, PROFESSOR
57. Dr.ELANGO VAN GURUVA REDDY, ASSOC.PROFESSOR
58. Dr.B.SREENIVASULU, ASSOC.PROFESSOR
59. Dr.PITTA LA RAMESH BABU, ASSOC.PROFESSOR
60. Dr.N.B.ARUNE KUMAR, ASST.PROFESSOR
61. Mr.M SHASHANK, STUDENT
62. Mr. M RAMA SAI, STUDENT
63. Mr.SAI ABHINAV A, STUDENT
64. Miss.KARISHMA, STUDENT
65. Miss.G REEMA, STUDENT
66. Mr.KALYAM CHAKRAVARTHI NARAYANA, STUDENT

The following members were Absent:

1. Dr. N. SRINIVASU, PROFESSOR
2. Dr. YOGESH SHARMA, PROFESSOR

BoS Chairman welcomed all the members to the BoS meeting and started the meeting by highlighting the Vision & Mission statements of Department and University. He also presented Pos, PSOs and PEOs of the program.

The BoS Chairman commenced the meeting by informing all members that proposed curriculum structure for the B.Tech-CSE students admitted in the academic year 2025-26, new and revised courses of the curriculum and the revised structure of B.Tech-CSE students admitted in the A.Y. 2024-25 in alignment with the proposed course structure of 2025-26 batch. The Y24 batch lateral entry course structure. The proposed course

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structure for the M.Tech-CSE students admitted in the academic year 2025-26, new and revised courses of the curriculum. He further informed that two courses underwent for revisions, new specializations and honors courses were introduced, a few value-added courses, and MOOCS mode offered for PE-5 courses of Y22 regulation students for discussion. These revisions and additions were discussed in detail, aiming to align the curriculum with industry trends and emerging technologies while maintaining academic standards.

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AGENDA and RESOLUTIONS

AGENDA ITEM-1

Consider and approve DAC meeting minutes held on 13 th August 2025 in online mode	Resolution: Approved DAC minutes and recommended to Academic Council for approval.
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- Chairman of the BOS informed all the members about the Department Academic Committee (DAC) meeting held on 13th August 2025 and highlighted the major resolutions of discussion.

It is resolved to approve the recommendations made by DAC.

Annexure-1 DAC minutes (Dt: 13-08-2025)

AGENDA ITEM-2

To consider and approve the proposed courses for 2025-26 admitted batch B. Tech CSE Students based on the feedback received from stakeholders.	Resolution: Approved for courses for B.Tech CSE 2025-26 admitted Batch and the same is recommended to Academic Council.
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To consider and introduce course structure for 2025-26 admitted batch students based on the stake holder's feedback.

- Dr. K. Raghava Rao, Academic Peer, I highly recommend the subject 'Insights to Sustainable Development Goals' due to its relevance in shaping socially responsible graduates. Academic peers emphasized the importance of introducing this course and recommended including India-specific SDG challenges while promoting interdisciplinary connections early in the curriculum.

It is resolved to introduce a course "Insights to Sustainable Development Goals" for 2025-26 admitted batch students.

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2. Dr Uma Professor, Academic Peer, I strongly supported introducing a course on 'PROBABILITY AND STATISTICS', noting its critical role in data analysis, decision-making, and research. They recommended incorporating real-life applications, especially in engineering and computer science contexts.

It is resolved to introduce a course "PROBABILITY AND STATISTICS" for 2025-26 admitted batch students.

3. R M Balaji, Academic Peer, I recommended the introduction of "Mathematical Optimization" to strengthen students' analytical and problem-solving skills. They emphasized including topics like linear programming, convex optimization, and real-world engineering applications.

It is resolved to introduce a course "Mathematical Optimization" for 2025-26 admitted batch students.

4. Prathusha, Industry Person, Industry experts strongly recommended introducing a "Data Science" course to meet the growing demand for professionals skilled in data handling, analytics, and machine learning. They suggested including hands-on training using real datasets and industry-relevant tools.

It is resolved to introduce a course "Data Science" for 2025-26 admitted batch students.

5. Lova Kumari, Academic Peer, I highly recommend the subject "Object Oriented Programming" early in the curriculum to strengthen students' programming fundamentals. They emphasized focusing on core OOP

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concepts such as classes, objects, inheritance, and encapsulation, using industry-standard languages like Java or Python."

It is resolved to introduce a course "Object Oriented Programming" for 2025-26 admitted batch students.

6. Mr. M. TRINSATH BASU, Faculty, highly suggested introducing a course to enhance engineering students "LANGUAGE SKILLS FOR ENGINEERS", including technical writing, presentations, and workplace communication. They emphasized the need to improve fluency, clarity, and confidence in English for professional settings.

It is resolved to introduce a course "LANGUAGE SKILLS FOR ENGINEERS" for 2025-26 admitted batch students.

7. Mr. M. TRINSATH BASU, Faculty, the course 'Communication Skills for Engineers' was introduced to help students effectively present technical ideas and improve verbal and written communication. Faculty analysis identified a gap between students' technical knowledge and their ability to convey it in academic and professional settings. In response, the course was designed with modules on technical writing, presentations, group discussions, and interview skills, incorporating practical activities to enhance communication confidence."

It is resolved to introduce a course "Communication Skills for Engineers" for 2025-26 admitted batch students.

8. Dr. B. VIJAYA BABU, Industry Person, recommended introducing a "Computer Networks" course to equip students with foundational knowledge in network protocols, architecture, and security. They emphasized the importance of hands-on skills in configuring

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troubleshooting networks, aligning with real-world IT and cybersecurity needs.

It is resolved to introduce a course "Computer Networks" for 2025-26 admitted batch students.

9. Mr. B. Srikanth, Industry Person, I strongly recommended the introduction of a course on "CLOUD INFRASTRUCTURE AND SERVICES" due to the increasing demand for cloud professionals. They suggested covering virtualization, cloud deployment models, and hands-on experience with platforms like AWS, Azure, or Google Cloud.

It is resolved to introduce a course "CLOUD INFRASTRUCTURE AND SERVICES" for 2025-26 admitted batch students.

10. N Lakshmi Narayana, Academic Peer, I highly recommend the subject on "Information Assurance and Security" to address the increasing need for knowledge in cybersecurity. They suggested including foundational topics such as cryptography, network security, risk management, and ethical practices.

It is resolved to introduce a course "Information Assurance and Security" for 2025-26 admitted batch students.

11. Mr. Nimmagadda Ravi Shankar, Industry Person, suggested including "ADAPTIVE SOFTWARE ENGINEERING" to prepare students for managing complex and evolving projects using iterative development, continuous feedback, and collaboration, matching modern software industry needs.

It is resolved to introduce a course "ADAPTIVE SOFTWARE ENGINEERING" for 2025-26 admitted batch students.

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12. Mr. SK. MOHAMMED GOUSE, faculty, "Front End Development Frameworks" to enhance students' skills in building responsive and dynamic web applications. They recommended focusing on modern frameworks like React, Angular, or Vue.js, along with strong HTML, CSS, and JavaScript fundamentals.

It is resolved to introduce a course "Front End Development Frameworks" for 2025-26 admitted batch students.

13. MR. JONNALAGADDA SURYA KIRAN, Faculty. I recommended a course on "Service-Oriented Architecture (SOA)" and Microservices to reflect the shift from monolithic to modular application development. They emphasized the need to include RESTful services, service orchestration, and containerization technologies.

It is resolved to introduce a course "Service-Oriented Architecture (SOA)" for 2025-26 admitted batch students.

14. DR. G. SWAIN, Faculty, I proposed a course on "Web3 and Blockchain" to align with emerging technologies in decentralized systems. They suggested covering core blockchain concepts, smart contracts, cryptocurrencies, and decentralized applications.

It is resolved to introduce a course "Web3 and Blockchain" for 2025-26 admitted batch students.

15. DR. P.V.R.D. PRASADA RAO, Faculty, I highly recommend the subject on "Cloud Systems and Infrastructure Management" to equip students with the skills needed to manage cloud platforms and services. They suggested including virtualization, cloud architecture, deployment, and monitoring tools.

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It is resolved to introduce a course "Cloud Systems and Infrastructure Management" for 2025-26 admitted batch students.

16. Dr. K. BHANU PRAKASH, Faculty, I expressed strong suggested that the course "Multimodal Information Processing" course was developed covering multimodal feature extraction, fusion techniques, and deep learning models, with hands-on labs in cross-modal retrieval, visual question answering, and sentiment analysis.

It is resolved to introduce a course "Multimodal Information Processing" for 2025-26 admitted batch students.

17. DR. P. LAKSHMI PRASANNA, Faculty, I expressed strong Strongly suggested that the course "Computational Paralinguistics" course was introduced with modules on feature extraction, emotion recognition, and paralinguistic signal processing, using machine learning and practical exercises with speech datasets.

It is resolved to introduce a course "Computational Paralinguistics" for 2025-26 admitted batch students.

18. MRS. SMRITILEKHA DAS, Faculty, I proposed a course on "Speech Processing" course was launched with topics including speech acoustics, MFCCs, ASR systems, and speech syntheses, with projects using Kaldi, ESPnet, and other open-source tools.

It is resolved to introduce a course "Speech Processing" for 2025-26 admitted batch students

19. DR. P.V.R.D. PRASADA RAO, Faculty, I highly recommend the subject on course "Parallel and Distributed Computing" was created covering parallel

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programming models, distributed algorithms, shared memory, and message passing, with practical work on MPI and Hadoop.

It is resolved to introduce a course "Parallel and Distributed Computing" for 2025-26 admitted batch students.

20. DR. P. YELLAMMA, Faculty, I expressed strong course "High Performance Computing" was developed to include HPC architectures, parallelization techniques, CUDA programming, and optimization methods, with experiments on HPC clusters.

It is resolved to introduce a course "High Performance Computing" for 2025-26 admitted batch students.

21. DR. JAGADISH GURRALA, Faculty, I expressed strong course "system Programming" was implemented with modules on process management, system calls, synchronization, and file systems, using C programming and Linux environments.

It is resolved to introduce a course "system Programming" for 2025-26 admitted batch students.

22. DR. S. HRUSHKESAVA RAJU, Faculty, I highly recommend the subject on course "Human-Computer Interaction (HCI)" was designed to cover HCI principles, interaction design, usability evaluation, and prototyping tools, with projects focused on real-world UI/UX challenges.

It is resolved to introduce a course "Human Computer Interaction (HCI)" for 2025-26 admitted batch students.

23. Dr. Vivek S Deshpande, Faculty, I strongly recommend the addition of the 'PROBLEMSOLVING THROUGHIC' course to our curriculum.

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the foundational course in programming that focuses on logical reasoning and structured problem-solving using the C language. It was suggested to make this course mandatory for first-year students.

It is resolved to introduce a course "PROBLEM SOLVING THROUGH C" for 2025-26 admitted batch students.

24. Vishnu Teja, Alumni, I highly recommend the subject "DIGITAL SYSTEM DESIGN" recommended introducing a course focused on digital logic and system architecture to strengthen students' understanding of hardware components, circuit design, and digital operations relevant to embedded and computer systems.

It is resolved to introduce a course "DIGITAL SYSTEM DESIGN" for 2025-26 admitted batch students.

25. Poothabalan Somasundaram, Industry Person, A revision "PYTHON PROGRAMMING" for the highlighted the growing demand for Python skills due to its applications in data science, automation, AI, and web development. They suggested integrating Python into the curriculum to enhance students' employability and real-world problem-solving skills.

It is resolved to introduce a course "PYTHON PROGRAMMING" for 2025-26 admitted batch students.

26. Vishnu Teja, Alumni, Strong foundational knowledge "COMPUTER ORGANIZATION AND ARCHITECTURE" in computer hardware, memory architecture, and instruction-level operations is essential for success in technical interviews and competitive exams. They recommended including this course early in the curriculum.

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It is resolved to introduce a course "COMPUTER ORGANIZATION AND ARCHITECTURE" for 2025-26 admitted batch students.

S. No	Course Code	Course Title	Course Type	Credits	Remarks
1	24UC0032	INSIGHTS TO SUSTAINABLE DEVELOPMENT GOALS	AUC	0	Introduced as a Audit Course
2	24MT2019	PROBABILITY AND STATISTICS	BSC	4	Introduced in place of Probability, Statistics & Queueing Theory course
3	24MT2012	MATHEMATICAL OPTIMIZATION	BSC	4	Introduced in place of Mathematical programming course
4	24AD3107	DATA SCIENCE	BSC	4	Introduced as science elective course
5	24SC2006	OBJECT ORIENTED PROGRAMMING	BSC	4.5	Introduced in place of CTOOD
6	24UC1102	LANGUAGE SKILLS FOR ENGINEERS	HAS	2	Introduced in place of the Integrated Professional English course
7	24UC1204	COMMUNICATION SKILLS FOR ENGINEERS	HAS	2	Introduced in place of English Proficiency course
8	24CS2202	COMPUTER NETWORKS	PCC	4	Introduced in place of Network Protocols & Security course
9	24CS2204	CLOUD INFRASTRUCTURE AND SERVICES	PCC	4.5	Introduced as a core course
10	24CS3105	INFORMATION ASSURANCE AND SECURITY	PCC	4	Introduced in place of Network Protocols & Security course
11	24CI3201	ADAPTIVE SOFTWARE ENGINEERING	PCC	4	Introduced as a core course due to 85% revision in its syllabus
12	24SDCS01	FRONT END DEVELOPMENT FRAMEWORKS	SDC	2	Introduced in place of Linux Administration course
13	24SDCS03	SOA PROGRAMMING AND MICROSERVICES	SDC	2	Introduced in place of JFSD
14	24SDCS04	WEB3 WITH BLOCKCHAIN	SDC	2	Introduced as a skill development course
15	24CEC3101	CLOUD SYSTEMS AND INFRASTRUCTURE MANAGEMENT	PE-1	4	Introduced as a Professional Elective course
16	Elective	MULTIMODAL INFORMATION PROCESSING	PE-1	4	Introduced as a Professional Elective course

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S. No	Course Code	Course Title	Course Type	Credits	Remarks
17	Elective	COMPUTATIONAL PARALINGUISTICS	PE-2	3	Introduced as a Professional Elective course
18	Elective	SPEECH PROCESSING	PE-3	3.5	Introduced as a Professional Elective course
19	24CS2253F	PARALLEL AND DISTRIBUTED COMPUTING	FC	3	Introduced as a Flexi Core course
20	24CS2254F	HIGH PERFORMANCE COMPUTING	FC	3	Introduced as a Flexi Core course
21	24CS2252F	SYSTEM PROGRAMMING	FC	3	Introduced as a Flexi Core course
22	24CS2250F	HUMAN COMPUTER INTERACTION	FC	3	Introduced as a Flexi Core course
23	25SC1101	PROBLEM SOLVING THROUGH C	ESC	5	Introduced in place of Computational Thinking and Structured Design course
24	25EC1102	DIGITAL SYSTEM DESIGN	ESC	4	Introduced as a Engineering Science course
25	25SC2007	PYTHON PROGRAMMING	ESC	3	Introduced as a new programming course
26	25EC1204	COMPUTER ORGANIZATION AND ARCHITECTURE	PCC	3	Introduced as a core course
HONORS					
HONORS-TRACK1 : EMBEDDED SYSTEMS					
27	HFC	EMBEDDED SYSTEMS PROGRAMMING & RTOS FOUNDATIONS	HFC	4	Introduced as a Honors Flexi Core course
28	HFC	EMBEDDED SYSTEMS DESIGN - HARDWARE-SOFTWARE CO-DESIGN	HFC	4	Introduced as a Honors Flexi Core course
29	HFC	EMBEDDED AI - EDGE INTELLIGENCE AND TINYML	HFC	4	Introduced as a Honors Flexi Core course
30	HFC	EMBEDDED LINUX & SECURE EDGE COMPUTING	HFC	4	Introduced as a Honors Flexi Core course
31	HFC	ADVANCED EMBEDDED SYSTEMS & REAL WORLD APPLICATIONS	HFC	4	Introduced as a Honors Flexi Core course
TRACK2 : GENERATIVE AI					
32	HFC	SCIENTIFIC APPROACHES FOR SEMANTIC VISION	HFC	4	Introduced as a Honors Flexi Core course
33	HFC	PRINCIPLES OF DEEP NEURAL COMPUTATION	HFC	4	Introduced as a Honors Flexi Core course
34	HFC	ENGINEERING LARGE LANGUAGE MODEL SYSTEMS	HFC	4	Introduced as a Honors Flexi Core course

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S. No	Course Code	Course Title	Course Type	Credits	Remarks
35	HFC	GENERATIVE AI, AGENTIC AI & RETRIEVAL AUGMENTED GENERATION	HFC	4	Introduced as a Honors Flexi Core course
36	HFC	MULTI-MODAL INTELLIGENCE	HFC	4	Introduced as a Honors Flexi Core course
TRACK 3 : BLOCK CHAIN, WEB3, FINTECH					
37	HFC	BLOCKCHAIN SYSTEMS & DISTRIBUTED LEDGER FOUNDATIONS	HFC	4	Introduced as a Honors Flexi Core course
38	HFC	MACHINE LEARNING FOR FINANCIAL RISK & BEHAVIORAL INTELLIGENCE	HFC	4	Introduced as a Honors Flexi Core course
39	HFC	SMART CONTRACTS & WEB3 APPLICATION ENGINEERING	HFC	4	Introduced as a Honors Flexi Core course
40	HFC	TOKENOMICS, DIGITAL ASSETS & CRYPTO INFRASTRUCTURE	HFC	4	Introduced as a Honors Flexi Core course
41	HFC	PRIVACY, COMPLIANCE & DECENTRALIZED SECURITY ENGINEERING	HFC	4	Introduced as a Honors Flexi Core course
HONORS THROUGH RESEARCH					
42	HRC	RESEARCH METHODOLOGY, ETHICS AND SCIENTIFIC COMPUTING	HRC	3	Introduced as a Honors Research Flexi Core course
43	HRC	INDEPENDENT STUDY AND RESEARCH	HRC	3	Introduced as a Honors Research Flexi Core course
44	HRC	RESEARCH SEMINAR	HRC	3	Introduced as a Honors Research Flexi Core course
45	HRC	TERM PAPER	HRC	3	Introduced as a Honors Research Flexi Core course
HONORS THROUGH INNOVATION					
46	HIC	ENTREPRENEURIAL TECHNOLOGY DEVELOPMENT AND PROTOTYPING	HIC	3	Introduced as a Honors Innovation Flexi Core course
47	HIC	PROBLEM DEFINITION AND VALIDATION	HIC	3	Introduced as a Honors Innovation Flexi Core course
48	HIC	PRODUCT DESIGN AND PROTOTYPE VALIDATION	HIC	3	Introduced as a Honors Innovation Flexi Core course
49	HIC	SCALABLE SOLUTION DEVELOPMENT	HIC	3	Introduced as a Honors Innovation Flexi Core course
HONORS THROUGH EXPERIENTIAL LEARNING					
TRACK 1 : SOFTWARE DEVELOPMENT AND ARCHITECTURE					

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S. No	Course Code	Course Title	Course Type	Credits	Remarks
50	HEC	PYTHON FULL STACK DEVELOPMENT	HEC	4	Introduced as Honors Experiential Flexi Core course
51	HEC	OPEN SOURCE ENGINEERING	HEC	4	Introduced as Honors Experiential Flexi Core course
52	HEC	VISUAL PROGRAMMING	HEC	4	Introduced as Honors Experiential Flexi Core course
53	HEC	MOBILE APPLICATION DEVELOPMENT	HEC	4	Introduced as Honors Experiential Flexi Core course
54	HEC	SCALABLE ARCHITECTURES FOR SOFTWARE DESIGN	HEC	4	Introduced as Honors Experiential Flexi Core course
TRACK 2 : AUTONOMOUS SYSTEMS					
55	HEC	EMBEDDED SYSTEMS PROGRAMMING & RTOS FOUNDATIONS	HEC	4	Introduced as Honors Experiential Flexi Core course
56	HEC	ECU DESIGN FOR AUTONOMOUS SYSTEMS	HEC	4	Introduced as Honors Experiential Flexi Core course
57	HEC	PERCEPTION ENGINEERING FOR AUTONOMY	HEC	4	Introduced as Honors Experiential Flexi Core course
58	HEC	AI FOR AUTONOMOUS NAVIGATION, CONTROL & EDGE INTELLIGENCE	HEC	4	Introduced as Honors Experiential Flexi Core course
59	HEC	CYBER PHYSICAL SECURITY IN AUTONOMOUS PLATFORMS	HEC	4	Introduced as Honors Experiential Flexi Core course
TRACK3 : BLOCK CHAIN, WEB3, FINTECH					
60	HEC	BLOCKCHAIN SYSTEMS & DISTRIBUTED LEDGER FOUNDATIONS	HEC	4	Introduced as Honors Experiential Flexi Core course
61	HEC	MACHINE LEARNING FOR FINANCIAL RISK & BEHAVIORAL INTELLIGENCE	HEC	4	Introduced as Honors Experiential Flexi Core course
62	HEC	SMART CONTRACTS & WEB3 APPLICATION ENGINEERING	HEC	4	Introduced as Honors Experiential Flexi Core course
63	HEC	TOKENOMICS, DIGITAL ASSETS & CRYPTO INFRASTRUCTURE	HEC	4	Introduced as Honors Experiential Flexi Core course
64	HEC	PRIVACY, COMPLIANCE & DECENTRALIZED SECURITY ENGINEERING	HEC	4	Introduced as Honors Experiential Flexi Core course

AI & AUTONOMOUS SYSTEMS

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S. No	Course Code	Course Title	Course Type	Credits	Remarks
65	FC	EMBEDDED SYSTEMS PROGRAMMING & RTOS FOUNDATIONS	FC	3	Introduced as Elective Course
66	PE-1	ECU DESIGN FOR AUTONOMOUS SYSTEMS	PE-1	4	Introduced as Elective Course
67	PE-2	PERCEPTION ENGINEERING FOR AUTONOMY	PE-2	3	Introduced as Elective Course
68	PE-3	AI FOR AUTONOMOUS NAVIGATION, CONTROL & EDGE INTELLIGENCE	PE-3	3.5	Introduced as Elective Course
69	PE-4	REAL-TIME NETWORKS, COMMUNICATION & SECURITY FOR AUTONOMOUS SYSTEMS	PE-4	3	Introduced as Elective Course
70	PE-5	CYBER-PHYSICAL SECURITY IN AUTONOMOUS PLATFORMS	PE-5	3	Introduced as Elective Course
71	OE-1	INDUSTRIAL AUTOMATION AND CONTROL	OE-1	3	Introduced as Elective Course
72	OE-2	VLSI DESIGN FUNDAMENTALS	OE-2	3	Introduced as Elective Course
73	OE-3	FUNDAMENTALS OF ROBOTICS	OE-3	3	Introduced as Elective Course
GENERATIVE AI FOR AGENTIC AND MULTI-MODAL INTELLIGENCE					
74	FC	EMBEDDED SYSTEMS PROGRAMMING & RTOS FOUNDATIONS	FC	3	Introduced as Elective Course
75	PE-1	ECU DESIGN FOR AUTONOMOUS SYSTEMS	PE-1	4	Introduced as Elective Course
76	PE-2	PERCEPTION ENGINEERING FOR AUTONOMY	PE-2	3	Introduced as Elective Course
77	PE-3	AI FOR AUTONOMOUS NAVIGATION, CONTROL & EDGE INTELLIGENCE	PE-3	3.5	Introduced as Elective Course
78	PE-4	REAL-TIME NETWORKS, COMMUNICATION & SECURITY FOR AUTONOMOUS SYSTEMS	PE-4	3	Introduced as Elective Course
79	PE-5	CYBER-PHYSICAL SECURITY IN AUTONOMOUS PLATFORMS	PE-5	3	Introduced as Elective Course
80	OE-1	INDUSTRIAL AUTOMATION AND CONTROL	OE-1	3	Introduced as Elective Course
81	OE-2	VLSI DESIGN FUNDAMENTALS	OE-2	3	Introduced as Elective Course
82	OE-3	FUNDAMENTALS OF ROBOTICS	OE-3	3	Introduced as Elective Course
HUMAN-CENTRIC AI SYSTEMS					
83	FC	DEEP LEARNING	FC	3	Introduced as Elective Course
84	PE1	MULTI-MODAL INFORMATION PROCESSING	PE1	4	Introduced as Elective Course

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S. No	Course Code	Course Title	Course Type	Credits	Remarks
85	PE2	NATURAL LANGUAGE PROCESSING	PE2	3	Introduced as Elective Course
86	PE2	COMPUTER VISION & OBJECT DETECTION	PE2	3	Introduced as Elective Course
87	PE3	LARGE LANGUAGE MODELS & CONVERSATIONAL AI	PE3	3.5	Introduced as Elective Course
88	PE3	IMAGE PROCESSING & SCENE UNDERSTANDING	PE3	3.5	Introduced as Elective Course
89	PE4	COMPUTATIONAL PARALINGUISTICS - PE2	PE4	3	Introduced as Elective Course
90	PE4	VISION TRANSFORMERS & GENERATIVE MODELS FOR VISION	PE4	3	Introduced as Elective Course
91	PE5	SPEECH PROCESSING - - - PE3	PE5	3	Introduced as Elective Course
92	PE5	AI ETHICS, FAIRNESS & RESPONSIBLE DEPLOYMENT	PE5	3	Introduced as Elective Course
93	PE5	HUMAN-AI INTERACTION & USER-CENTERED DESIGN	PE5	3	Introduced as Elective Course
DATA SCIENCE & ENGINEERING FOR AI					
94	FC	FUNDAMENTALS OF DATA ENGINEERING	FC	3	Introduced as Elective Course
95	PE1	DATA ANALYTICS & VISUALIZATION	PE1	4	Introduced as Elective Course
96	PE2	DATA EXPLORATION & PREPARATION	PE2	3	Introduced as Elective Course
97	PE2	DATA WAREHOUSING & BUSINESS INTELLIGENCE	PE2	3	Introduced as Elective Course
98	PE3	BIG DATA ENGINEERING	PE3	3.5	Introduced as Elective Course
99	PE3	BUSINESS ANALYTICS	PE3	3.5	Introduced as Elective Course
100	PE4	AI-DRIVEN DATA ENGINEERING	PE4	3	Introduced as Elective Course
101	PE4	DATA GOVERNANCE ON CLOUD	PE4	3	Introduced as Elective Course
102	PE5	DATA ANALYTICS ON CLOUD	PE5	3	Introduced as Elective Course
103	PE5	GRAPH & WEB ANALYTICS	PE5	3	Introduced as Elective Course
DATA LAKE SYSTEMS & STREAMING ANALYTICS					
104	FC	FOUNDATIONS OF REAL-TIME DATA ENGINEERING	FC	3	Introduced as Elective Course
105	PE1	STREAMING DATA ARCHITECTURES & FRAMEWORKS	PE1	4	Introduced as Elective Course
106	PE2	DESIGNING REAL-TIME DATA PIPELINES	PE2	3	Introduced as Elective Course
107	PE3	DATA LAKES & STREAM-ORIENTED STORAGE SYSTEMS	PE3	3.5	Introduced as Elective Course

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S. No	Course Code	Course Title	Course Type	Credits	Remarks
108	PE4	REAL-TIME ANALYTICS & COMPLEX EVENT PROCESSING	PE4	3	Introduced as Elective Course
109	PE5	STREAMING ANALYTICS FOR IOT AND EDGE ENVIRONMENTS	PE5	3	Introduced as Elective Course
CLOUD NATIVE APPLICATION ENGINEERING & DEVOPS					
110	FC	FOUNDATIONS OF CLOUD-NATIVE COMPUTING & DEVOPS (FCNC)	FC	3	Introduced as Elective Course
111	PE-1	CLOUD-NATIVE APPLICATION DEVELOPMENT & CONTAINER ORCHESTRATION (CNAD)	PE-1	4	Introduced as Elective Course
112	PE-2	CLOUD-NATIVE ARCHITECTURE & INFRASTRUCTURE AS CODE (CNAI)	PE-2	3	Introduced as Elective Course
113	PE_3	ADVANCED DEVOPS, OBSERVABILITY & RELIABILITY ENGINEERING (DORS)	PE_3	3.5	Introduced as Elective Course
114	PE-4	CLOUD-NATIVE MLOPS & AI-DRIVEN APPLICATION DEPLOYMENT (CNMA)	PE-4	3	Introduced as Elective Course
115	PE-5	HIGH-PERFORMANCE & SECURE CLOUD-NATIVE SYSTEMS (HPSCNS)	PE-5	3	Introduced as Elective Course
AI DRIVEN EDGE COMPUTING					
116	FC	FOUNDATIONS OF AI-ENABLED EDGE COMPUTING	FC	3	Introduced as Elective Course
117	PE1	EDGE AI HARDWARE ARCHITECTURES & ACCELERATION	PE1	4	Introduced as Elective Course
118	PE2	SECURE & SCALABLE EDGE AI NETWORKING	PE2	3	Introduced as Elective Course
119	PE3	SERVICE MESH & OBSERVABILITY FOR EDGE AI	PE3	3.5	Introduced as Elective Course
120	PE4	SERVERLESS & COST-OPTIMIZED AI AT THE EDGE	PE4	3	Introduced as Elective Course
121	PE5	EDGE AI ORCHESTRATION & LIFECYCLE MANAGEMENT	PE5	3	Introduced as Elective Course
CLOUD AI & ACCELERATED COMPUTING					
122	FC	FOUNDATIONS OF CLOUD BASED SCIENTIFIC COMPUTING & HARDWARE ACCELERATION	FC	3	Introduced as Elective Course
123	PE-1	CPU PROGRAMMING & HARDWARE ACCELERATION FOR AI & HPC	PE-1	4	Introduced as Elective Course
124	PE 2	PARALLEL & FUNCTIONAL PROGRAMMING FOR SCIENTIFIC APPLICATIONS	PE-2	3	Introduced as Elective Course

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S. No	Course Code	Course Title	Course Type	Credits	Remarks
125	PE-3	ADVANCED COMPUTER ARCHITECTURES FOR HARDWARE ACCELERATION	PE-3	3.5	Introduced as a Elective Course
126	PE-3	QUANTUM PROGRAMMING FUNDAMENTALS	PE-3	3.5	Introduced as a Elective Course
127	PE-4	CLOUD ARCHITECTURES FOR HPC & AI WORKLOADS	PE-4	3	Introduced as a Elective Course
128	PE-4	QUANTUM ALGORITHMS FOR AI & OPTIMIZATION	PE-4	3	Introduced as a Elective Course
129	PE-5	MLOPS & SCIENTIFIC WORKFLOW AUTOMATION IN CLOUD	PE-5	3	Introduced as a Elective Course
130	PE-5	HYBRID QUANTUM—CLASSICAL CLOUD SYSTEMS	PE-5	3	Introduced as a Elective Course
CYBER THREAT INTELLIGENCE AND SECURITY OPERATIONS					
131	Core	INFORMATION ASSURANCE & SECURITY	Core	3	Introduced as a Elective Course
132	FC	CYBER THREAT INTELLIGENCE	FC	3	Introduced as a Elective Course
133	PE1	DIGITAL FORENSICS & INCIDENT RESPONSE	PE1	4	Introduced as a Elective Course
134	PE1	MALWARE ANALYSIS & REVERSE ENGINEERING	PE1	4	Introduced as a Elective Course
135	PE2	ETHICAL HACKING & OFFENSIVE SECURITY	PE2	3	Introduced as a Elective Course
136	PE2	VULNERABILITY ASSESSMENT & PENETRATION TESTING	PE2	3	Introduced as a Elective Course
137	PE3	BLUE TEAM OPERATIONS & SIEM	PE3	3.5	Introduced as a Elective Course
138	PE3	SOC MANAGEMENT	PE3	3.5	Introduced as a Elective Course
139	PE4	CLOUD SECURITY	PE4	3	Introduced as a Elective Course
140	PE4	DEVSECOPS & INFRASTRUCTURE SECURITY	PE4	3	Introduced as a Elective Course
141	PE5	QUANTUM CRYPTOGRAPHY & POST QUANTUM SECURITY	PE5	3	Introduced as a Elective Course
142	PE5	APPLIED CRYPTOGRAPHY FOR CYBERSECURITY	PE5	3	Introduced as a Elective Course
BLOCKCHAIN ENGINEERING FOR WEB3					
143	FC	FOUNDATIONS OF BLOCKCHAIN ENGINEERING	FC	3	Introduced as a Elective Course
144	PE1	SMART CONTRACT DEVELOPMENT & TESTING	PE1	4	Introduced as a Elective Course
145	PE2	BLOCKCHAIN NETWORK ARCHITECTURE & CONSENSUS MECHANISMS	PE2	3	Introduced as a Elective Course
146	PE3	WEB3 APPLICATION DEVELOPMENT & INTEGRATION	PE3	3.5	Introduced as a Elective Course

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S. No	Course Code	Course Title	Course Type	Credits	Remarks
147	PE4	DECENTRALIZED FINANCE (DEFI) SYSTEMS ENGINEERING	PE4	3	Introduced as Elective Course
148	PE4	POST QUANTUM CRYPTOGRAPHY FOR BLOCKCHAIN	PE4	3	Introduced as Elective Course
149	PE5	DECENTRALIZED STORAGE, IDENTITY & MIDDLEWARE SYSTEMS	PE5	3	Introduced as Elective Course
150	PE5	QUANTUM ALGORITHMS FOR BLOCKCHAIN DATA ANALYSIS	PE5	3	Introduced as Elective Course
DISTRIBUTED LEDGER ANALYTICS					
151	FC	DATA ENGINEERING FOR FINANCIAL SYSTEMS	FC	3	Introduced as Elective Course
152	PE-1	BLOCKCHAIN SYSTEMS & DISTRIBUTED LEDGER FOUNDATIONS	PE-1	4	Introduced as Elective Course
153	PE-2	MACHINE LEARNING FOR FINANCIAL RISK & BEHAVIORAL INTELLIGENCE	PE-2	3	Introduced as Elective Course
154	PE-3	SMART CONTRACTS & WEB3 APPLICATION ENGINEERING	PE-3	3.5	Introduced as Elective Course
155	PE-4	TOKENOMICS, DIGITAL ASSETS & CRYPTO INFRASTRUCTURE	PE-4	3	Introduced as Elective Course
156	PE-5	PRIVACY, COMPLIANCE & DECENTRALIZED SECURITY ENGINEERING	PE-5	3	Introduced as Elective Course
157	OE-1	FINANCIAL MATHEMATICS & RISK ANALYTICS	OE-1	3	Introduced as Elective Course
158	OE-2	FOUNDATIONS OF FINANCIAL SYSTEMS & MARKETS	OE-2	3	Introduced as Elective Course
159	OE-3	ACCOUNTING, COMPLIANCE & FINANCIAL STATEMENT ANALYSIS	OE-3	3	Introduced as Elective Course
INTELLIGENT GAME DEVELOPMENT & IMMERSIVE TECHNOLOGIES					
160	FC	GAME SYSTEMS DESIGN AND DEVELOPMENT	FC	3	Introduced as Elective Course
161	PE1	GAME DEVELOPMENT WITH UNREAL ENGINE (C++)	PE1	4	Introduced as Elective Course
162	PE1	GAME DEVELOPMENT WITH UNITY ENGINE (C#)	PE1	4	Introduced as Elective Course
163	PE2	MULTIPLAYER GAME DEVELOPMENT AND NETWORKING	PE2	3	Introduced as Elective Course
164	PE2	GAME DEVOPS AND CLOUD DEPLOYMENT	PE2	3	Introduced as Elective Course
165	PE3	3D GAME PROGRAMMING AND PHYSICS SIMULATION	PE3	3.5	Introduced as Elective Course
166	PE3	PROCEDURAL WORLD BUILDING	PE3	3.5	Introduced as Elective Course

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S. No	Course Code	Course Title	Course Type	Credits	Remarks
167	PE4	IMMERSIVE GAME DEVELOPMENT	PE4	3	Introduced as Elective Course
168	PE4	SPATIAL COMPUTING FOR INTERACTIVE SYSTEMS	PE4	3	Introduced as Elective Course
169	PE5	GAME AI AND AUTONOMOUS AGENTS	PE5	3	Introduced as Elective Course
170	PE5	GENERATIVE AI IN GAME DESIGN	PE5	3	Introduced as Elective Course
EMBEDDED SYSTEMS					
171	FC-1	EMBEDDED SYSTEMS INTERFACING & COMMUNICATION PROTOCOLS	FC-1	3	Introduced as Elective Course
172	FC-2	EMBEDDED PLATFORM PORTING & CROSS RTOS ENGINEERING	FC-2	3	Introduced as Elective Course
173	PE1	EMBEDDED SYSTEMS DESIGN - HARDWARE-SOFTWARE CO-DESIGN	PE1	4	Introduced as Elective Course
174	PE2	EMBEDDED SYSTEMS INTERFACING & COMMUNICATION PROTOCOLS	PE2	3	Introduced as Elective Course
175	PE3	EMBEDDED AI - EDGE INTELLIGENCE AND TINYML	PE3	3.5	Introduced as Elective Course
176	PE4	EMBEDDED LINUX & SECURE EDGE COMPUTING	PE4	3	Introduced as Elective Course
177	PE5	ADVANCED EMBEDDED SYSTEMS & REAL-WORLD APPLICATIONS	PE5	3	Introduced as Elective Course
178	OE 1	INDUSTRIAL AUTOMATION AND CONTROL	OE-1	3	Introduced as Elective Course
179	OE 2	VLSI DESIGN FUNDAMENTALS	OE-2	3	Introduced as Elective Course
180	OE 3	FUNDAMENTALS OF ROBOTICS	OE-3	3	Introduced as Elective Course
GREEN & SUSTAINABLE DIGITAL SYSTEMS					
181	PE1	GREEN SOFTWARE ENGINEERING	PE1	4	Introduced as Elective Course
182	PE2	GREEN ALGORITHMS AND SUSTAINABLE APP DESIGN	PE2	3	Introduced as Elective Course
183	PE3	SUSTAINABLE CLOUD AND EDGE COMPUTING	PE3	3.5	Introduced as Elective Course
184	PE4	HARDWARE FOR SUSTAINABLE DIGITAL INFRASTRUCTURE	PE4	3	Introduced as Elective Course
185	PE5	SMART INFRASTRUCTURE FOR GREEN DATA CENTERS	PE5	3	Introduced as Elective Course
186	OE-1	SUSTAINABILITY AND ENVIRONMENTAL AWARENESS IN THE DIGITAL ERA	OE-1	3	Introduced as Elective Course
187	OE-2	DESIGNING RESILIENT AND SUSTAINABLE URBAN SYSTEMS	OE-2	3	Introduced as Elective Course

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S. No	Course Code	Course Title	Course Type	Credits	Remarks
188	OE-3	ENVIRONMENTAL IMPACTS OF THE DIGITAL LIFESTYLE	OE-3	3	Introduced as Elective Course
189	ME	SUSTAINABILITY LEADERSHIP AND STRATEGIC IMPACT	ME	3	Introduced as Elective Course
QUANTUM TECHNOLOGIES					
190	Elective	FOUNDATIONS OF QUANTUM COMPUTING: PHYSICS, ENGINEERING, AND MATHEMATICS COMPUTING	Elective	3	Introduced as Elective Course
191	Elective	SURVEY OF QUANTUM TECHNOLOGIES AND APPLICATIONS	Elective	3	Introduced as Elective Course
192	Elective	FOUNDATIONS OF QUANTUM TECHNOLOGIES	Elective	3	Introduced as Elective Course
193	Elective	BASIC PROGRAMMING LAB	Elective	3	Introduced as Elective Course
194	Elective	BASIC LABORATORY COURSE FOR QUANTUM TECHNOLOGIES	Elective	3	Introduced as Elective Course
195	Elective	INTRODUCTION TO QUANTUM COMPUTATION	Elective	3	Introduced as Elective Course
196	Elective	INTRODUCTION TO QUANTUM COMMUNICATION	Elective	3	Introduced as Elective Course
197	Elective	INTRODUCTION TO QUANTUM SENSING	Elective	3	Introduced as Elective Course
198	Elective	INTRODUCTION TO QUANTUM MATERIALS	Elective	3	Introduced as Elective Course
199	Elective	ENGINEERING FOUNDATIONS OF QUANTUM TECHNOLOGIES	Elective	3	Introduced as Elective Course
200	Elective	SOLID STATE PHYSICS FOR QUANTUM TECHNOLOGIES	Elective	3	Introduced as Elective Course
201	Elective	QUANTUM OPTICS	Elective	3	Introduced as Elective Course

The detailed syllabus for the list of proposed courses is given in Annexure-2

AGENDA ITEM-3

To consider and approve revised syllabus for 2025-26 admitted batch B. Tech CSE Students based on the feedback received from stakeholders.

Resolution: Approved the revision of syllabus for B.Tech 2025-26 admitted batch and the same is recommended to Academic Council.

To consider and approve the revision of syllabus for 2025-26 admitted batch students based on the stake holders feedback.

1. Dr. Vivek S Deshpande, Academic Peer, I proposed suggested that the course "QUANTUM COMPUTING" contained adequate the

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but lacked hands-on programming exercises with quantum simulators and real world case studies. They also recommended aligning topics with the latest industry tools and research trends.

2. The course "AUTONOMOUS DRIVER ASSISTIVE SYSTEMS" to include simulation-based labs using tools like MATLAB/Simulink and CARLA, additional industry case studies, and project-based assessments to bridge the gap between theory and practice.
3. The course "AI AND CONTROLS FOR AUTONOMOUS FUTURE TRANSPORT" authorized the plan was curriculum was updated to include hands on simulation sessions using platforms like ROS and MATLAB, integration of real-world autonomous vehicle case studies, and mini projects to improve applied learning.
4. Mr. R S V Badrinath, Industry Person, suggested including "Applied Deep Learning for Autonomous Systems" was revised to include reinforcement learning techniques, edge AI implementation strategies, and practical modules on sensor fusion, along with case studies from industry applications to bridge the skill gap.
5. Mr. Akhandam Venket Aditya, Industry Person, suggested including "Generative Adversarial Networks" secured fundamental GAN concepts, syllabus was updated to include advanced GAN architectures, quantitative and qualitative evaluation methods, hands-on projects using real datasets, and discussions on deployment and ethical considerations in GAN applications.
6. Dr V K Gnanavel Professor, Academic Peer, I proposed suggested that the course "Fuzzy Logic with Set Theory" has formally sanctioned the request accordingly, the course was structured to cover course was revised by adding MATLAB/Python-based fuzzy system design labs, real-world case studies, and application-focused assignments to bridge theory and practice.

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7. Dr. D. William Albert, Academic Peer, I proposed suggested that the course "Deep Learning" concepts course was revised to include advanced topics, additional lab sessions using TensorFlow/PyTorch, and projects based on real-world datasets to enhance applied skills.
8. DR. P. LAKSHMI PRASANNA, Faculty, course "Object Detection" now includes comprehensive modules on deep learning-based object detection frameworks, dataset annotation tools, and evaluation methods such as mAP and IoU. Additional lab sessions and mini-projects using frameworks like PyTorch and TensorFlow have been integrated to strengthen industry-oriented skills.
9. Dr. V. Ramalingam, Alumni, I recommend the curriculum course "Edge Computing Fundamentals" was updated to include modules on edge AI integration, security challenges, and optimization techniques. Industry case studies on smart cities, autonomous vehicles, and IoT-enabled healthcare were added. Hands-on labs using platforms like AWS Greengrass and Azure IoT Edge were introduced to strengthen applied learning.
10. T. Chitralekha, Academic Peer, I proposed suggested that the course "EDGE AI Architectures and Applications" course was revised to include modules on edge AI hardware platforms (NVIDIA Jetson, Coral TPU), deployment pipelines, and performance optimization. Practical labs with TensorFlow Lite and OpenVINO were added, along with case studies from manufacturing, smart cities, and healthcare applications.
11. G S Raghavendra, Academic Peer, I proposed suggested that the course "Applied Machine Learning for Text Analysis" to cover core topics revised course now includes transformer models, contextual embeddings, and fine-tuning methods for domain-specific tasks. Hands-on labs were expanded to cover sentiment analysis, topic modelling, and named entity recognition using real-world datasets. Capstone projects

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involving large-scale text analytics pipelines were added for industry readiness.

12. Mr. SAROJ KUMAR DHAKAL, Industry Person, suggested including "Conversational AI and Chatbot Development" topics like modules on Rasa, Dialog flow CX, and LLM-based conversational models. Students practice building multi-turn, context-aware chatbots with API and database integration. Deployment, analytics, and chatbot optimization techniques have been incorporated, along with case studies from real-world enterprise applications.
13. Sohas Achanta, Alumni, I recommend course "Cloud and Serverless Computing" now includes extensive hands-on labs with AWS Lambda, Azure Functions, and Google Cloud Functions. Students work on end-to-end projects involving event-driven architectures, API integration, and CI/CD pipelines. Modules on monitoring, scaling, and cost optimization have been added to align the curriculum with industry expectations.
14. Mr. Uppala Gopala Rao, Alumni, I Recommend "Cloud Infrastructure Engineering" has been revised to include extensive labs on Terraform, Ansible, and Kubernetes for cloud infrastructure automation and orchestration. Hybrid and multi-cloud deployment strategies have been added, along with case studies from industry. A capstone project now requires students to design, deploy, and monitor a complete enterprise-grade cloud infrastructure.
15. DR. B VENKATESWARLU, I Recommend course "Cloud Infrastructure Architecture and Engineering" was structured to include cloud computing fundamentals, distributed and parallel programming, cloud infrastructure for scientific applications, containerized scientific workflows, and tools for monitoring and optimizing computing tasks. Practical assignments and projects with real-world scientific datasets

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and simulations are integrated to ensure alignment with academic rigor and research relevance.

16. MR. JONNALAGADDA SURYA KIRAN, Faculty, course "Foundations of Cloud Native Computing" was revised to include detailed modules on Kubernetes, Helm, service meshes (e.g., Istio), and container security. CI/CD pipeline implementation with GitOps practices was added, along with practical labs using Prometheus and Grafana for monitoring cloud-native workloads.
17. Ch. Ramesh Kumar, Academic Peer, I proposed suggested that the course "Software Engineering for Cloud Computing" was revised to include detailed modules on microservices design, DevOps workflows, and cloud-native testing frameworks. Hands-on sessions with container orchestration tools (e.g., Kubernetes) and CI/CD platforms were added, along with team-based cloud application development projects.
18. Dr K RAVINDRANATH, Faculty, course "FUNDAMENTALS OF CLOUD-BASED SCIENTIFIC COMPUTING" curriculum the curriculum was enhanced by adding modules on cloud HPC integration, distributed scientific data storage, and case studies from bioinformatics, climate modelling, and physics simulations. Cloud lab sessions and real world dataset projects were introduced to strengthen practical skills.
19. Dr. Vivek S Deshpande, Academic Peer, I highly recommend the subject course "Cloud-Based High-Performance Computing" was revised to incorporate modules on leading cloud HPC services (AWS Parallel Cluster, Azure CycleCloud, etc.), performance monitoring tools, and benchmarking techniques. Practical lab sessions were added for deploying HPC workloads on cloud platforms, along with discussions on cost management and optimization strategies.
20. Dr. P. V. VARA PRASAD, Faculty, proposal course "DATA STRUCTURES" curriculum was developed to include fundamental data structures.

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arrays, linked lists, stacks, queues, trees, graphs, and hashing, with hands-on coding sessions and algorithm analysis. Regular assessments and projects were incorporated to reinforce learning and application.

21. Mr. T. RAVI KUMAR, Faculty "DESIGN AND ANALYSIS OF ALGORITHMS" approved the recommendation syllabus was updated to add advanced topics like approximation algorithms and randomized algorithms, more industry-related examples, and hands-on problem-solving sessions through coding platforms to strengthen application skills.
22. The course "Introduction to Blockchain Technology, Cryptocurrencies, and Tokens" was updated to include lab sessions on creating and using cryptocurrency wallets, simulating blockchain transactions, and exploring smart contract deployment on platforms like Ethereum. Additional case studies and industry examples were incorporated to provide practical context.
23. The course "Decentralized Applications and Decentralized Web" was revised to include hands-on labs using frameworks like Ethereum, IPFS, and Polygon for DApp development. Practical sessions on decentralized identity, storage, and smart contract deployment were added, along with example projects for better application-oriented learning.
24. Dr. K. NAGARJUNA, Faculty, course "Introduction to Cloud Native Computing" was revised to include detailed modules on Kubernetes orchestration, Istio-based service mesh implementation, and cloud-native monitoring tools. Practical labs and case studies were integrated to bridge theory with real-world cloud-native deployment practices.
25. Dr. Ruth Ramya, Faculty, course "Container Security" was updated to include modules on container vulnerability scanning using tools like Trivy and Clair, runtime protection with Falco, and compliance frameworks such as CIS Benchmarks. Hands-on labs and simulated attack-defence exercises were added for applied learning.

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26. Dr RUTH RAMYA, Faculty, I observed the course "CYBER DEFENCE AND CRYPT ANALYSIS (CYBER SECURITY)" modules on advanced cryptanalysis techniques, current cyber-attack trends, and zero-day vulnerability assessment. Additional lab sessions with industry-grade tools and virtual lab simulations were introduced. Real-world case studies and guest lectures from security experts were integrated to strengthen applied skills and bridge the gap between theory and practice.
27. Dr. Sanjiv ningthoujam, Academic Peer, I highly recommend the subject syllabus was updated to include dedicated modules on mobile device forensics, cloud environment investigations, and legal frameworks. Industry-relevant case studies and lab sessions using tools like Autopsy, FTK, and EnCase were added to enhance practical understanding and investigative skills. topics like fake opinion detection and intention mining. Practical assignments, real-world data analysis projects, and hands-on labs using relevant tools and frameworks ensure students gain both theoretical knowledge and applied skills aligned with current academic and industry standards.
28. DR.K. V. RAJU, Faculty, revised "Fundamentals of Data Engineering: " to include modules on data lakes, data mesh, and streaming platforms like Apache Kafka. Additional industry-based case studies and hands-on labs were integrated to provide students with both theoretical knowledge and applied skills relevant to real-world data engineering challenges.
29. Dr. T.Sajana., Faculty, " Big Data Technologies" to incorporate Apache Spark, cloud big data services (AWS EMR, Google BigQuery, Azure Synapse), and hands-on labs using real datasets. Additional assignments and projects were introduced to strengthen students' ability to implement and optimize big data workflows.

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30. A. Aparna, Alumni, I Recommend course "Data Analytics and Visualization" was revised to include modules on interactive visualization tools like Tableau, Power BI, and Plotly, along with case studies using industry datasets. A new capstone project focusing on end-to-end analytics and data storytelling was introduced to bridge the skill gap.
31. P. Siva bala vinodh, Alumni, I Recommend "Big Data Analytics" updated to include practical labs on Hadoop, Spark, and cloud-based big data services. Real-world case studies from multiple industries were incorporated, and a comprehensive project was added to give students experience in processing and analyzing large datasets end-to end.
32. Dr. P. Harini, Academic Peer, I highly recommend course "Sentiment Analysis" was updated to include transformer architectures (BERT, RoBERTa), multimodal sentiment analysis, and sentiment detection in audio-visual data. New case studies from social media, e-commerce, and media analytics were added, along with hands-on lab sessions using Hugging Face and multimodal datasets.
33. Mr. Kajal Tiwari, Industry Person, suggested including "Social Media Marketing Analytics" the curriculum was updated to include modules on Google Analytics 4, Facebook Insights, and sentiment analysis tools. Real-time data projects and industry case studies were introduced to simulate market scenarios. Additional workshops on campaign optimization, ROI calculation, and performance metrics were added to strengthen practical expertise.
34. Mr. Vishnu vardhan, Industry Person, suggested including course "FULL STACK APPLICATION DEVELOPMENT" was updated to include React/Angular for front-end, Node.js/Django for back-end, RESTful APIs, cloud deployment, and hands-on full-cycle application projects to strengthen industry readiness.

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35. N Lakshmi Narayana, Academic Peer, I highly recommend the subject "FUNDAMENTALS OF MOBILE APPLICATION DEVELOPMENT" syllabus was updated to include modules on Flutter and React Native, providing students with exposure to contemporary cross-platform development. Hands-on lab sessions were increased by 30%, focusing on building real mobile applications. Learning resources were revised to incorporate up-to-date tutorials, official documentation, and case studies from recent industry projects, improving the overall course quality.
36. T.V S vivek, Alumni, I Recommend the course " Secure Mobile Application Development" was revised to include hands-on labs on mobile application penetration testing, OWASP MASVS compliance, and secure coding patterns for Android and iOS. Case studies of real-world breaches were integrated, and a security audit project was added to strengthen practical skills.
37. Mr. R S V Badrinath, Industry Person, suggested including "Programming for Game Development" the course syllabus was revised to cover Unity and Unreal Engine with hands-on training in C# and Blueprint scripting. Collaborative team projects were incorporated to simulate industry workflows. Additional sessions on game performance optimization, debugging, and best practices were added to enhance student skills.
38. Murali Mohan Setty, Industry Person, suggested including "AR and VR Application Development" was updated to integrate labs using Oculus and HTC Vive devices along with Unity XR Toolkit. New modules focusing on UX design principles tailored for AR/VR were added. Real-world project assignments and detailed case studies from industry leaders were incorporated to provide practical insights and improve student readiness.

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39. N Lakshmi Narayana, Alumni, I highly recommend the subject "spatial data visualization techniques" the curriculum was enhanced with additional modules covering geospatial machine learning, advanced interactive dashboard creation, and multiple case studies based on current industry applications. Extended hands-on labs using popular spatial data visualization platforms and programming libraries were incorporated to align academic learning with evolving market and research demands.
40. Dr Ohm Prakash, Academic Peer, I highly recommend the subject "Spatial Computing Platforms and Development" syllabus was revised to integrate detailed modules on ARKit, ARCore, and Microsoft Mesh, highlighting their development environments and capabilities. Project-based assignments were increased, emphasizing hands-on development of spatial computing applications. Case studies from healthcare, urban planning, and other fields were incorporated to demonstrate real-world applications, enriching the learning experience.
41. Dr. Rajya Lakshmi, Faculty, Course "INDIAN KNOWLEDGE SYSTEMS: VEDIC MATHEMATICS" was revised to include practical problem sets, competitive exam-style applications, and comparative exercises with modern mathematics. Additional workshops and interactive sessions were introduced to reinforce learning through real-world examples.
42. Mr. Poothabalan Somasundaram, Industry Person, suggested including "FUNDAMENTALS OF IOT AND SENSORS" revised to include IoT security modules, training on MQTT and CoAP protocols, and integration of real-time data analytics using cloud platforms. Industry-based mini projects were introduced to improve practical skills and employability.
43. Mr. Madhu Bodapati r, Industry Person, suggested including "DESIGN THINKING FOR INNOVATION" to include case studies from diverse industries, sessions on digital prototyping tools like Figma and Adobe XD.

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a capstone project in collaboration with industry partners to solve real business problems.

44. Mr. P. Somasundaram, Industry Person, suggested including "FUNDAMENTALS OF IOT AND SENSORS" revised to include IoT security modules, training on MQTT and CoAP protocols, and integration of real-time data analytics using cloud platforms. Industry-based mini-projects were introduced to improve practical skills and employability.
45. Dr.A.S.C.S.SASTRY, Faculty, I observed the course " BASIC ELECTRICAL AND ELECTRONIC CIRCUITS" had limited coverage of modern electronic components and practical troubleshooting techniques, focusing mainly on theoretical circuit analysis.
46. Dr. Narasimha Raju, Faculty, A revision for the DESIGN THINKING & INNOVATION course is highly recommended to the course effectively introduced design thinking concepts, it lacked sufficient hands-on projects and real-world problem scenarios for students to practice innovative solution development.

S. No	Course Code	Course Title	Course Type	Percentage of Revision	Remarks
1	24CS3207	QUANTUM COMPUTING	BSC	20%	Based on Academic peer Feedback
2	24SDCS02	FULL STACK APPLICATION DEVELOPMENT	SDC	20%	Based on Faculty Feedback
3	24UC0017	INDIAN KNOWLEDGE SYSTEMS : VEDIC MATHEMATICS	ALIC	10%	Based on Faculty Feedback
4	25FC1101	BASIC ELECTRICAL AND ELECTRONIC CIRCUITS	ESC	20%	Based on Faculty Feedback
5	25UC1203	DESIGN THINKING FOR INNOVATION	HAS	5%	Based on Faculty Feedback

The detailed syllabus for the list of revised courses is given in Annexure-3(a)

The detailed feedback and action taken report is presented in Annexure-3(b)

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AGENDA ITEM-4

To discuss and approve the 2025-26 admitted batch academic structure of B.Tech CSE offered by CSE department.

Resolution: Approved 2025-26 admitted batch academic structure of B.Tech program offered by CSE department and the same is recommended to Academic Council for approval.

The BoS Chairman initiated a detailed discussion on the proposed 2025-26 academic structure of the B.Tech-CSE program, highlighting its alignment with emerging industry trends and the Y25 framework. He emphasized the importance of updating the curriculum to enhance employability, skill development, and academic rigor, ensuring students are well-prepared for future technological advancements.

The detailed Course Structure proposed for 2025-26 admitting batch B.Tech -CSE program is given in Annexure-4 (a).

The detailed Course Structure proposed for 2025-26 admitting batch B.Tech -CSE program with advanced courses is given in Annexure-4 (b).

AGENDA ITEM-5

To discuss and approve the course structure revision proposal for the 2024-25 admitted batch of the B.Tech CSE program, applicable from the second year onwards, in alignment with the proposed course structure of 2025-26 admitted batch.

Resolution: Approved revised course structure of 2024-25 admitted batch of B.Tech program applicable from the second year onwards, in alignment with the proposed course structure of 2025-26 admitted batch and the same is recommended to Academic Council for approval.

The BoS Chairman discussed the course structure revision proposal for the 2024-25 admitted B.Tech CSE batch, emphasizing its alignment with the proposed 2025-26 curriculum. He highlighted its importance in ensuring continuity, standardization, and readiness for future academic and industry requirements.

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The detailed revised Course Structure for 2024-25 admitting batch B.Tech -CSE program is given in Annexure-5.

To consider and approve the Program Development Documents (PDDs) of UG and PG programs offered by the CSE department.

Resolution: Approved PDDs and the same is recommended to Academic Council for approval

The BoS Chairman presented the Program Development Documents (PDDs) of both UG and PG programs offered by the CSE department and emphasized their role in streamlining curriculum design and outcome-based education. He highlighted the importance of approving the PDDs to ensure academic quality, compliance with regulatory standards, and alignment with industry expectations.

The Program Development Document (PDD) for B.Tech-Computer Science and Engineering is given in Annexure-6(a).

The Program Development Document (PDD) for M.Tech-Computer Science and Engineering is given in Annexure-6(b).

To consider and approve the revised syllabus for Ph.D. CSE Students.

Resolution: Approved the revision for Ph.D. CSE Students and the same is recommended to Academic Council.

The BoS Chairman presented the revised syllabus for Ph.D. CSE students, highlighting its significance in strengthening research orientation and aligning coursework with emerging domains in computer science. He stressed that the updated structure would enhance research quality, rigor, and relevance to current academic and industry needs.

The details of the revision courses of the paper-2 are given in Annexure - 7(a)

The details of the revision courses of the paper-3 are given in Annexure - 7(b)

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AGENDA ITEM-8

To consider and approve the list of Value-Added courses offering to B. Tech -CSE 2022-23, 2023-24, 2024-25 and 2025-26 admitted batch students.

Resolution: Approved the list of Value-Added courses offering to B. Tech -CSE 2022-23, 2023, 2024-25 and 2025-26 admitted batch students.

Incorporating value-added courses into the curriculum enhances student's learning by offering practical skills and knowledge aligned with industry needs. These courses boost employability, encourage innovation, and equip students with a comprehensive skill set, readying them for a dynamic job market. They nurture critical thinking, problem-solving skills, and adaptability, empowering students to thrive in their careers and make meaningful contributions to society and all the Bos members recommended to offer a list of value-added courses to 2022-23, 2023-24 and 2024-25 admitted batch students.

It is resolved to offer the proposed list of value-added courses to B. Tech -CSE 2022-23, 2023-24, 2024-25 and 2025-26 admitted batch students. The resolution is recommended to the Academic Council for approval.

The detailed list of Value-Added Courses is given in Annexure-8

AGENDA ITEM-9

To consider and approve degree exit requirements for Y22 regulation

Resolution: Approved the degree exit requirements for Y22 regulation and the same is recommended to Academic Council.

The BoS Chairman discussed the degree exit requirements for the Y22 regulation, stressing the need to clearly define academic and credit requirements for timely graduation. He highlighted that the approval would ensure transparency, uniformity, and compliance with institutional and accreditation standards.

The detailed consolidation and the list of courses are given in Annexure-9

AGENDA ITEM-10

To consider and approve Self Learning Policy document for B.Tech CSE students from AY 2025-26 onwards.

Resolution: Approved the Self-Learning Policy document for B.Tech CSE students

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from AY 2025-26 onwards and the same is recommended to Academic Council.

The BoS Chairman presented the Self-Learning Policy document for B.Tech CSE students, applicable from AY 2025-26, emphasizing its role in fostering independent learning, adaptability, and lifelong skill development. He underlined its importance in equipping students to cope with emerging technologies and industry-driven learning models.

The self-learning policy document is given in Annexure-10

AGENDA ITEM-11

To discuss and approve the 2025-26 admitted batch academic structure of M.Tech-CSE offered by CSE department.

Resolution: Approved 2025-26 admitted batch academic structure of M.Tech program offered by CSE department and the same is recommended to Academic Council for approval.

The BoS Chairman discussed the proposed academic structure for the 2025-26 admitted batch of the M.Tech CSE program, highlighting its alignment with advanced computing trends, research orientation, and industry demands. He emphasized that its approval is crucial for strengthening postgraduate education and enhancing employability and innovation.

The detailed Course Structure proposed for 2025-26 admitting batch M.Tech -CSE program is given in Annexure-11.

AGENDA ITEM-12

To consider and approve the proposed courses for 2025-26 admitted batch M. Tech CSE Students based on the feedback received from stakeholders.

Resolution: Approved for courses for M.Tech CSE 2025-26 admitted Batch and the same is recommended to Academic Council.

To consider and introduce course structure for 2025-26 admitted batch students based on the stake holder's feedback.

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1. Mr. Poothabalan Somasundaram, Industry Person, suggested including "FRONTEND DEVELOPMENT FRAMEWORKS" was designed covering the fundamentals of frontend frameworks, component-based development, state management (Redux/Vuex), routing, and integration with REST APIs. Practical sessions and industry-style projects were included to provide hands-on experience with React and Angular.
2. Vamsi Velamarthi, Industry Person, I enthusiastically recommend incorporating a "Java Full Stack Development" course into the curriculum. Thuggested that there is high demand for developers proficient in both front-end and back-end Java technologies, along with database integration and deployment skills.
3. Hemanth Duriseti, Alumni, I Recommend students should master in Machine Learning is essential for careers in AI-driven industries, and graduates with these skills are in high demand.
4. Mr. Somasundaram, Industry Person, suggested including Python backend frameworks (Django, Flask), REST API development, database integration, frontend technologies (HTML, CSS, JavaScript, React), and deployment on cloud platforms. Real-world projects and industry case studies were included to ensure practical, job-ready skills.
5. DR. B. L. N. PHANEENDRA KUMAR, Faculty, course was updated to include lab modules on Kubernetes, Docker, Jenkins, and Terraform for infrastructure automation. Real-time project assignments were integrated, covering deployment pipelines, monitoring tools, and cloud security protocols. Case studies from AWS, Azure, and GCP were introduced to enhance industry relevance.

S. No	Course Code	Course Title	Course Type	Credits	Remarks
1	PCC	FRONTEND DEVELOPMENT FRAMEWORKS	PCC	4	Introduced as core Course

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S. No	Course Code	Course Title	Course Type	Credits	Remarks
2	PCC	FULL STACK APPLICATION DEVELOPMENT	PCC	5	Introduced in place of Java Full Stack Development course
3	PE 1	MACHINE LEARNING	PE-1	4	Introduced as a Elective course
4	PE-1	PYTHON FULL STACK DEVELOPMENT	PE-1	4	Introduced as a Elective course
5	PE3	CLOUD DEVOPS	PE3	4	Introduced as a Elective course

The detailed syllabus for the list of proposed courses is given in Annexure-12

AGENDA ITEM-13

To consider and approve the revised syllabus for 2025-26 admitted batch M. Tech CSE Students based on the feedback received from stakeholders.	Resolution: Approved the revision of syllabus for M.Tech 2025-26 admitted batch and the same is recommended to Academic Council.
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To consider and approve the revision of syllabus for 2025-26 admitted batch students based on the stake holders feedback.

1. Dr RUTH RAMYA, Faculty, I observed the course "CYBER DEFENCE AND CRYPT ANALYSIS (CYBER SECURITY)" modules on advanced cryptanalysis techniques, current cyber attack trends, and zero-day vulnerability assessment. Additional lab sessions with industry-grade tools and virtual lab simulations were introduced. Real-world case studies and guest lectures from security experts were integrated to strengthen applied skills and bridge the gap between theory and practice.
2. MR.SUKHAM ROMEN SINGH, Faculty, "Deep Learning (AI & DS)" syllabus was revised to include practical sessions on CNNs, RNNs, transformers, and GANs using TensorFlow and PyTorch. Case studies and mini-projects with real datasets were introduced, focusing on healthcare, NLP, and computer vision applications. Modules on hyperparameter tuning, model

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interpretability, and cloud-based deployment were added to ensure industry readiness.

3. DR.V.SRIKANTH J observed the course "Security for Cloud Systems Services (Cyber Security)" updated to include modules on CASB, IAM, and compliance frameworks. Hands-on labs were introduced for securing Docker/Kubernetes environments and integrating cloud-native monitoring tools. Real-world case studies and threat simulation exercises were added to improve practical skills in incident detection and response.
4. Dr. K. Raghava Rao, Academic peer, Recommended for Integrate Data Visualization Techniques the course emphasized static visualization tools but offered limited coverage of interactive dashboards, storytelling techniques, and modern libraries used in industry. They recommended including more advanced visualization platforms and case studies."

S. No	Course Code	Course Title	Course Type	Percentage of Revision	Remarks
1	PE-1	CYBER DEFENCE AND CRYPT ANALYSIS (CYBER SECURITY)	PE-1	10%	Based on Faculty Feedback
2	PE2	DEEP LEARNING (AI & DS)	PE2	20%	Based on Alumni Feedback
3	PE3	DATA VISUALIZATION TECHNIQUES (AI & DS)	PE3	5%	Based on Academic Peer Feedback
4	PE3	SECURITY FOR CLOUD SYSTEMS SERVICES (Cyber Security)	PE3	5%	Based on Faculty Feedback

The revised syllabus for the list of courses is given in Annexure-13

AGENDA ITEM-14

To consider and approve the 2025-26 admitted Lateral entry students course structure of B.Tech-CSE offered by CSE department under Y24 regulation.	Resolution: Approved the 2025-26 admitted Lateral entry students course structure of B.Tech-CSE offered by CSE department under Y24 regulation and the same is recommended to Academic Council for approval
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The BoS Chairman discussed the course structure for the 2025-26 admitted lateral entry students of B.Tech CSE under the Y24 regulation, emphasizing its alignment with the existing framework and smooth academic progression from diploma to degree level. He highlighted its importance in ensuring uniformity, academic rigor, and readiness for advanced coursework.

The detailed Course Structure proposed for 2025-26 admitting batch of B.Tech -CSE program of Y24 regulation is given in Annexure-14.

AGENDA ITEM-15

To consider and approve the PE-5 courses are to be offered in MOOCs mode for the benefit of Internship students of Y22 regulation.

Resolution: Approved the PE-5 courses are to be offered in MOOCs mode for the benefit of internship students of Y22 regulation and the same is recommended to Academic Council for approval.

The BoS Chairman proposed offering the PE 5 courses in MOOCs mode for Y22 regulation students, highlighting its benefit in providing flexibility for those undertaking internships. He emphasized that this approach would ensure academic continuity while supporting experiential learning opportunities.

AGENDA ITEM-16

To consider and approve the Discussion on New SDC Course to be Added for SM & DevOps Specialization for Y23 regulation

Resolution: Approved the New Skill Development Course (Professional Scrum Master) was proposed for Y23 admitted batch SM & DevOps specialization was approved and the same is recommended to Academic Council for approval.

The BoS Chairman initiated a discussion on introducing a new SDC course for the SM & DevOps specialization under the Y23 regulation. He stressed that the addition would strengthen the specialization by addressing current industry practices, thereby enhancing students' skills and employability in modern software development environments.

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AGENDA ITEM-17

To consider and approve the 23DLA3101A- System & network security Analytics course is recommended for Cyber Security and Blockchain technology Specialization under PE-1.	Resolution: Approved the 23DLA3101A- System & network security Analytics course is recommended for Cyber Security and Blockchain technology Specialization under PE-1 and the same is recommended to Academic Council for approval.
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The BoS Chairman presented the course 23DLA3101A - System & Network Security Analytics, recommending its inclusion under PE-1 for the Cyber Security and Blockchain Technology specialization. He emphasized its importance in strengthening domain knowledge, addressing current security challenges, and preparing students with advanced analytical skills.

AGENDA ITEM-18

To consider and approve new specializations / minors from the Academic Year 2025-26.	Resolution: Approved the new specializations / minors from the Academic Year 2025-26.
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BoS, considered and approved the introduction of new specializations/minors from the Academic Year 2025-26 to enhance interdisciplinary learning, align academic offerings with emerging industry trends. The list of courses included under each specialization/minor is detailed in Annexure 15.

S.No.	Name of the Specialization / Minor
1	AI & Autonomous Systems
2	Generative AI for Agentic and Multi-modal Intelligence
3	Human Centric AI Systems
4	Data Science & Engineering for AI
5	Data Lake Systems & Streaming analytics
6	Cloud Native Application Engineering & DevOps
7	AI driven Edge Computing
8	Cloud AI & Accelerated Computing
9	Cyber Threat Intelligence and Security Operations
10	Blockchain Engineering for Web3
11	Distributed Ledger Analytics
12	Intelligent Game Development & Immersive Technologies
13	Embedded Systems
14	Green & Sustainable Digital Systems
15	Quantum Technologies

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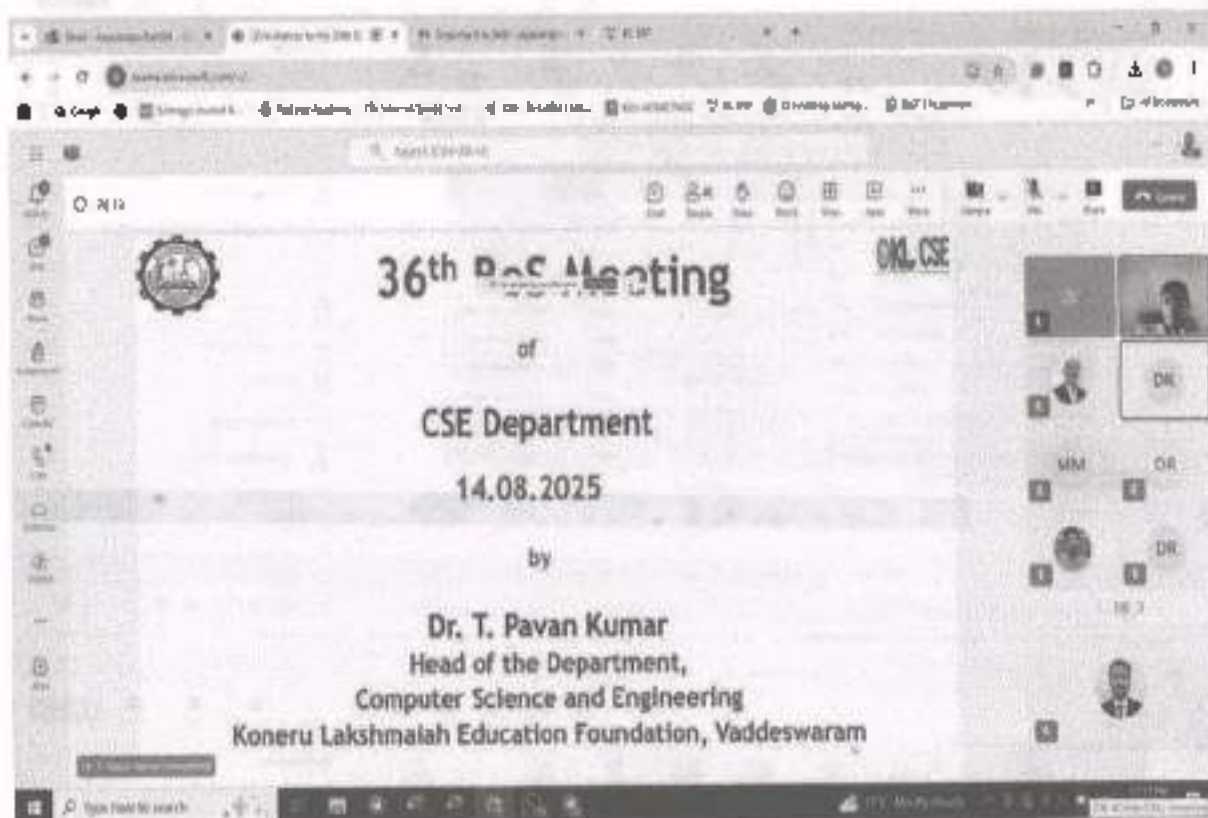
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BoS Meeting (Online) Screenshots:



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Zoom Meeting: B.Tech. 2025-26 Admitted Batch

Course Category: Program Core (PCL)

Sl. No.	Course Title	Credit	Prerequisites	Level	Mode	Faculty		
2025001	COMPUTER NETWORKS	3	0	0	0	0	NEW	INDUSTRIY PERSON
2025002	COMPUTER NETWORKS	3	1	2	0	0	NEW	INDUSTRIY PERSON
2025003	DESIGN AND ANALYSIS OF SYSTEMS	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025004	DESIGN AND ANALYSIS OF SYSTEMS	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025005	CLOUD INFRASTRUCTURE	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025006	CLOUD INFRASTRUCTURE	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025007	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025008	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025009	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025010	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025011	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025012	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025013	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025014	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025015	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025016	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025017	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025018	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025019	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON
2025020	INFORMATION SECURITY	3	1	0	2	0	NEW	INDUSTRIY PERSON

Zoom Meeting: B.Tech. 2025-26 Admitted Batch

Course Category: Program Core (PCL)

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