



Koneru Lakshmaiah Education Foundation

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Minutes of 33rd Board of Studies Meeting

29th March 2024

The 33rd virtual session of the Board of Studies for the Department of Computer Science and Engineering was held on March 29th, 2024, from 3:30 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 A SENTHIL, PROFESSOR
4. Dr. ARPITA GUPTA, ASSOC.PROFESSOR
5. Dr K SREERAMA MURTHY, PROFESSOR
6. Dr. K. AMARENDRA, PROFESSOR
7. Dr. GANDHARBA SWAIN, PROFESSOR
8. Dr G PARDHA SARADHI VARAMA, VICE CHANCELLOR
9. Dr. MADHU MUTHYAM, EXTERNAL MEMBER, PROFESSOR IIT, MADRAS
10. Mr. RAMESH KUMAR DACHA , EXTERNAL MEMBER
ASSOCIATE DIRECTOR ACCENTURE SOLUTIONS INDIA PVT. LTD.,
HYDERABAD
11. Dr. AMARALINGESWARA RAO KAKA, EXTERNAL MEMBER, PROGRAM
DIRECTOR IBM, HYDERABAD
12. Mr. JAGAN MOHAN CHEVVAKULA, EXTERNAL MEMBER, SR. QA MANAGER, NGA
HR PVT LIMITED, HYDERABAD
13. Dr. V. SRIKANTH, PROFESSOR
14. Dr. B. V. APPA RAO, PROFESSOR
15. Dr.A VENKATESWARA RAO, PROFESSOR
16. Dr. M. KAMESWARA RAO, PROFESSOR
17. Dr. B. T. P. MADHAV, PROFESSOR
18. Dr. K SWAPNA, ASSOC.PROFESSOR
19. Dr. V. CHANDRA PRAKASH, PROFESSOR


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20. Dr. K. SUBRAHMANYAM, PROFESSOR
21. Dr. N. SRINIVASU, PROFESSOR
22. Dr K.V.DURGA KIRAN, PROFESSOR
23. Dr MD.MOULANA, PROFESSOR
24. Dr T.SANTHI SRI, PROFESSOR
25. Dr. A.V PRAVEEN KRISHNA , ASSOC.PROFESSOR
26. Dr. M.SRINIVAS , PROFESSOR
27. Dr. VSRK SHARMA, PROFESSOR
28. Dr. M. NAGESWARA RAO, PROFESSOR
29. Dr. P. RAJARAJESWARI, PROFESSOR
30. Dr. K. BHANU PRAKASH, PROFESSOR
31. Dr. B.VIJAYA BABU, PROFESSOR
32. Dr. K. RAVINDRANATH, ASSOC.PROFESSOR
33. Dr. RAJU ANITHA, ASSOC.PROFESSOR
34. Dr. P.VENKATESWARA RAO, ASSOC.PROFESSOR
35. Dr. K. V. V.SATYANARAYANA, PROFESSOR
36. Dr. S.SAGAR IMAMBI, PROFESSOR
37. Dr. G.SIVANAGESWARA RAO, PROFESSOR
38. Dr E.VAMSIDHAR, PROFESSOR
39. Dr G.RAMA KOTESWARA RAO, PROFESSOR
40. Dr. S KAVITHA, ASSOC.PROFESSOR
41. Dr. TATA RAVI KUMAR, ASSOC.PROFESSOR
42. Dr. YOGESH SHARMA, PROFESSOR
43. Mrs. RAMYA, ASST.PROFESSOR
44. Dr. SANDA SRI HARSHA, ASSOC.PROFESSOR
45. Dr M PRAVEENA, ASST.PROFESSOR
46. Dr DEBNATH BHATTACHARYA, PROFESSOR
47. Dr SURYAKANTH .V GANGASHETTY , PROFESSOR
48. Dr D.GOVIND, PROFESSOR


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49. Dr SANDEEP KUMAR, PROFESSOR
50. Dr K SAMUDRAVIJAYA, PROFESSOR
51. Dr P.VIDYA SAGAR, ASSOC.PROFESSOR
52. Dr M KAVITHA, ASSOC.PROFESSOR
53. Dr. S.TULASI KRISHNA, ASSOC.PROFESSOR
54. Dr.P. PRAVEEN KUMAR, PROFESSOR
55. Mr. VIJAYA KRISHNA SONTI, ASST.PROFESSOR
56. Dr KUNDA VENKATA PRASAD, ASSOC.PROFESSOR
57. Dr. K BHAGAVAN, ASSOC.PROFESSOR
58. Dr V VISWANATH SHENOI, PROFESSOR
59. Dr. DARA VIKRAM, PROFESSOR
60. Mrs. Y SRILATHA, ASST.PROFESSOR
61. Mr. B SREEDHAR, ASST.PROFESSOR
62. DRT.SAJANA, ASSOC.PROFESSOR
63. Dr U SRI LAKSHMI, PROFESSOR
64. Dr G RAMU, PROFESSOR
65. Dr G S RAGHAVENDRA, ASST.PROFESSOR
66. Dr P SRILATHA, ASSOC.PROFESSOR
67. Dr.V. RAMA KRISHNA, PROFESSOR
68. Dr.AADAPA SRINIVASA RAO, PROFESSOR
69. Dr.JAGJIT SINGH DHATTER WALL, ASSOC.PROFESSOR
70. Dr.ELANGO VAN GURUVA REDDY, ASSOC.PROFESSOR
71. Dr.SUNITHA PACHALA, ASSOC.PROFESSOR
72. Dr.B.SREENIVASULU, ASSOC.PROFESSOR
73. Dr.PITTALA RAMESH BABU, ASSOC.PROFESSOR
74. Dr.N.B.ARUNE KUMAR, ASST.PROFESSOR
75. Dr.DYUTI BANERJEE, ASST.PROFESSOR
76. Dr.KV GURUNATHAM NAIDU, ASST.PROFESSOR
77. Mr.M SHASHANK, STUDENT


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- 78. Mr. M RAMA SAI, STUDENT
- 79. Mr.SAI ABHINAV A, STUDENT
- 80. Miss.KARISHMA, STUDENT
- 81. Miss.G REEMA, STUDENT
- 82. Mr.KALYAM CHAKRAVARTHI NARAYANA, STUDENT

The following members were Absent:

- 1. Dr. Y PRASHANTH, PROFESSOR
- 2. Dr. G.PRADEEPINI, PROFESSOR
- 3. Dr. GOPI KRISHNA, ASSOC.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 PEOs, POs and PSOs of the program.

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AGENDA and RESOLUTIONS

AGENDA ITEM-1

To Consider and approve DAC minutes held on 26 th March,2024 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 26th March,2024 and highlighted the major resolutions of discussion.

It is resolved to approve the recommendations made by DAC. **Annexure-1 DAC minutes (Dt: 26-03-2024)**

AGENDA ITEM-2

To consider and approve the courses proposed to introduce for 2023-24 and 2024-25 admitted batch B. Tech CSE Students based on the feedback received from stakeholders.	Resolution: Approved for introduced courses for B.Tech 2023-24 and 2024-25 admitted Batch and the same is recommended to Academic Council.
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To consider and introduce courses for 2023-24 and 2024-25 admitted batch students based on the stake holder's feedback.

- Dr.Y.Prasanth, Professor, recommended including a course on stochastic process modeling to the curriculum, as it equips students with essential skills in understanding and analyzing complex systems governed by randomness, enhancing their problem-solving capabilities and preparedness for real-world challenges.

It is resolved to introduce a course "Stochastic Process Modelling" for 2023-24 and 2024-25 admitted batch students.

- Mrs. G Prashanti, Assist. Professor, recommended introducing a course on Numerical Analysis to the curriculum, providing students with comprehensive knowledge of modern computational techniques and algorithms.


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It is resolved to introduce a course "Numerical Analysis" for 2023-24 and 2024-25 admitted batch students.

3. Ms. Naga Phani, AT & T, Industry Person, recommended incorporating a course on Computational Geometry into the curriculum, as it will equip students with essential skills to solve complex geometric problems efficiently using computational methods.

It is resolved to introduce a course "Computational Geometry" for 2023-24 and 2024-25 admitted batch students.

4. Mr. Chittibabu Ravela, Assistant Professor, recommended changing the title of the course "Mathematical Programming" to "Mathematical Optimization" to better align with industry standards and accurately reflect the focus on optimizing mathematical models.

It is resolved to introduce a course "Mathematical Optimization" for 2023-24 and 2024-25 admitted batch students.

5. Mr. Sai Deep Muvva, Alumni, recommended introducing a course on Computational Physics to the curriculum, focusing on applying numerical methods and computational techniques to solve complex problems in physics.

It is resolved to introduce a course "Computational Physics" for 2023-24 and 2024-25 admitted batch students.

6. Dr. R. Manjula Devi, Professor, Academic Peer, suggested to introduce "Electromagnetism" course to provide students with foundational knowledge and practical skills in understanding electromagnetic principles and their applications.

It is resolved to introduce a course "Electromagnetism" for 2023-24 and 2024-25 admitted batch students.


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7. Dr. Siba Kumar Udgata, Professor, Academic Peer, recommended incorporating a course titled "Computational Mechanics for Robotics" into the curriculum, focusing on providing students with the computational skills necessary for designing, analyzing, and optimizing robotic systems effectively.

It is resolved to introduce a course "Computational Mechanics for Robotics" for 2023-24 and 2024-25 admitted batch students.

8. Dr. Benson Raj, Assistant Professor, Academic Peer, recommended introducing a course titled "Physical Chemistry & Thermodynamics" to the curriculum, offering students a comprehensive understanding of the fundamental principles governing chemical processes and thermodynamic phenomena.

It is resolved to introduce a course "Physical Chemistry & Thermodynamics" for 2023-24 and 2024-25 admitted batch students.

9. Dr V. Ramya Associate Professor, Academic Peer, recommended incorporating a course on "Biochemistry" into the curriculum, providing students with a deep understanding of the chemical processes and molecules fundamental to life.

It is resolved to introduce a course "Biochemistry" for 2023-24 and 2024-25 admitted batch students.

10. Dr Srinivas Reddy, Assistant Professor, Academic Peer, recommended the integration of a course on "Computational Chemistry" into the curriculum. Such a course equips students with essential skills in utilizing computational methods to study and analyze chemical systems, a critical capability highly sought after in various industries including pharmaceuticals, materials science, and chemical engineering.

It is resolved to introduce a course "Computational Chemistry" for 2023-24 and 2024-25 admitted batch students.


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11. Mr. Vishnu Sai Teja Kondamudi, Alumni, recommended introducing a course titled "Linux Administration & Automation" to the curriculum. This course will provide students with comprehensive knowledge and practical skills in managing Linux-based systems and automating administrative tasks.

It is resolved to introduce a course "Linux Administration & Automation" for 2023-24 and 2024-25 admitted batch students.

12. Mr. Chalamalasetti Vamsi Krishna, Alumni, recommended introducing a course titled "Full Stack Application Development" to the curriculum.

It is resolved to introduce a course "Full Stack Application Development" for 2023-24 and 2024-25 admitted batch students. The course is approved to offer using React with Node JS in the discussion.

13. Dr. B. S. Biradar, Professor, Academic Peer, suggested introducing Discrete Mathematics course that will equip students with essential problem-solving skills and foundational knowledge crucial for various academic disciplines and real-world applications.

It is resolved to introduce a course "Discrete Mathematics" for 2023-24 and 2024-25 admitted batch students.

14. Dr. Kamalesh Narain Singh, Academic Peer, recommended to introduce Distributed Computing through networks concepts course to equip students with essential skills for designing and managing interconnected systems, addressing the growing demand in modern industries.

It is resolved to introduce a course "Distributed Computing" for 2023-24 and 2024-25 admitted batch students.


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15. Mr. Pavan Sai Sunkara, Alumni, proposed to introduce a course titled "CI/CD & Cloud DevOps" to the curriculum.

It is resolved to introduce a course "CI/CD Cloud DevOps" for 2023-24 and 2024-25 admitted batch students.

16. Mr. B Elangovan, Faculty, recommended to propose the Theory of Computation course in the curriculum to incorporate contemporary topics like quantum computing and computational complexity theory, ensuring students are equipped with up-to-date knowledge and skills relevant to the evolving field of computer science.

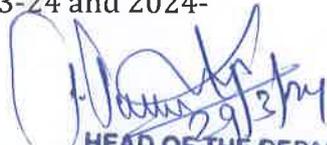
It is resolved to introduce a course "Theory of Computation" for 2023-24 and 2024-25 admitted batch students.

17. Dr. Yamuna Devi, Assoc. Professor, recommended introducing a course "Nature-Inspired Soft Computing" to "Computational Intelligence: Nature-Inspired Algorithms" to better encapsulate its focus on leveraging nature-inspired algorithms for computational problem-solving.

It is resolved to introduce a course "Nature Inspired Soft Computing" for 2023-24 and 2024-25 admitted batch students.

18. Mr. Sudeep, Cognizant, Industry Person, recommended to introduce the course "Data Science & Statistics" to "Statistical Methods in Data Science" to better reflect its emphasis on statistical techniques within the context of data science. This adjustment enhances clarity for students, highlighting the course's focus on applying statistical methods to analyze and interpret data effectively.

It is resolved to introduce a course "Data Science & Statistics" for 2023-24 and 2024-25 admitted batch students.


29/3/24
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19. Mr. Venkata Sai Akhil Guntupalli, Alumni, recommended introducing "Generative Deep Learning" as a new course to empower students with advanced techniques for creative AI model development, fostering innovation in areas such as image synthesis and text generation, preparing them for leading roles in AI research and application.

It is resolved to introduce a course "Generative Deep Learning" for 2023-24 and 2024-25 admitted batch students.

20. Mr. Sudhakar Reddy, Alumni, strongly recommended to implement "Web 3 Development for Both Private and Public Blockchain" course, providing students with comprehensive skills to navigate and innovate within the evolving landscape of blockchain technology.

It is resolved to introduce a course "Web 3 Development for Both Private and Public Blockchain" for 2023-24 and 2024-25 admitted batch students.

21. Mr. Aditya Potluri, Alumni, highly recommended to introduce "AnyPoint Platform Development: Fundamentals" course.

It is resolved to introduce a course "AnyPoint Platform Development: Fundamentals" for 2023-24 and 2024-25 admitted batch students.

22. Mr. Shashidhar, Alumni, recommended to introduce the course "Artificial Intelligence & Machine Learning" to ensure it encompasses both foundational concepts and advanced techniques. This revision should integrate practical applications and case studies, providing students with hands-on experience and a deeper understanding of real-world AI and ML implementations.

It is resolved to introduce a course "Artificial Intelligence and Machine Learning" for 2023-24 and 2024-25 admitted batch students.


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23. T Srilatha, Assistant Professor, Faculty, recommended incorporating a course on Digital Logic and Computer Organization is imperative to equip students with fundamental understanding of hardware components and their organization, vital for comprehending modern computing systems and advancing technological innovations.

It is resolved to introduce a course “Digital Logic and Computer Organization” for 2023-24 and 2024-25 admitted batch students.

24. Ms. Raziya, Assistant Professor, Faculty, recommended introducing language Skills and Communication Skills for Engineers to equip students with better communication skills.

It is resolved to introduce courses “Language Skills for Engineers and Communication Skills for Engineers” for 2023-24 and 2024-25 admitted batch students.

25. Dr M Praveena, Assistant Professor, Faculty, Cohort professor in charge recommended introducing the new specializations “AI for Computational Intelligence, AI-Driven Language Technologies, AI Systems for Visual Intelligence, and AI-Driven Edge Architectures & Applications” to provide better job opportunities in the AI domain.

It is resolved to introduce the AI for Computational Intelligence specialization with the following elective courses for 2023-24 and 2024-25 admitted batch students.

- Generative Adversarial Networks
- Explainable AI and Communications
- Fuzzy Logic with Set Theory
- Heuristic Algorithms
- Swarm Intelligence Approaches
- Data Manipulation


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- Reinforcement Learning
- Evolutionary Computation
- Generative Adversarial Networks for Images

It is resolved to introduce the AI-driven language Technologies specialization with the following elective courses for 2023-24 and 2024-25 admitted batch students.

- Applied Machine Learning for Text Analysis
- Deep Learning for Natural Language Processing
- Conversational AI and Chatbot Development
- Text Understanding
- Natural Language Processing
- Language Understanding with a Pre-Trained Model

It is resolved to introduce the AI for AI Systems for Visual Intelligence specialization with the following elective courses for 2023-24 and 2024-25 admitted batch students.

- Deep Learning
- Computer Vision
- Object Detection
- Visual Recognition and Scene Understanding
- Deep Reinforcement Learning for Vision
- Human-Computer Interaction
- Object Localization
- Advanced Image Processing and Analysis
- Visual Recognition and Scene Understanding

It is resolved to introduce the AI-Driven Edge Architectures & Applications specialization with the following elective courses for 2023-24 and 2024-25 admitted batch students.


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- Edge Computing Fundamentals
- AI At the Edge
- Edge Ai Architectures and Applications
- Edge AI and 5g
- Edge AI security And Protection
- Edge AI Development Frameworks and Tools
- Edge AI analytics And Data Management
- Edge AI and Sustainability
- Smart Iot and Sensor Networks

26.Dr T Sajana, Associate Professor, Faculty, and Cohort professor in charge recommended introducing the new specialization of Data Engineering for AI to provide better knowledge on data engineering using AI, which is useful for better placements.

It is resolved to introduce the Data Engineering for AI specialization with the following elective courses for 2023-24 and 2024-25 admitted batch students.

- Fundamentals Of Data Engineering
- Data Exploration and Preparation
- Big Data Technologies
- Data Warehousing and Business Intelligence
- Machine Learning Engineering for Big Data
- AI-Driven Data Engineering

27.Dr S Kavitha, Associate Professor, Faculty, and Cohort professor in charge recommended introducing the new specializations "Cloud Native Software Engineering, Cloud Infrastructure Design & Engineering, and Cloud Based Scientific Computing" to meet the industry requirements in the cloud domain.


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It is resolved to introduce the Cloud Native Software Engineering specialization with the following elective courses for 2023-24 and 2024-25 admitted batch students.

- Foundations Of Cloud Native Computing
- Cloud Native Application Development
- Cloud Native Design Process
- Software Engineering for Cloud Computing
- Serverless Computing and Event-Driven Architectures
- Cloud Native Software Architectures
- Cloud Native Networking and Storage Systems
- Cloud Infrastructure and Virtualization
- Software Design with Cloud Native Computing

It is resolved to introduce the Cloud Infrastructure Design & Engineering specialization with the elective courses for 2023-24 and 2024-25 admitted batch students.

- Cloud Infrastructure Engineering
- Enterprise Cloud Computing: Technology, Architecture, Applications
- Architecting Highly Available and Scalable Cloud Environments
- Cloud Infrastructure Architecture and Engineering
- Reliable Cloud Infrastructure: Design & Process
- Hybrid Cloud Integration and Management
- Cloud Engineering
- Cloud Data Management and Storage Solutions
- Cloud Infrastructure Design

It is resolved to introduce Cloud Based Scientific Computing specialization with the following elective courses for 2023-24 and 2024-25 admitted batch students.

- Fundamentals Of Cloud-Based Scientific Computing


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- Development Of Scientific Applications Using Cloud-Based Technology
- Distributed Scientific Computing in The Cloud
- Cloud Based High Performance Computing
- Cloud-Based Grid Computing
- Cloud Computing for Scientific Discovery
- Cloud-Based Scalable Computing and Big Data Analytics
- Parallel Computing for Scientists Using Cloud Platforms
- Cloud Architectures for Scientific Workloads

28. Dr. Yogesh Saram, Associate Professor, Faculty, and Cohort professor in charge recommended introducing the new specializations "Blockchain Engineering for Web3, Cloud Native Security, and Hardware-Software co-design for Security" to meet the industry requirements in the security domain.

It is resolved to introduce the Blockchain Engineering for Web3 specialization with the following elective courses for 2023-24 and 2024-25 admitted batch students.

- Introduction To Blockchain Technology, Cryptocurrencies and Tokens
- Smart Contracts
- Decentralized Applications and Decentralized Web
- Blockchain Platforms and Protocols
- Blockchain Security
- Oracles And Data Feeds
- Blockchain Scalability and Layer 2 Solutions
- Regulatory Landscape and Compliance
- Future Trends in Blockchain and Web3
- Emerging Blockchain Models for Digital Currencies

It is resolved to introduce the Cloud Native Security specialization with the following elective courses for 2023-24 and 2024-25 admitted batch students.


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- Introduction To Cloud Native Computing
- Fundamentals Of Cloud Security
- Container Security
- Microservices Security
- Infrastructure As Code Security
- Identity And Access Management in Cloud Native Environments
- Network Security in Cloud Native Architectures
- Monitoring And Logging for Cloud Native Security
- Compliance And Governance in Cloud Native Environments
- Serverless Security
- Cloud Native Security Tools and Solutions
- Future Trends in Cloud Native Security

It is resolved to introduce the Hardware-Software co-design for Security specialization with the following elective courses for 2023-24 and 2024-25 admitted batch students.

- Introduction To Hardware-Software Co-Design
- Fundamentals Of Computer Security
- Hardware Security Mechanisms
- Software Security Principles
- Secure Co-Design Methodologies
- Hardware Trojan Detection and Prevention
- Side-Channel Attacks and Countermeasures
- Formal Methods for Hardware-Software Security
- Trusted Platform Modules and Secure Elements
- Secure Communication Protocols and Apis
- Hardware-Software Co-Design
- Future Trends in Hardware-Software Co-Design For Security
- Hardware Software Codesign Implementation For Security Specialty


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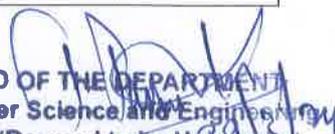
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29.Mrs P Ramya, Assistant Professor, Faculty, and Cohort professor in charge recommended introducing the new specialization "Spatial Computing & Immersive Technologies" to meet the industry requirements in the computing and gaming domain.

It is resolved to introduce the Spatial Computing & Immersive Technologies specialization with the following elective courses for 2023-24 and 2024-25 admitted batch students.

- Spatial Data Visualization
- Spatial Computing For Multiplayer Games
- Spatial Computing Platforms And Development
- Spatial And Social Implications Of Immersive Technologies
- Spatial Audio Design For Games
- Spatial User Interface Design
- Introduction To Spatial Computing

S. No	Course Code	Course Title	Course Type	Credits	Remarks
1	24MT1002	DISCRETE MATHEMATICS	BSC	4	Introduced in place of the Discrete Structures course
2	24MT2017	STOCHASTIC PROCESS MODELLING	BSC	4	Introduced in place of Probability, Statistics & Queueing Theory course
3	23MT2014	THEORY OF COMPUTATION	BSC	4	Introduced in place of Automata Theory & Formal Languages as a Basic Science course
4	23MT2015	NUMERICAL ANALYSIS	BSC	4	Introduced as a science elective course
5	23MT2016	COMPUTATIONAL GEOMETRY	BSC	4	Introduced as a science elective course
6	24MT2012	MATHEMATICAL OPTIMIZATION	BSC	4	Introduced in place of Mathematical programming course


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S. No	Course Code	Course Title	Course Type	Credits	Remarks
7	23CS3201	DATA SCIENCE & STATISTICS	BSC	4	Introduced as a science elective course
8	23CS3202	NATURE INSPIRED SOFT COMPUTING	BSC	4	Introduced as a science elective course
9	23PH1009	COMPUTATIONAL PHYSICS	BSC	4	Introduced as a science elective course
10	23PH1010	ELECTROMAGNETISM	BSC	4	Introduced as a science elective course
11	23PH1011	COMPUTATIONAL MECHANICS FOR ROBOTICS	BSC	4	Introduced as a science elective course
12	23CY1002	PHYSICAL CHEMISTRY & THERMODYNAMICS	BSC	4	Introduced as a science elective course
13	23CY1003	COMPUTATIONAL CHEMISTRY	BSC	4	Introduced as a science elective course
14	23BT2103	BIOCHEMISTRY	BSC	4	Introduced as a science elective course
15	23AD20010	ARTIFICIAL INTELLIGENCE & MACHINE LEARNING	PCC	4	Introduced in place of Data Driven Artificial Intelligent Systems course in the PCC category for Y24 and offered in the ESC category for Y23.
16	23CS4106	DISTRIBUTED COMPUTING	PCC	2	Introduced in place of Parallel & Distributing Computing course
17	23SDCS11R	LINUX ADMINISTRATION & AUTOMATION	SDC	2	Introduced in place of Python Full Stack Development with Django course
18	23SDCS12R	FULL STACK APPLICATION DEVELOPMENT	SDC	2	Introduced in place of the Mern Stack Web Development course
19	23SDCS13R	CI/CD & CLOUD DEVOPS	SDC	2	Introduced in place of Java Full Stack Development + Microservices course


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S. No	Course Code	Course Title	Course Type	Credits	Remarks
20	24UC1102	LANGUAGE SKILLS FOR ENGINEERS	HAS	2	Introduced in place of the Integrated Professional English course
21	24UC1204	COMMUNICATION SKILLS FOR ENGINEERS	HAS	2	Introduced in place of English Proficiency course
22	23UC0027	LEADERSHIP AND MANAGEMENT SKILLS	HAS	2	Introduced in HAS category
23	23AIP3306	GENERATIVE DEEP LEARNING	PE	5	Introduced in place of Machine Learning course
24	23CS2248F	ANYPOINT PLATFORM DEVELOPMENT: FUNDAMENTALS	FC	3	Introduced as Flexi Core course
25	23CS2249F	WEB 3 DEVELOPMENT FOR BOTH PRIVATE AND PUBLIC BLOCKCHAIN	FC	3	Introduced as Flexi Core course
AI for Computational Intelligence					
26	23ACI3101R	GENERATIVE ADVERSARIAL NETWORKS	PE	5	Introduced as a Professional Elective course
27	23ACI3202R	EXPLAINABLE AI AND COMMUNICATIONS	PE	3	Introduced as a Professional Elective course
28	23ACI3303R	FUZZY LOGIC WITH SET THEORY	PE	5	Introduced as a Professional Elective course
29	23ACI3404M	HEURISTIC ALGORITHMS	PE	3	Introduced as a Professional Elective course
30	23ACI3405M	SWARM INTELLIGENCE APPROACHES	PE	3	Introduced as Professional Elective course
31	23ACI3506	DATA MANIPULATION	PE	3	Introduced as a Professional Elective course


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S. No	Course Code	Course Title	Course Type	Credits	Remarks
32	23ACI3507	REINFORCEMENT LEARNING	PE	3	Introduced as a Professional Elective course
33	23ACI3508	EVOLUTIONARY COMPUTATION	PE	3	Introduced as a Professional Elective course
34	23SDC17R	GENERATIVE ADVERSARIAL NETWORKS FOR IMAGES	SDC	2	Introduced as a Skill Development Elective course
AI-Driven Language Technologies					
35	23ALT3101R	APPLIED MACHINE LEARNING FOR TEXT ANALYSIS	PE	5	Introduced as a Professional Elective course
36	23ALT3202R	DEEP LEARNING FOR NATURAL LANGUAGE PROCESSING	PE	3	Introduced as a Professional Elective course
37	23ALT3303R	CONVERSATIONAL AI AND CHATBOT DEVELOPMENT	PE	5	Introduced as Professional Elective course
38	23ALT3404M	TEXT UNDERSTANDING	PE	3	Introduced as a Professional Elective course
39	23ALT3506	LANGUAGE UNDERSTANDING WITH PRE-TRAINED MODELS	PE	3	Introduced as a Professional Elective course
40	23ALT3507	LARGE LANGUAGE MODEL FOR SPEECH PROCESSING	PE	3	Introduced as a Professional Elective course
41	23SDCS18R	TEXT ANALYTICS	SDC	2	Introduced as a Skill Development Elective course
AI Systems for Visual Intelligence					
42	23AVI3202R	COMPUTER VISION	PE	3	Introduced as a Professional Elective course
43	23AVI3303R	OBJECT DETECTION	PE	5	Introduced as a Professional Elective course


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S. No	Course Code	Course Title	Course Type	Credits	Remarks
44	23AVI3404M	VISUAL RECOGNITION AND SCENE UNDERSTANDING	PE	3	Introduced as a Professional Elective course
45	23AVI3405M	DEEP REINFORCEMENT LEARNING FOR VISION	PE	3	Introduced as a Professional Elective course
46	23AVI3506	HUMAN COMPUTER INTERACTION	PE	3	Introduced as a Professional Elective course
47	23AVI3507	OBJECT LOCALIZATION	PE	3	Introduced as a Professional Elective course
48	23AVI3508	ADVANCED IMAGE PROCESSING AND ANALYSIS	PE	3	Introduced as a Professional Elective course
49	23SDCS19R	VISUAL RECOGNITION AND SCENE UNDERSTANDING	SDC	2	Introduced as a Skill Development Elective course
Data Engineering for AI					
50	23DEA3101R	FUNDAMENTALS OF DATA ENGINEERING	PE	5	Introduced as a Professional Elective course
51	23DEA3202R	DATA EXPLORATION AND PREPARATION	PE	3	Introduced as a Professional Elective course
52	23DEA3303R	BIG DATA TECHNOLOGIES	PE	5	Introduced as a Professional Elective course
53	23DEA3404M	DATA WAREHOUSING AND BUSINESS INTELLIGENCE	PE	3	Introduced as a Professional Elective course
54	23DEA3505	MACHINE LEARNING ENGINEERING FOR BIG DATA	PE	3	Introduced as a Professional Elective course
55	23SDAD11R	AI-DRIVEN DATA ENGINEERING	SDC	2	Introduced as a Skill Development Elective course
Blockchain Engineering for Web3					


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S. No	Course Code	Course Title	Course Type	Credits	Remarks
56	23BEW3101R	INTRODUCTION TO BLOCKCHAIN TECHNOLOGY, CRYPTOCURRENCIES AND TOKENS	PE	5	Introduced as a Professional Elective course
57	23BEW3202R	SMART CONTRACTS	PE	3	Introduced as a Professional Elective course
58	23BEW3303R	DECENTRALIZED APPLICATIONS AND DECENTRALIZED WEB	PE	5	Introduced as a Professional Elective course
59	23BEW3404M	BLOCKCHAIN PLATFORMS AND PROTOCOLS	PE	3	Introduced as a Professional Elective course
60	23BEW3405M	BLOCKCHAIN SECURITY	PE	3	Introduced as a Professional Elective course
61	23BEW3406M	ORACLES AND DATA FEEDS	PE	3	Introduced as a Professional Elective course
62	23BEW3507	BLOCKCHAIN SCALABILITY AND LAYER 2 SOLUTIONS	PE	3	Introduced as a Professional Elective course
63	23BEW3508	REGULATORY LANDSCAPE AND COMPLIANCE	PE	3	Introduced as a Professional Elective course
64	23BEW3509	FUTURE TRENDS IN BLOCKCHAIN AND WEB3	PE	3	Introduced as a Professional Elective course
65	23SDAD08R	EMERGING BLOCKCHAIN MODELS FOR DIGITAL CURRENCIES	SDC	2	Introduced as a Skill Development Elective course
Spatial Computing & Immersive Technologies					
66	23SCI3101R	SPATIAL DATA VISUALIZATION	PE	5	Introduced as a Professional Elective course
67	23SCI3202R	SPATIAL COMPUTING FOR MULTIPLAYER GAMES	PE	3	Introduced as a Professional Elective course


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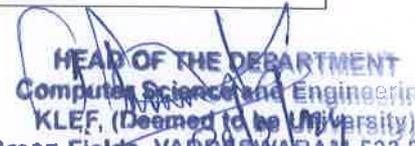
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S. No	Course Code	Course Title	Course Type	Credits	Remarks
68	23SCI3303R	SPATIAL COMPUTING PLATFORMS AND DEVELOPMENT	PE	5	Introduced as a Professional Elective course
69	23SCI3404M	SPATIAL AND SOCIAL IMPLICATIONS OF IMMERSIVE TECHNOLOGIES	PE	3	Introduced as a Professional Elective course
70	23SCI3405M	SPATIAL AUDIO DESIGN FOR GAMES	PE	3	Introduced as a Professional Elective course
71	23SCI3506	SPATIAL USER INTERFACE DESIGN	PE	3	Introduced as a Professional Elective course
72	23SCI3507	INTRODUCTION TO SPATIAL COMPUTING	PE	3	Introduced as a Professional Elective course
Cloud Native Software Engineering					
73	23CNE3101R	FOUNDATIONS OF CLOUD NATIVE COMPUTING	PE	5	Introduced as a Professional Elective course
74	23CNE3202R	CLOUD NATIVE APPLICATION DEVELOPMENT	PE	3	Introduced as a Professional Elective course
75	23CNE3203R	CLOUD NATIVE DESIGN PROCESS	PE	3	Introduced as a Professional Elective course
76	23CNE3304R	SOFTWARE ENGINEERING FOR CLOUD COMPUTING	PE	5	Introduced as a Professional Elective course
77	23CNE3405M	SERVERLESS COMPUTING AND EVENT-DRIVEN ARCHITECTURES	PE	3	Introduced as a Professional Elective course
78	23CNE3406M	CLOUD NATIVE SOFTWARE ARCHITECTURES	PE	3	Introduced as a Professional Elective course
79	23CNE3507	CLOUD NATIVE NETWORKING AND STORAGE SYSTEMS	PE	3	Introduced as a Professional Elective course


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S. No	Course Code	Course Title	Course Type	Credits	Remarks
80	23CNE3508	CLOUD INFRASTRUCTURE AND VIRTUALIZATION	PE	3	Introduced as a Professional Elective course
81	23SDCS15R	SOFTWARE DESIGN WITH CLOUD NATIVE COMPUTING	SDC	2	Introduced as a Skill Development Elective course
Cloud Infrastructure Design & Engineering					
82	23CID3101R	CLOUD INFRASTRUCTURE ENGINEERING	PE	5	Introduced as a Professional Elective course
83	23CID3202R	ENTERPRISE CLOUD COMPUTING: TECHNOLOGY, ARCHITECTURE, APPLICATIONS	PE	3	Introduced as a Professional Elective course
84	23CID3203R	ARCHITECTING HIGHLY AVAILABLE AND SCALABLE CLOUD ENVIRONMENTS	PE	3	Introduced as a Professional Elective course
85	23CID3304R	CLOUD INFRASTRUCTURE ARCHITECTURE AND ENGINEERING	PE	5	Introduced as a Professional Elective course
86	23CID3405M	RELIABLE CLOUD INFRASTRUCTURE: DESIGN & PROCESS	PE	3	Introduced as a Professional Elective course
87	23CID3406M	HYBRID CLOUD INTEGRATION AND MANAGEMENT	PE	3	Introduced as a Professional Elective course
88	23CID3507	CLOUD ENGINEERING	PE	3	Introduced as a Professional Elective course
89	23CID3508	CLOUD DATA MANAGEMENT AND STORAGE SOLUTIONS	PE	3	Introduced as a Professional Elective course
90	23SDCS16R	CLOUD INFRASTRUCTURE DESIGN	SDC	2	Introduced as a Skill Development Elective course
Cloud Based Scientific Computing					

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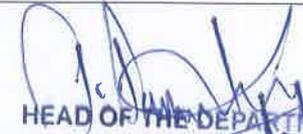
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S. No	Course Code	Course Title	Course Type	Credits	Remarks
91	23CSC3101R	FUNDAMENTALS OF CLOUD-BASED SCIENTIFIC COMPUTING	PE	5	Introduced as a Professional Elective course
92	23CSC3202R	DEVELOPMENT OF SCIENTIFIC APPLICATIONS USING CLOUD-BASED TECHNOLOGY	PE	3	Introduced as a Professional Elective course
93	23CSC3203R	DISTRIBUTED SCIENTIFIC COMPUTING IN THE CLOUD	PE	3	Introduced as a Professional Elective course
94	23CSC3304R	CLOUD BASED HIGH PERFORMANCE COMPUTING	PE	5	Introduced as a Professional Elective course
95	23CSC3405M	CLOUD-BASED GRID COMPUTING	PE	3	Introduced as a Professional Elective course
96	23CSC3406M	CLOUD COMPUTING FOR SCIENTIFIC DISCOVERY	PE	3	Introduced as a Professional Elective course
97	23CSC3507	CLOUD-BASED SCALABLE COMPUTING AND BIG DATA ANALYTICS	PE	3	Introduced as a Professional Elective course
98	23CSC3508	PARALLEL COMPUTING FOR SCIENTISTS USING CLOUD PLATFORMS	PE	3	Introduced as a Professional Elective course
99	23SDCS14R	CLOUD ARCHITECTURES FOR SCIENTIFIC WORKLOADS	SDC	2	Introduced as a Skill Development Elective course
Cloud Native Security					
100	23CNS3101R	INTRODUCTION TO CLOUD NATIVE COMPUTING	PE	5	Introduced as a Professional Elective course
101	23CNS3202R	FUNDAMENTALS OF CLOUD SECURITY	PE	3	Introduced as a Professional Elective course


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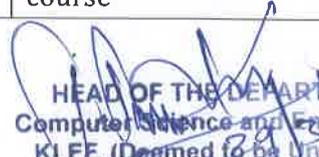
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S. No	Course Code	Course Title	Course Type	Credits	Remarks
102	23CNS3303R	CONTAINER SECURITY	PE	5	Introduced as a Professional Elective course
103	23CNS3404M	MICROSERVICES SECURITY	PE	3	Introduced as a Professional Elective course
104	23CNS3405M	INFRASTRUCTURE AS CODE SECURITY	PE	3	Introduced as a Professional Elective course
105	23CNS3406M	IDENTITY AND ACCESS MANAGEMENT IN CLOUD NATIVE ENVIRONMENTS	PE	3	Introduced as a Professional Elective course
106	23CNS3407M	NETWORK SECURITY IN CLOUD NATIVE ARCHITECTURES	PE	3	Introduced as a Professional Elective course
107	23CNS3508	MONITORING AND LOGGING FOR CLOUD NATIVE SECURITY	PE	3	Introduced as a Professional Elective course
108	23CNS3509	COMPLIANCE AND GOVERNANCE IN CLOUD NATIVE ENVIRONMENTS	PE	3	Introduced as a Professional Elective course
109	23CNS3510	SERVERLESS SECURITY	PE	3	Introduced as a Professional Elective course
110	23CNS3511	CLOUD NATIVE SECURITY TOOLS AND SOLUTIONS	PE	3	Introduced as a Professional Elective course
111	23CNS3512	FUTURE TRENDS IN CLOUD NATIVE SECURITY	PE	3	Introduced as a Professional Elective course
AI Driven Edge Architectures & Applications					
112	23ADE3101R	EDGE COMPUTING FUNDAMENTALS	PE	5	Introduced as a Skill Development Elective course
113	23ADE3202R	AI AT THE EDGE	PE	3	Introduced as a Professional Elective course


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114	23ADE3303R	EDGE AI ARCHITECTURES AND APPLICATIONS	PE	5	Introduced as a Professional Elective course
115	23ADE3404M	EDGE AI AND 5G	PE	3	Introduced as a Professional Elective course
116	23ADE3405M	EDGE AI SECURITY AND PROTECTION	PE	3	Introduced as a Professional Elective course
117	23ADE3506	EDGE AI DEVELOPMENT FRAMEWORKS AND TOOLS	PE	3	Introduced as a Professional Elective course
118	23ADE3507	EDGE AI ANALYTICS AND DATA MANAGEMENT	PE	3	Introduced as a Professional Elective course
119	23ADE3508	EDGE AI AND SUSTAINABILITY	PE	3	Introduced as a Professional Elective course
120	23SDCS20R	SMART IOT AND SENSOR NETWORKS	SDC	2	Introduced as a Skill Development Elective course
Hardware-Software co-design for Security					
121	23HSS3101R	INTRODUCTION TO HARDWARE-SOFTWARE CO-DESIGN	PE	5	Introduced as a Professional Elective course
122	23HSS3202R	FUNDAMENTALS OF COMPUTER SECURITY	PE	3	Introduced as a Professional Elective course
123	23HSS3303R	HARDWARE SECURITY MECHANISMS	PE	5	Introduced as a Professional Elective course
124	23HSS3404M	SOFTWARE SECURITY PRINCIPLES	PE	3	Introduced as a Professional Elective course
125	23HSS3405M	SECURE CO-DESIGN METHODOLOGIES	PE	3	Introduced as a Professional Elective course


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S. No	Course Code	Course Title	Course Type	Credits	Remarks
126	23HSS3406M	HARDWARE TROJAN DETECTION AND PREVENTION	PE	3	Introduced as a Professional Elective course
127	23HSS3507	SIDE-CHANNEL ATTACKS AND COUNTERMEASURES	PE	3	Introduced as a Professional Elective course
128	23HSS3508	FORMAL METHODS FOR HARDWARE-SOFTWARE SECURITY	PE	3	Introduced as a Professional Elective course
129	23HSS3509	TRUSTED PLATFORM MODULES AND SECURE ELEMENTS	PE	3	Introduced as a Professional Elective course
130	23HSS3510	SECURE COMMUNICATION PROTOCOLS AND APIS	PE	3	Introduced as a Professional Elective course
131	23HSS3511	HARDWARE-SOFTWARE CO-DESIGN	PE	3	Introduced as a Professional Elective course
132	23HSS3512	FUTURE TRENDS IN HARDWARE-SOFTWARE CO-DESIGN FOR SECURITY	PE	3	Introduced as a Professional Elective course
133	23SDCS21R	HARDWARE SOFTWARE CODESIGN IMPLEMENTATION FOR SECURITY SPECILAITY	SDC	2	Introduced as a Skill Development Elective course

The additional Courses discussed and approved under Honors Advanced Flexi Core, HTE Flexi Core - Experiential Learning, HTR Flexi Core - Research, and HTI Flexi Core - Innovation.

S. No	Course Code	Course Title	Course Type	Credits	Remarks
1	23CS04HF	HIGH PERFORMANCE COMPUTING	HFC-CORE	4	Introduced as honors flexi core
2	23CS03HF	ADVANCED ALGORITHMS & DATA STRUCTURES	HFC-CORE	4	Introduced as honors flexi core

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3	23CS02HF	EMBEDDED SYSTEMS DESIGN	HFC-CORE	4	Introduced as honors flexi core
4	23EC2106R	PROCESSORS AND CONTROLLERS	HFC-CORE	4	Introduced as honors flexi core
5	23CS02EF	SCALABLE SYSTEM ENGINEERING	HEC-CORE	4	Introduced as honors experiential learning flexicore
6	23CS01EF	FRONTEND DEVELOPMENT FRAMEWORKS	HEC-CORE	4	Introduced as honors experiential learning flexicore
7	23CS03EF	OPEN-SOURCE ENGINEERING	HEC-CORE	4	Introduced as honors experiential learning Flexi core
8	23CS04EF	DECENTRALISED COMPUTING WITH WEB3 AND DAPPS	HEC-CORE	4	Introduced as honors experiential learning Flexi core
9	23CS05EF	PYTHON FULL STACK DEVELOPMENT WITH DJANGO	HEC-CORE	4	Introduced as honors experiential learning Flexi core
10	23CS06EF	MERN STACK WEB DEVELOPMENT	HEC-CORE	4	Introduced as honors experiential learning Flexi core
11	23CS01RF	INDEPENDENT STUDY & RESEARCH	HRC-CORE	3	Introduced as honors through research Flexi core
12	23CS02RF	RESEARCH METHODOLOGY, ETHICS & SCIENTIFIC WRITING	HRC-CORE	3	Introduced as honors through research Flexi core
13	23IE03RF	RESEARCH SEMINAR	HRC-CORE	3	Introduced as honors through research Flexi core
14	23IE04RF	TERM PAPER	HRC-CORE	3	Introduced as honors through research Flexi core
15	23DT01IF	ENTREPRENEURIAL TECHNOLOGY DEVELOPMENT AND PROTOTYPING	HIC-CORE	4	Introduced as honors through innovation flexi core

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16	23DT02IF	CUSTOMER DISCOVERY FOR STARTUPS	HIC-CORE	4	Introduced as honors through innovation flexi core
17	23DT03IF	CUSTOMER VALIDATION FOR STARTUPS	HIC-CORE	4	Introduced as honors through innovation flexi core
18	23DT04IF	CUSTOMER CREATION AND MARKETING FOR ENTREPRENEURS	HIC-CORE	4	Introduced as honors through innovation flexi core

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

AGENDA ITEM-3

Proposed to revise the syllabus for 2022-23, 2023-24 and 2024-25 admitted batch B. Tech CSE Students based on the feedback received from stakeholders.	Resolution: Approved the revision of syllabus for B.Tech 2022-23, 2023-24 and 2024-25 admitted batch and the same is recommended to Academic Council.
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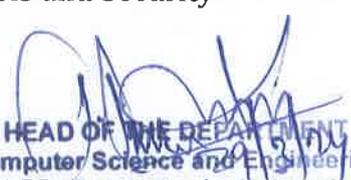
To consider and approve the revision of syllabus for 2022-23, 2023-24 and 2024-25 admitted batch students based on the stake holders feedback.

1. Mr. Jonnalagadda Surya Kiran, Assistant Professor, Faculty, recommended revising the course "Java FullStack Development+Microservices" to replace the HTML content with the react.js to design the front end for web applications.

It is resolved to approve the revision of syllabus in "Java FullStack Development+Microservices" course to 2022-23 admitted batches.

2. Dr. Challa Narasimham, Professor, recommended revising the course titled "Network Protocols and Security" (NPS) to the curriculum. This course will cover essential topics related to network communication protocols, cybersecurity principles, and techniques for safeguarding digital assets against cyber threats.

It is resolved to approve the revision of syllabus in "Network Protocols and Security" course to 2022-23, 2023-24 and 2024-25 admitted batches.


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3. Dr. S.Domnic, Professor, Academic Peer, recommended revising the course "Human Values, Gender Equality & Professional Ethics" to deepen its focus on contemporary societal issues, including diversity, inclusion, and ethical considerations in professional setting.

It is resolved to approve the revision of syllabus in "Human Values, Gender Equality & Professional Ethics" course to 2022-23, 2023-24 and 2024-25 admitted batches.

4. Dr. Rajya Lakshmi, Assistant Professor, Faculty, recommended revising the course "Linear Algebra and calculus for Engineers" to knowledge areas released by the ACM single variable integration, taylor rule, euler rule concepts are needed for the engineering students

It is resolved to approve the revision of syllabus in "Linear Algebra and calculus for Engineers" course to 2022-23, 2023-24 and 2024-25 admitted batches.

5. Mr. Shaik Muhammed, Alumni, recommended to revise the course Deep Learning, as per the new course introduced with Title AI & ML in their second year, enabling students to gain essential expertise and readiness to tackle real-world challenges in the rapidly evolving field of artificial intelligence.

It is resolved to approve the revision of syllabus in "Deep Learning" course to 2023-24 and 2024-25 admitted batches.

6. Dr Iwin and Dr S Sandeep, Faculty, recommended to revise the course artificial neural network as per the knowledge areas released by the ACM in AI specialization.

It is resolved to approve the revision of syllabus in "Artificial Neural Network" course to 2022-23, 2023-24 and 2024-25 admitted batches.


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S. No	Course Code	Course Title	Course Type	Percentage of Revision	Remarks
1	23MT1001	LINEAR ALGEBRA & CALCULUS FOR ENGINEERS	BSC	3%	Based on Faculty Feedback
2	23EC2210R	NETWORK PROTOCOLS & SECURITY	PCC	8%	Based on Academic Peer Feedback
3	23UC0026	HUMAN VALUES, GENDER EQUALITY & PROFESSIONAL ETHICS	HAS	12%	Based on Academic Peer Feedback
4	23AIP3305R	DEEP LEARNING	PE	10%	Based on Alumni Feedback
5	22SDCS03A	JAVA FULL STACK DEVELOPMENT + MICROSERVICES	SDC	20%	Based on Faculty Feedback
6	22AIP3204	Artificial Neural Networks	PE	10%	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)

AGENDA ITEM-4

To discuss and approve the 2024-25 admitted batch academic structures of all Certificate to PG programs offered by CSE department.	Resolution: Approved 2024-25 admitted batch academic structures of all Certificate to PG programs offered by CSE department and the same is recommended to Academic Council for approval.
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Chairman, discussed about course structures proposed for 2024-25 admitted batches of B.Tech -CSE and M.Tech – CSE programs. He also discussed the implementation details of Multi-Entry and Multi-Exit programs for UG students. Chairman BoS discussed the credit requirement and outcome requirement of all the programs offered by CSE.

A graduating student of B.Tech CSE, MUST acquire a minimum of total 160 (X) credits and all the 20 flexibilities of the B.Tech program are discussed using the following matrix.


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	No MAJOR FLEXIBILITY	HONORS	HTR	HTI	HTE
NO PROGRAM ADD-ON	Total Credits = x	Total Credits = x + 20			
SPECIALIZATION	Total Credits = x + 5	Total Credits = x + 30			
MINOR	Total Credits = x + 20	Total Credits = x + 40			
DOUBLE MAJOR	Total Credits = x + 25	Total Credits = x + 45			

A Post graduate student of M.Tech MUST acquire a minimum of total 81 credits.

The detailed Course Structure proposed for 2024-25 admitting batch Certificate Course in Computational Thinking & Engineering Science is given in Annexure-4(a).

The detailed Course Structure proposed for 2024-25 admitting batch Diploma in Computer Science is given in Annexure-4(b).

The detailed Course Structure proposed for 2024-25 admitting batch Bachelor of Science - Computer Engineering is given in Annexure-4(c).

The detailed Course Structure proposed for 2024-25 admitting batch B.Tech -CSE program is given in Annexure-4(d).

The detailed Course Structure proposed for 2024-25 admitting batch M.Tech -CSE program is given in Annexure-4(e).

The detailed degree requirements and outcome requirements of programs offered by CSE is given in Annexure-4(f).

AGENDA ITEM-5

To consider and approve the Program Development Documents (PDDs) of all Certificate to PG programs offered by the CSE department.	Resolution: Approved PDDs and the same is recommended to Academic Council for approval
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Chairman-BoS, discussed Y24 PDDs of PG and UG programs (UG includes Certificate Course, Diploma, Degree, Honors) we are implementing Multi-Entry and Multi-Exit.

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The Program Development Document (PDD) for Certificate Course in Computational Thinking & Engineering Science is given in Annexure-5(a).

The Program Development Document (PDD) for Diploma in Computer Science is given in Annexure-5(b).

The Program Development Document (PDD) for Bachelor of Science - Computer Engineering is given in Annexure-5(c).

The Program Development Document (PDD) for B.Tech-Computer Science and Engineering is given in Annexure-5(d).

The Program Development Document (PDD) for M.Tech-Computer Science and Engineering is given in Annexure-5(e).

AGENDA ITEM-6

To consider and approve the list of MOOCs courses offering to B. Tech -CSE 2023-24 and 2024-25 admitted batch students.	Resolution: Approved the list of MOOCs courses offering to 2023-24 and 2024-25 admitted batch students.
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The Chairman, BoS explained the importance of MOOCs (Massive Open Online Courses) in the curriculum which expands access to high-quality education, allowing students to learn at their own pace and from anywhere. These courses offer diverse subject options, fostering interdisciplinary learning and catering to individual interests. MOOCs also promote lifelong learning, digital literacy, and global collaboration, preparing students for the demands of the digital age and enhancing their competitiveness in the job market.

It is resolved to offer a proposed list of MOOC's Courses for the students of 2023-24 and 2024-25 B.Tech admitted batch students. The resolution is recommended to the Academic Council for approval.

The detailed list of MOOC's Courses is given in Annexure-6


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AGENDA ITEM-7

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

Resolution: Approved the list of Value Added courses offering to B. Tech -CSE 2022-23, 2023-24 and 2024-25 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 and 2024-25 admitted batch students. The resolution is recommended to the Academic Council for approval.

The detailed list of Value-Added Courses is given in Annexure-7

AGENDA ITEM-8

To consider and approve the courses proposed for double major programs offered by CSE for 2023-24 and 2024-25 admitted batch B.Tech students.

Resolution: Approved the courses proposed for double major programs offered by CSE for 2023-24 and 2024-25 admitted batch B.Tech students and the same is recommended to Academic Council for approval.

Chairman BoS discussed the list of courses proposed for double major programs offered by CSE. It is resolved to offer a proposed list of Courses for the students of 2023-24 and 2024-25 B.Tech admitted batch students. The resolution is recommended to the Academic Council for approval.

The detailed list of Double major programs Courses is given in Annexure-8.

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AGENDA ITEM-9

To consider and approve the courses proposed for minor programs offered by CSE for 2023-24 and 2024-25 admitted batch B.Tech students.	Resolution: Approved the courses proposed for minor programs offered by CSE for 2023-24 and 2024-25 admitted batch B.Tech students and the same is recommended to Academic Council for approval.
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Chairman BoS discussed the list of minor programs and the courses offered by CSE. It is resolved to offer the proposed minor programs and the list of Courses for the students of 2023-24 and 2024-25 B.Tech admitted batch students. The resolution is recommended to the Academic Council for approval.

A detailed list of minor programs and courses is given in Annexure-9.

AGENDA ITEM-10

To consider and approve the online mode (MOOCs mode) courses offered for 2022-23 admitted batch students to secure additional credits for honors degree.	Resolution: Approved the NPTEL platform to offer the courses for 2022-23 admitted batch honors students to secure additional credits and the same is recommended to the Academic Council for approval.
--	--

Chairman BoS discussed the honors degree credits requirement of 2022-23 admitted batch B.Tech students. Students who are having the CGPA eligibility and who aspires to do honors degree are recommended additional courses through NPTEL platform. It is resolved to offer the courses through the NPTEL platform for 2022-23 admitted batch honors students to secure additional credits and the same is recommended to the Academic Council for approval.

AGENDA ITEM-11

To consider and permit the extension for student 150030394 to complete the pending courses to secure the degree.	Resolution: Discussed one semester extension for the student and forwarded to the Academic Council for further approval.
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Chairman BoS discussed the student 150030394-degree requirement. Student needs to finish two more courses 15CS3112 and 15GN2205 to get the degree. In this connection, BoS members discussed on extension for one semester and forwarded it to the Academic Council for further approval.

AGENDA ITEM-12

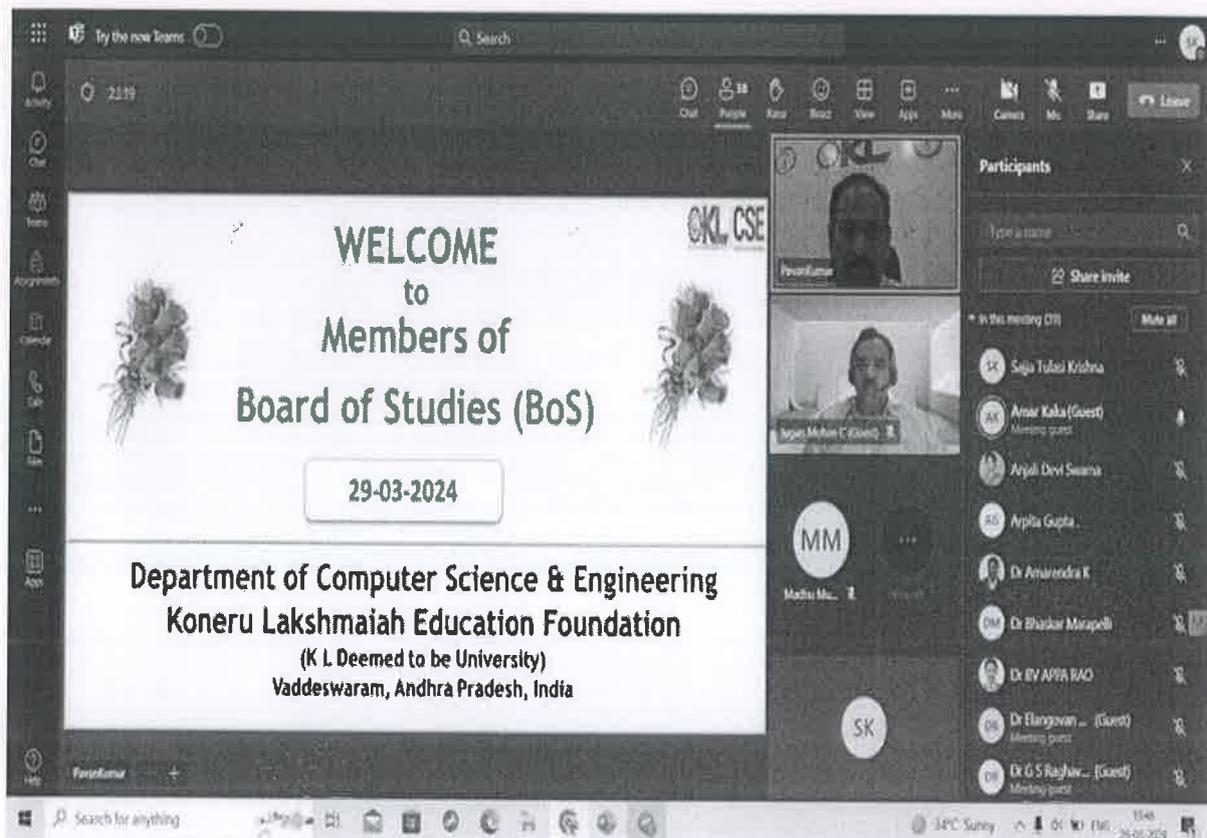
To consider and introduce the Fundamentals of IoT Devices course for 2020-21 admitted batch students.

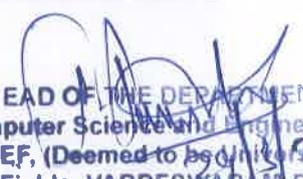
Resolution: Approved Fundamentals of IoT Devices course for the 2020-21 admitted batch and the same is recommended to Academic Council for approval.

Chairman BoS discussed about the student, who finished his project in IoT domain. Recommended to introduce the Fundamentals of IoT Devices course for giving equivalence and the same is recommended for academic council approval.

A detailed discussion on equivalence with project is given in Annexure-10

BoS Meeting (Online) Screenshot:




HEAD OF THE DEPARTMENT
Computer Science and Engineering
KLEF, (Deemed to be University)
Green Fields, VADDESARAM-522 302
Guntur District, Andhra Pradesh



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

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 Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

18:43

Participants: MM, AK, YS

Credit Distribution in Programs

Department of Computer Science & Engineering

Participants list:

- YS - Yelaneti Sriatha
- AK - Amar Kaka (G... (Unverified)
- Anjali Devi Swami
- AG - Apurva Gupta
- DG - Dr Adesa Gopi
- Dr Anandria K
- DM - Dr Shankar Marappelli
- Dr BV APPA RAO
- DR - Dr Elangovan - (Unverified)
- DR - Dr G S Rajgopal - (Unverified)
- DR - Dr P Praveen Kumar

24:16

Participants: MM, YS

New Courses

- SDC Courses**
 - Linux Administration & Automation
 - Full Stack Application Development (React with Spring Boot)
 - Full Stack Application Development (React with Node JS)
 - CI/CD Cloud Dev Ops (Regular/Advanced)
- Professional Core (PC)**
 - Artificial Intelligence and Machine Learning
 - Distributed Computing through Networks
- Flexi core Course (FC)**
 - Web 3 Development for Both Private and Public Blockchain
 - Any Point Platform Development: Fundamentals (APDF)
- Professional Elective (PE)**
 - Generative Deep Learning
- Basic Science Courses**
 - Theory of Computation
 - Discrete Mathematics
 - Stochastic Process Modelling
 - Numerical Analysis
 - Computational Geometry
 - Mathematical Optimization
- Science Elective - 1**
 - Data Science & Statistics
 - Nature Inspired Soft Computing
- Science Elective - 2**
 - Computational Physics
 - Electromagnetics
- Science Elective - 3**
 - Physical Chemistry & Thermodynamics
 - Computational Chemistry
 - Biochemistry

Link to Open: <https://kluniversity.in>

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