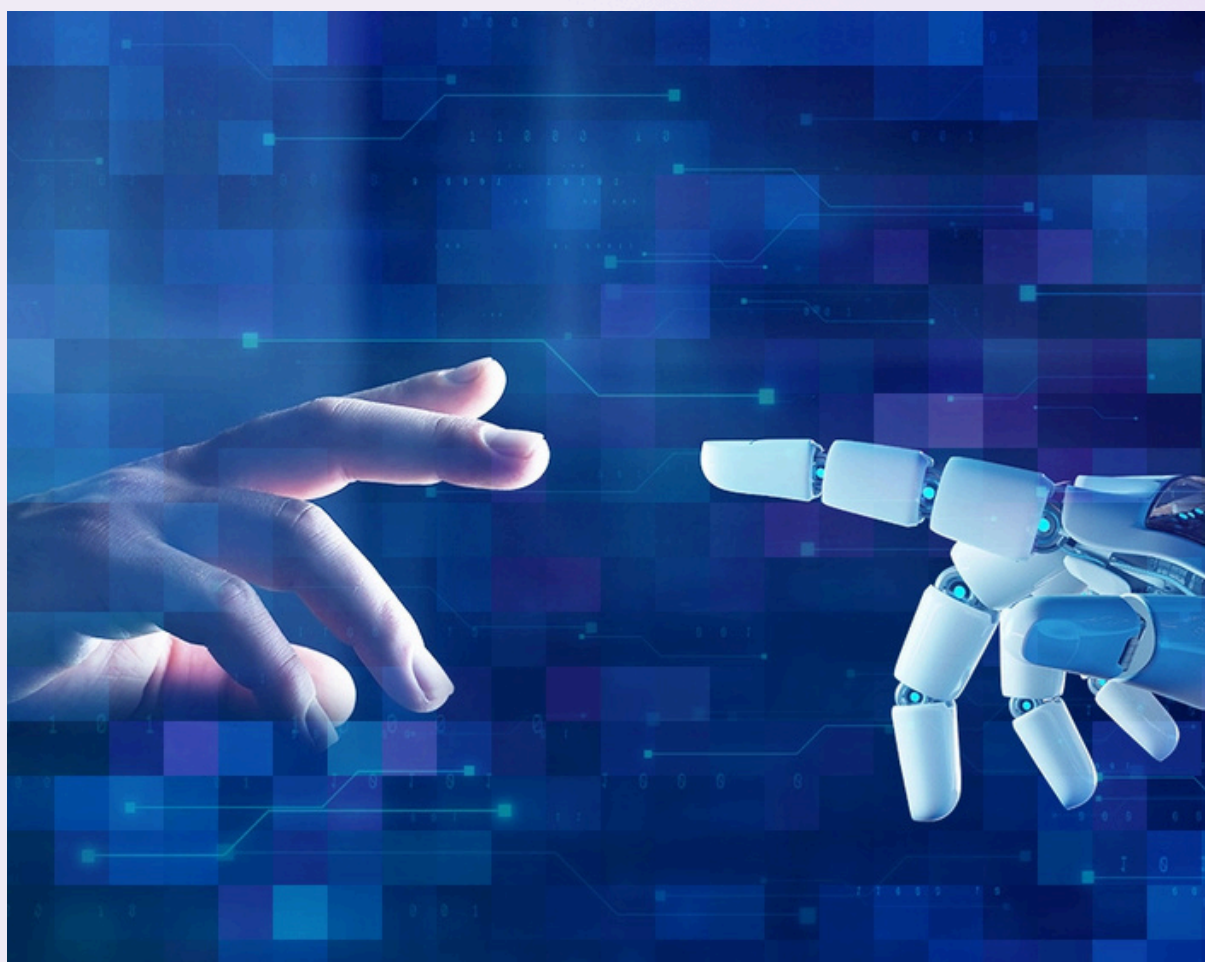


*DEPARTMENT OF COMPUTER SCIENCE
AND ENGINEERING*

BYTE BULLETIN

A NEWSLETTER



VOLUME 1 | ISSUE 1: JUNE 2026

About Byte Bulletin

ByteBulletin proudly presents a vibrant showcase of our department's milestones, capturing the spirit of learning, innovation, and excellence that defines our academic community. This edition highlights the enthusiastic participation of students in various co-curricular and extracurricular activities, along with their accomplishments in prestigious online courses and NPTEL certifications that reflect their commitment to continuous learning. The newsletter also celebrates the remarkable achievements of our dedicated faculty, whose contributions inspire academic growth and professional development. In addition, it features a comprehensive overview of department events, workshops, and initiatives, as well as notable student achievements and winners across diverse domains. ByteBulletin stands as a testament to our collective efforts, talent, and pursuit of excellence, offering readers an inspiring glimpse into the dynamic activities shaping our department.

CHIEF EDITOR



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Professor & Head/CSE

ASSOCIATE CHIEF EDITOR



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Vijayaakash B
727624BCS172



Raga Swetha DR
727624BCS067



Subhashree D
727625bcs164



Sivanethe K
727625bcs154



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727625bcs157



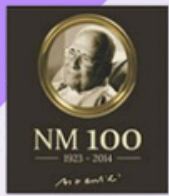
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Table of Content

S.No	Title	Page No
01	DEPARTMENT ACTIVITIES	01
02	FACULTY ACHIEVEMENTS	33
03	RESEARCH WORKS	40





VISION OF THE DEPARTMENT

To develop engineers with global employability, capability, research focus and social responsibility.

MISSION OF THE DEPARTMENT

- To develop internationally competent engineers in dynamic IT field by providing state-of-art academic environment and industry driven curriculum.
- To motivate and guide students to take up higher studies and establish entrepreneurial ventures.
- To enrich the department through committed and technically sound faculty team with research focus in thrust areas.
- To undertake societal problems and provide solutions through technical innovations and projects in association with the industry, society and professional bodies.

PROGRAMME EDUCATIONAL OBJECTIVES

PEO 1 : Domain Expertise - Possess expertise and emerge as key players in IT integrated domains.

PEO 2 : Computing Skills and Ethics - Employ computing skills to solve societal and environmental issues in an ethical manner.

PEO 3 : Lifelong Learning and Research - Involve in lifelong learning and research to meet the demands of global technology.

Programme Outcomes (POs)

PO1.Engineering Knowledge : Apply the knowledge of mathematics, science, engineering fundamentals and concepts of Computer Science to solve complex engineering problems.

PO2.Problem Analysis : Identify, review literature, formulate and analyse complex engineering problems using first principles of mathematics and engineering sciences.

PO3.Design and Development of Solutions : Design and develop computing solutions for complex engineering problems with societal and environmental awareness.

PO4.Complex problem Investigation : Investigate complex problems by employing research methods to arrive at valid conclusions.

PO5.Modern Tool Usage : Evaluate and use appropriate tools and techniques in engineering activities .

PO6.Societal contribution : Follow professional engineering practice by applying contextual knowledge to assess societal and legal issues.

PO7.Environment and Sustainability : Understand and provide professional engineering solutions taking into consideration environmental and economic sustainability.

PO8.Ethics : Follow ethical principles and norms in engineering practice.

PO9.Individual and Team work : Function effectively as an individual, team member or leader in diversified environments.

PO10.Communication : Communicate effectively through various modes for all engineering activities.

PO11.Project Management and Finance : Apply Engineering knowledge and management principles for effective project management in multidisciplinary environments.

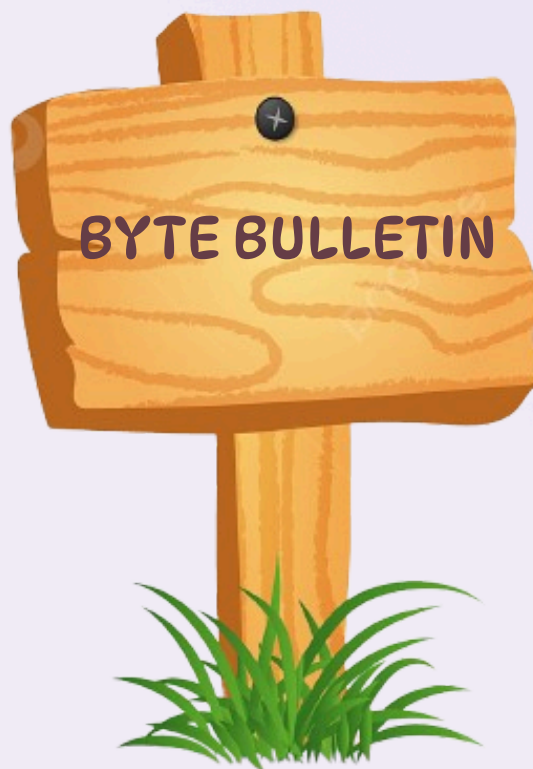
PO12.Life-long Learning : Engage in independent life-long learning and skill development for professional and social well being.

Programme Specific Outcomes (PSOs)

PSO1. Systems Engineering: Employ software engineering principles in the design and development of efficient systems.

PSO2. Knowledge Engineering: Apply data analytics techniques for solving real world problems.

DEPARTMENT ACTIVITIES



DEPARTMENT ACTIVITIES

01) DigiFlash Association Inauguration

The Department of Computer Science and Engineering is all set to inaugurate the DigiFlash Association on 17th July 2026, marking the beginning of an exciting journey of technological learning, innovation, and collaboration. The inauguration will bring together students and faculty members to introduce the vision and objectives of the association. Mr. K. Prabhu, Assistant Professor, will serve as the Association Coordinator, guiding and coordinating the activities of the DigiFlash Association. The program will provide students with an opportunity to explore their technical interests and actively participate in various association activities. The inauguration will mark the commencement of a series of engaging technical events, workshops, and innovative initiatives organized by the Department of Computer Science and Engineering under the DigiFlash Association.



02) Industrial Interaction Programme for Faculty Members

The Department of Computer Science and Engineering organized an Industrial Interaction Programme for Faculty Members on 13 June 2026. The session featured Mr. Mohanvar Suvarna, Vice President – Global Sales Head & Product Management at Connectwell Pvt. Ltd., Mumbai, who shared valuable insights on industry practices, product management, and the evolving expectations of the corporate sector. The programme provided faculty members with an opportunity to gain practical industry perspectives and strengthen the connection between academia and industry.

**Dr. MAHALINGAM**
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Organizes
Industrial Interaction for Faculty Members



Mr. Manohar Suvarna
Vice President
Global Sales Head & Product management at Connectwell Industries Pvt. Ltd, Mumbai

Date: 13. 06.2026
Time: 10:30am
Venue: C125

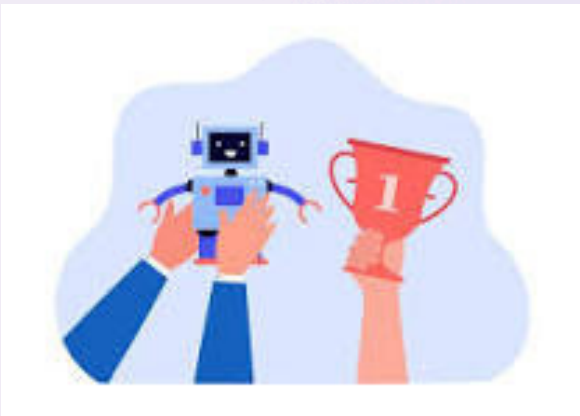
Convenor:
Dr.D.Sivaganesan
Professor & Head

Event Coordinators:
Dr.A.Noble Mary Juliet Professor/CSE
Dr.N.Suba Rani ASP/CSE

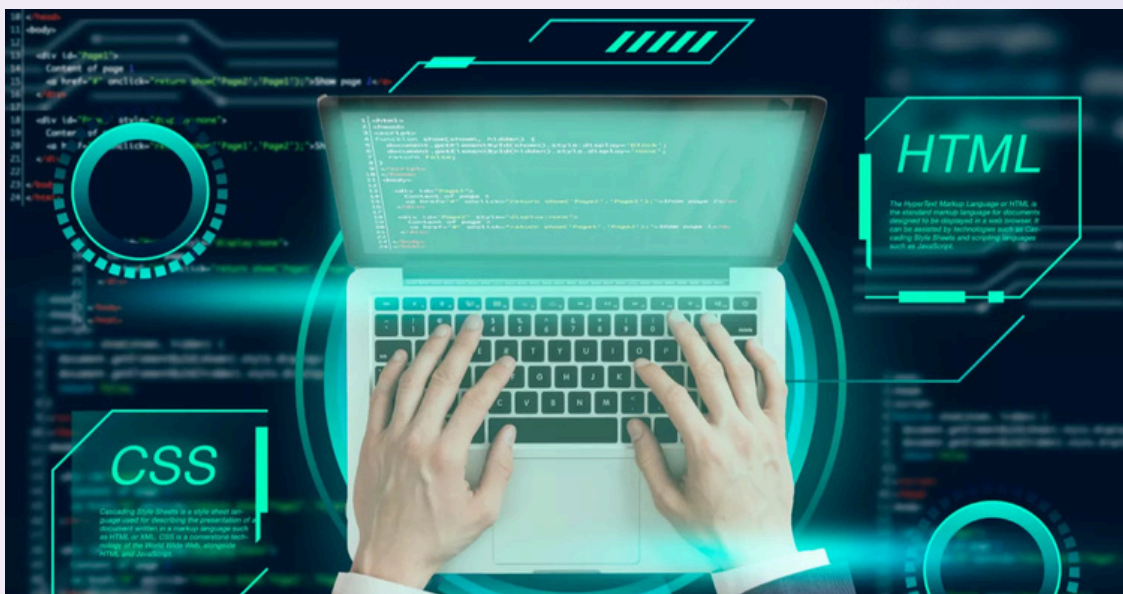

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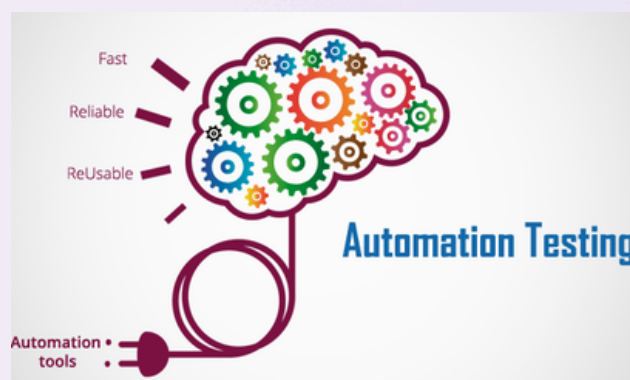
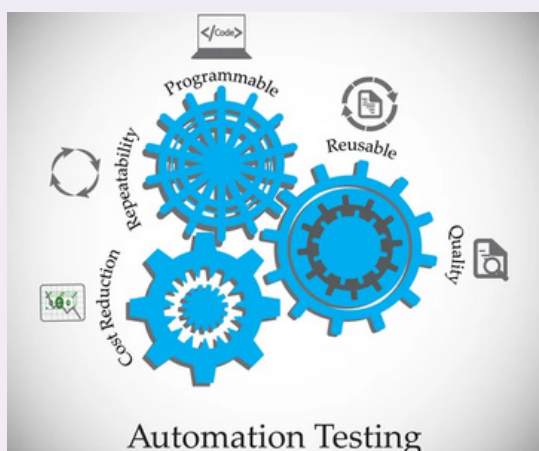
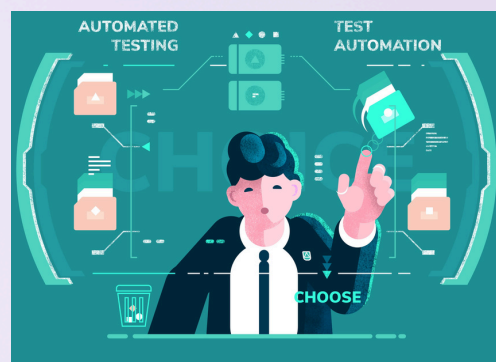
03)The Department of Computer Science and Engineering is all set to organize a series of **Technical Competitions** on 22nd July 2026, providing students with an exciting platform to showcase their technical knowledge, creativity, and problem-solving skills. The program will encourage students to actively participate, think innovatively, and apply their technical skills in a competitive environment. The event aims to promote healthy competition and enhance students' technical abilities through engaging activities organized by the Department of Computer Science and Engineering through the DigiFlash Association.



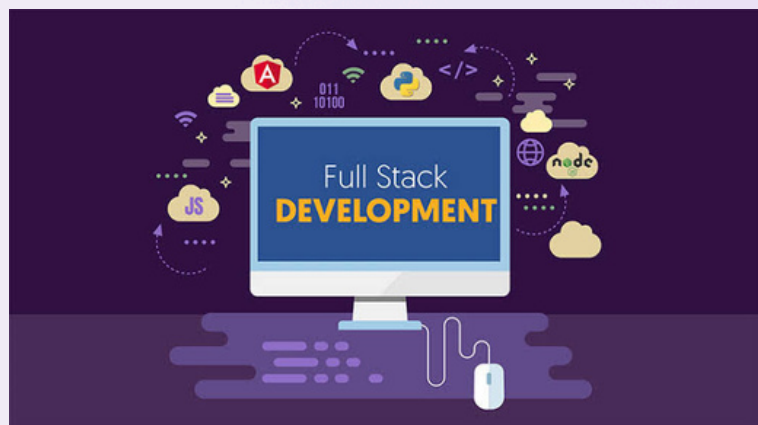
04) The Department of Computer Science and Engineering is all set to organize a **Coding Contest** on 24th July 2026, providing students with an exciting opportunity to demonstrate their programming skills, logical thinking, and problem-solving abilities. The program will encourage students to enhance their coding proficiency, develop efficient solutions, and tackle challenging programming problems. The Coding Contest aims to foster creativity, analytical thinking, and a competitive spirit among students through an engaging technical initiative organized by the Department of Computer Science and Engineering through the DigiFlash Association.



05) The Department of Computer Science and Engineering is all set to organize a seminar on “**Automated Testing and Debugging**” on 31st July 2026, providing students with valuable insights into modern software testing practices and debugging techniques. The seminar will help students understand the importance of automated testing, efficient debugging, and quality assurance in software development. It aims to enhance students' technical knowledge and encourage them to explore industry-relevant practices through an insightful initiative organized by the Department of Computer Science and Engineering through the DigiFlash Association.



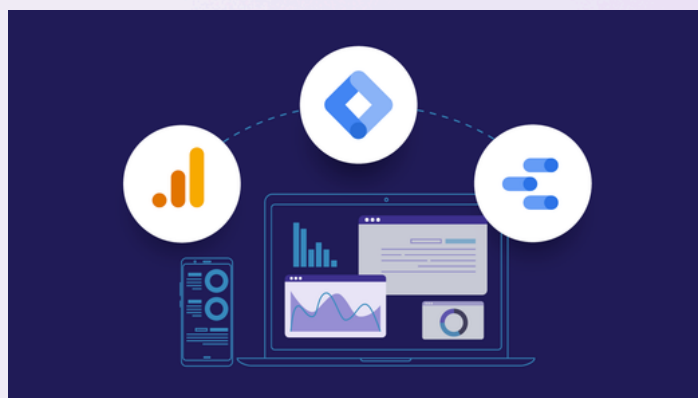
06) The Department of Computer Science and Engineering is all set to organize a two-day workshop on **“Full Stack Development: A Hands-On Workshop”** on 6th and 7th August 2026, providing students with an opportunity to gain practical knowledge and hands-on experience in full-stack web development. The sessions will focus on developing students' understanding of both front-end and back-end technologies through practical learning and interactive activities. This workshop aims to strengthen students' technical skills, encourage innovation, and provide valuable industry-oriented exposure through an engaging initiative organized by the Department of Computer Science and Engineering through the DigiFlash Association.



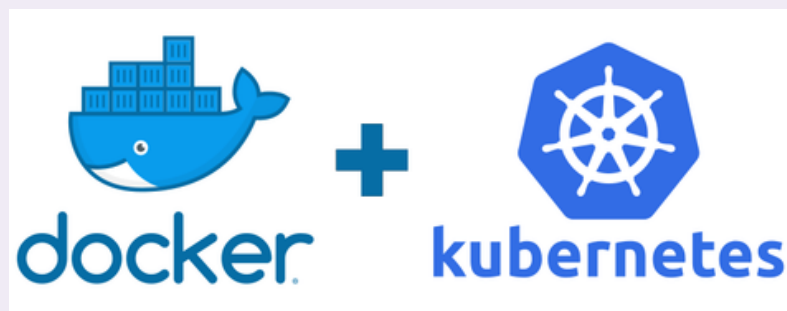
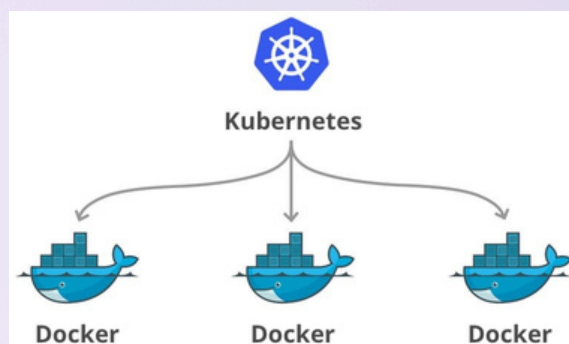
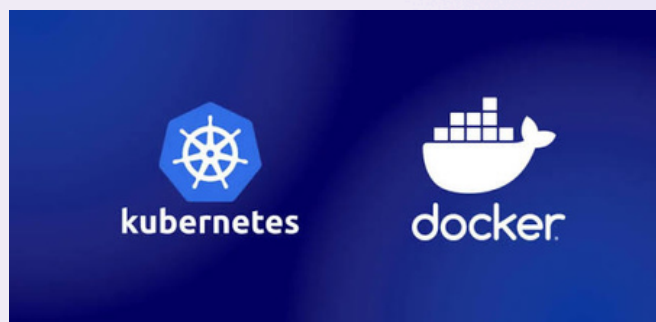
07) The Department of Computer Science and Engineering is all set to organize a two-day workshop on “**AWS for Digital Transformation and Innovation**” on 6th and 7th August 2026, providing students with valuable insights into cloud computing and its role in modern digital transformation. The workshop will introduce students to the fundamentals of Amazon Web Services (AWS) and its applications in developing innovative, scalable, and cloud-based solutions. It aims to enhance students' technical skills and encourage them to explore emerging cloud technologies through an engaging initiative organized by the Department of Computer Science and Engineering through the DigiFlash Association.



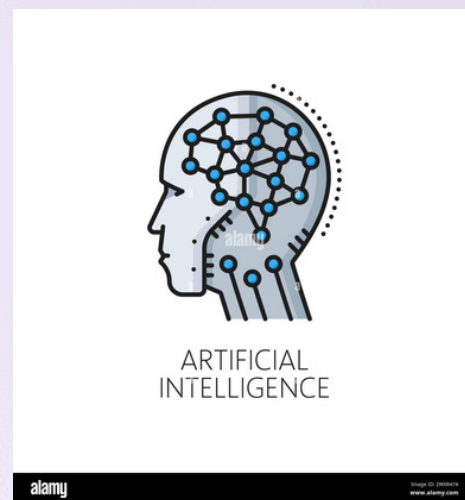
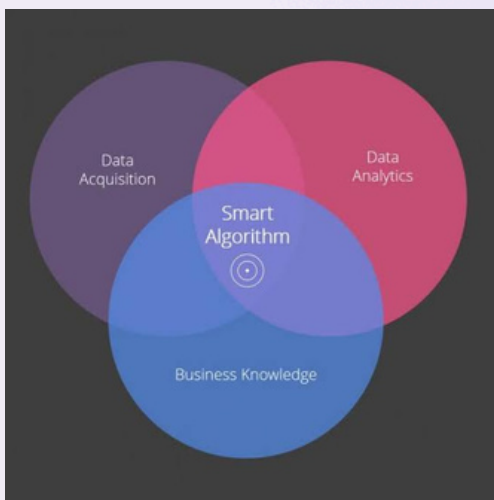
08) The Department of Computer Science and Engineering is all set to organize a **seminar on “Digital Analytics Insights”** on 14th August 2026, providing students with an opportunity to explore the significance of data analytics in the rapidly evolving digital world. . The seminar will introduce students to the fundamentals of digital analytics and its role in transforming data into meaningful and actionable insights. It aims to enhance students' analytical thinking and awareness of industry-relevant practices through an engaging initiative organized by the Department of Computer Science and Engineering through the DigiFlash Association.



09) The Department of Computer Science and Engineering is all set to organize a **seminar on “Docker and Kubernetes”** on 21st August 2026, providing students with valuable insights into containerization, deployment, and modern cloud-native technologies. The seminar will introduce students to the fundamentals of Docker and Kubernetes and their applications in developing, deploying, and managing modern software systems. It aims to enhance students' technical knowledge and encourage them to explore emerging technologies through an engaging initiative organized by the Department of Computer Science and Engineering through the DigiFlash Association.



10) The Department of Computer Science and Engineering is all set to organize a **guest lecture on “Smart Algorithms: From Theory to Practice”** on 21st August 2026, providing students with an opportunity to explore the practical applications of algorithms in solving real-world problems. The session will focus on enhancing students' understanding of algorithmic concepts, efficient problem-solving techniques, and their practical implementation. It aims to bridge the gap between theoretical knowledge and real-world applications while encouraging students to strengthen their computational thinking through an engaging initiative organized by the Department of Computer Science and Engineering through the DigiFlash Association.



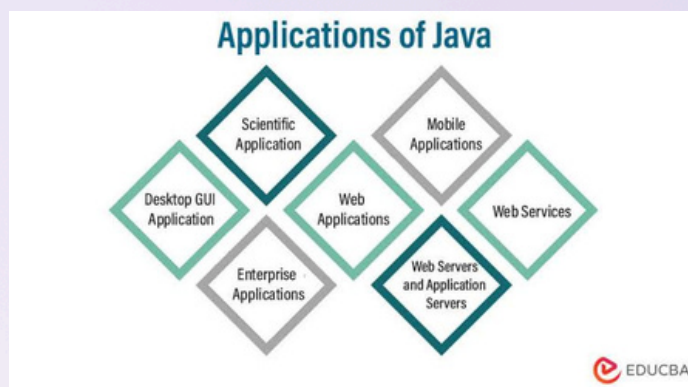
11) The Department of Computer Science and Engineering is all set to organize a two-day **workshop on “Generative AI and Prompt Engineering”** on 27th and 28th August 2026, providing students with an opportunity to explore the rapidly evolving field of artificial intelligence. The workshop will introduce students to the concepts of generative AI and prompt engineering, along with their practical applications in modern technology. It aims to enhance students' AI skills, creativity, and ability to effectively interact with intelligent systems through an engaging initiative organized by the Department of Computer Science and Engineering through the DigiFlash Association.



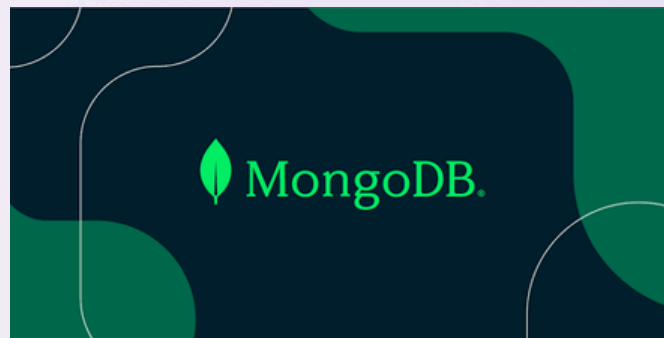
12) The Department of Computer Science and Engineering is all set to organize a **guest lecture on “Serverless Computing: Event-Driven Applications in the Cloud”** on 11th September 2026, providing students with an opportunity to explore modern cloud computing concepts and event-driven application development. The session will introduce students to the fundamentals of serverless computing and its role in building scalable and efficient cloud-based applications. It aims to enhance students' understanding of emerging cloud technologies and encourage them to explore innovative approaches to software development through an engaging initiative organized by the Department of Computer Science and Engineering through the DigiFlash Association.



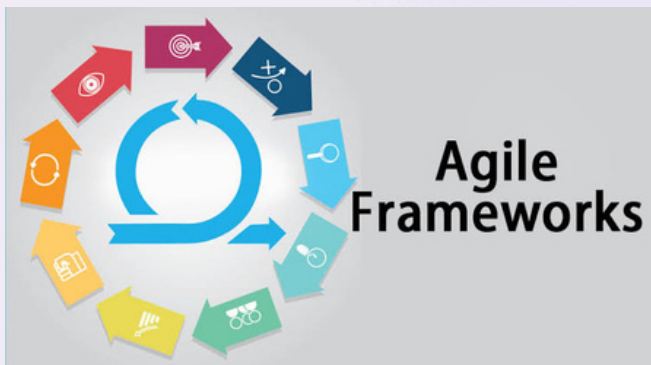
13)The Department of Computer Science and Engineering is all set to organize a two-day workshop on “**Hands-On Java: Building Applications from Scratch**” on 17th and 18th September 2026, providing students with an opportunity to strengthen their programming skills through practical and application-oriented learning. The workshop will focus on Java programming fundamentals, application development, and hands-on implementation of concepts through practical activities. It aims to enhance students' coding proficiency, logical thinking, and confidence in developing Java-based applications through an engaging initiative organized by the Department of Computer Science and Engineering through the DigiFlash Association.



14) The Department of Computer Science and Engineering is all set to organize a **workshop on “MongoDB”** on 23rd September 2026, providing students with an opportunity to explore modern database technologies and gain practical knowledge of NoSQL database management. The program will introduce students to MongoDB concepts, document-based data storage, database operations, and practical applications. It aims to enhance students' database skills and encourage them to explore modern data management technologies through an engaging initiative organized by the Department of Computer Science and Engineering through the DigiFlash Association.



15) The Department of Computer Science and Engineering is all set to organize a seminar on “**Scrum Essentials: Agile Framework for Successful Projects**” on 25th September 2026, providing students with valuable insights into Agile methodologies and effective project management practices. The seminar will introduce students to the core principles of Scrum, Agile practices, teamwork, and iterative project development. It aims to enhance students' understanding of collaborative project management and prepare them to apply Agile methodologies effectively in real-world projects through an engaging initiative organized by the Department of Computer Science and Engineering through the DigiFlash Association.



AGILE METHODOLOGY



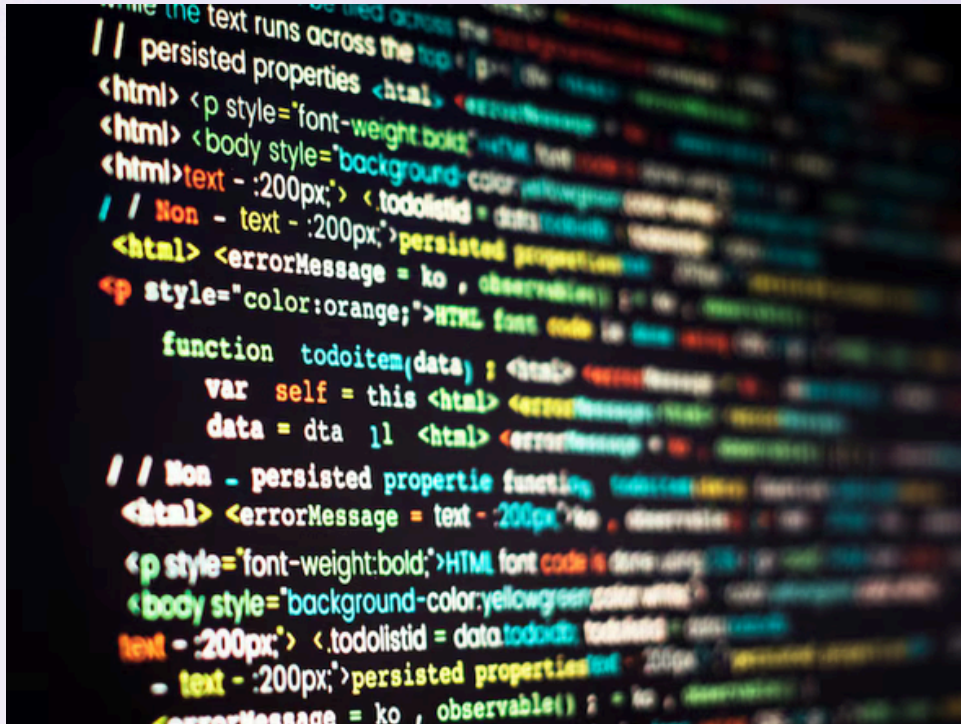
16)The Department of Computer Science and Engineering is all set to organize a **Hackathon** on 9th October 2026, providing students with an exciting platform to showcase their creativity, technical expertise, and problem-solving abilities. The program will encourage students to collaborate, develop innovative solutions, and apply their programming and technical skills to real-world challenges. It aims to foster creativity, teamwork, critical thinking, and innovation through an engaging initiative organized by the Department of Computer Science and Engineering through the DigiFlash Association.



17) The Department of Computer Science and Engineering will organize a **Two-Day Workshop on “DevOps”** on 22.10.2026 and 23.10.2026. The workshop will provide students with practical exposure to DevOps tools, automation, CI/CD pipelines, cloud technologies, and industry best practices, helping them enhance their software development skills.



18)The Department of Computer Science and Engineering will organize **Hacktober Fest 2K26** on 30.10.2026 . It will encourage students to contribute to open-source projects, collaborate with peers, improve their coding abilities, and gain real-world software development experience.



19)The Department of Computer Science and Engineering will organize a **Code Debugging** Event on 06.11.2026 . It will test students' analytical thinking, debugging techniques, and programming knowledge while promoting logical problem-solving skills.



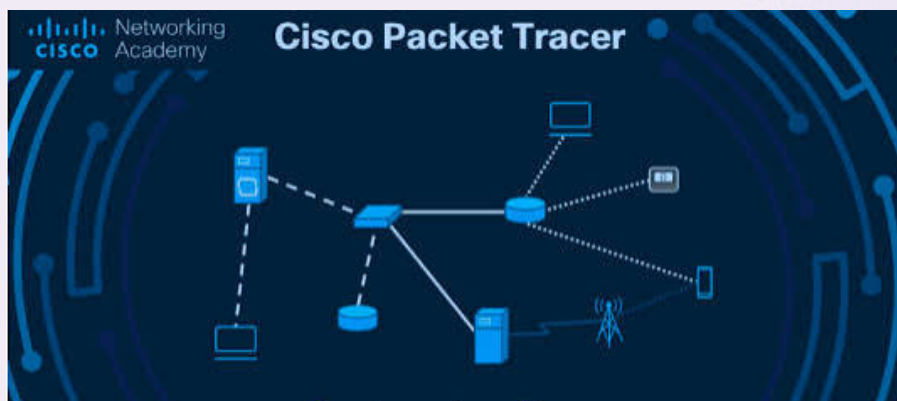
20) The Department of Computer Science and Engineering will organize a **Poster Presentation** on 08.01.2027. It will provide students with a platform to present innovative technical ideas, improve communication skills, and showcase their creativity.



21)The Department of Computer Science and Engineering will organize a Two-Day **Workshop on “AI Tools”** on 29.01.2027 and 30.01.2027 . The workshop is aimed to introduce students to the latest AI tools and demonstrate their applications in academics, research, and software development.



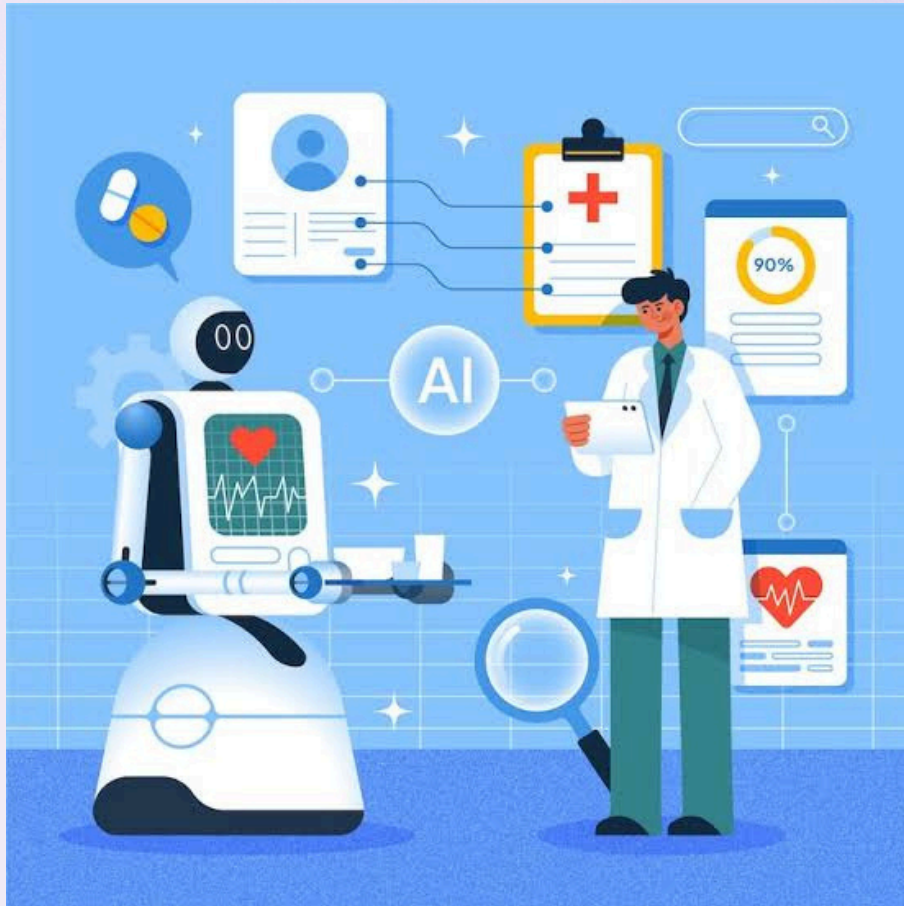
22) The Department of Computer Science and Engineering will organize Network Ninja: A Two-Day **Cisco Packet Tracer Workshop** on 12.02.2027 and 13.02.2027 . The sessions is aimed to provide hands-on training in network design, simulation, and troubleshooting using Cisco Packet Tracer.



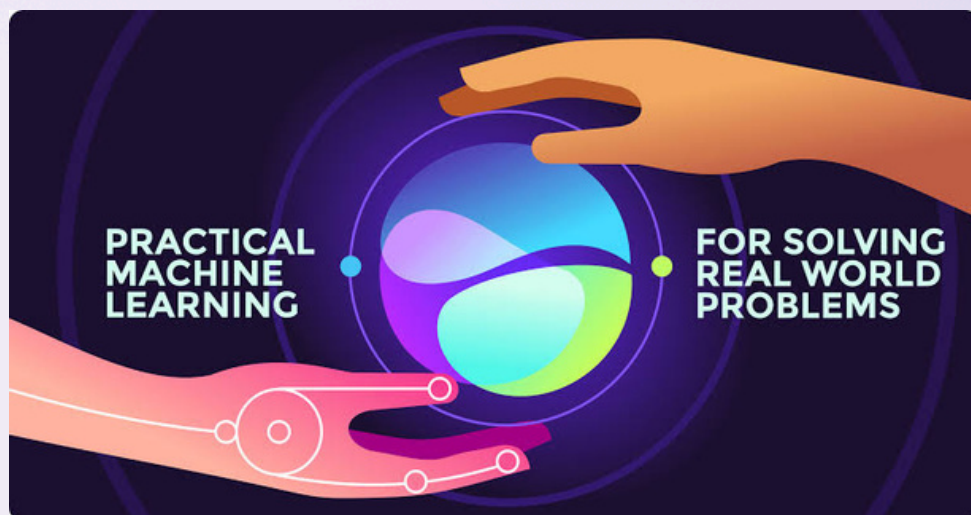
23) The Department of Computer Science and Engineering will organize a **Project Expo** on 19.02.2027 . It will offer students an opportunity to showcase innovative projects, demonstrate technical knowledge, and present practical solutions to real-world challenges.



24) The Department of Computer Science and Engineering will organize a **Guest Lecture on “AI in Healthcare”** on 26.02.2027 . The lecture will explore the impact of artificial intelligence in healthcare and its role in improving medical diagnosis and patient care.



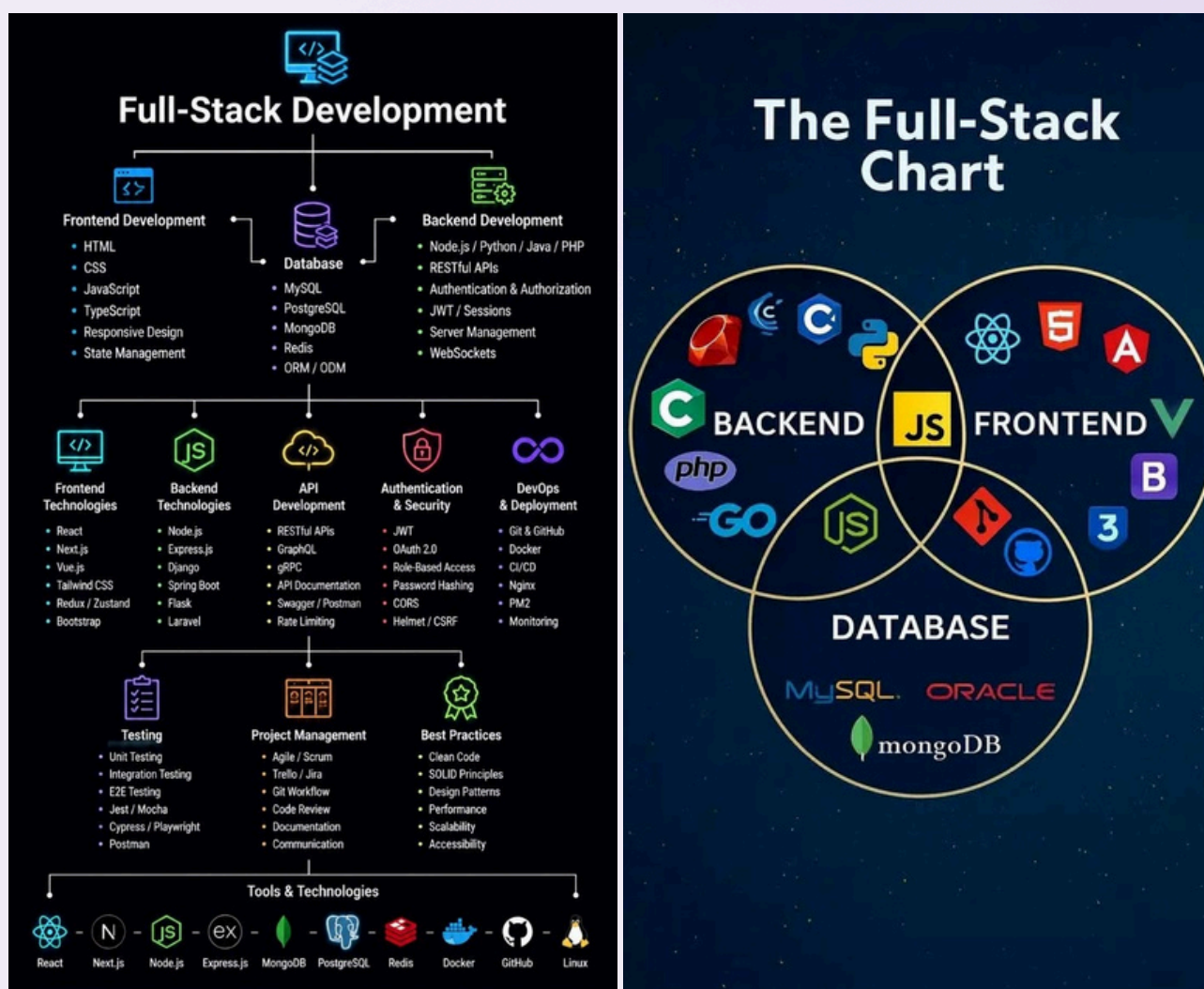
25) The Department of Computer Science and Engineering will organize a **Workshop on “Applied Machine Learning for Real-World Problem Solving”** on 26.02.2027 . The workshop will be coordinated by K. Radha and Prabhu K. It will provide students with practical knowledge of machine learning techniques and their real-world applications.



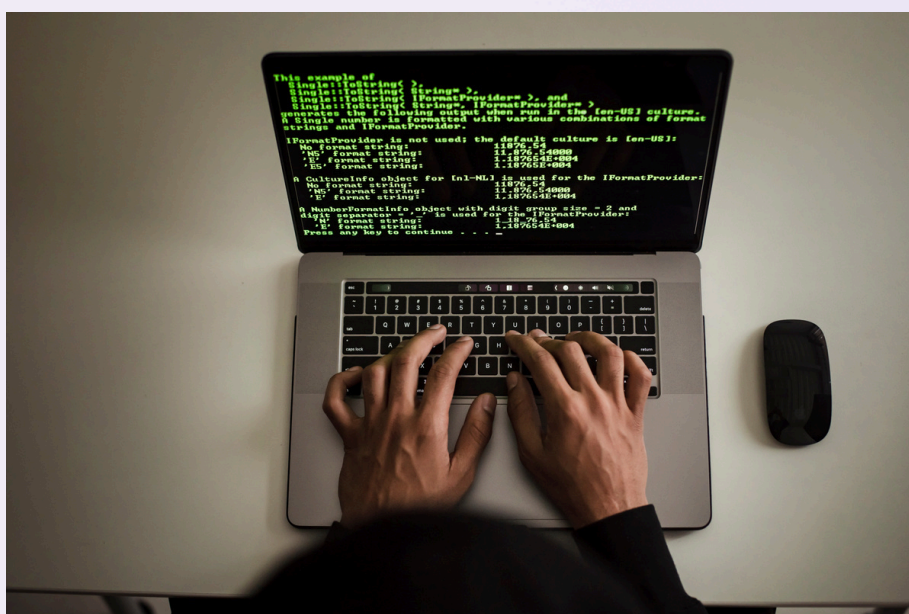
26) The Department of Computer Science and Engineering will organize a **Guest Lecture on “AI-Driven Cybersecurity: Threat Intelligence, Digital Defense, and Secure Computing”** on 27.02.2027 . It will focus on AI-powered cybersecurity techniques, digital defense strategies, and emerging security trends.



27) The Department of Computer Science and Engineering will organize a **Workshop on “Designing and Deploying Full-Stack Enterprise Applications”** on 05.03.2027 . the workshop is aimed to provide students with practical insights into full-stack application development and enterprise deployment techniques.



28) The Department of Computer Science and Engineering will organize a Two-Day **Workshop on “Data Science with Python: Pandas, NumPy, and Visualization”** on 12.03.2027 and 13.03.2027 . The workshop will be coordinated by Vikram D and will provide students with hands-on experience in data analysis, visualization, and Python programming.



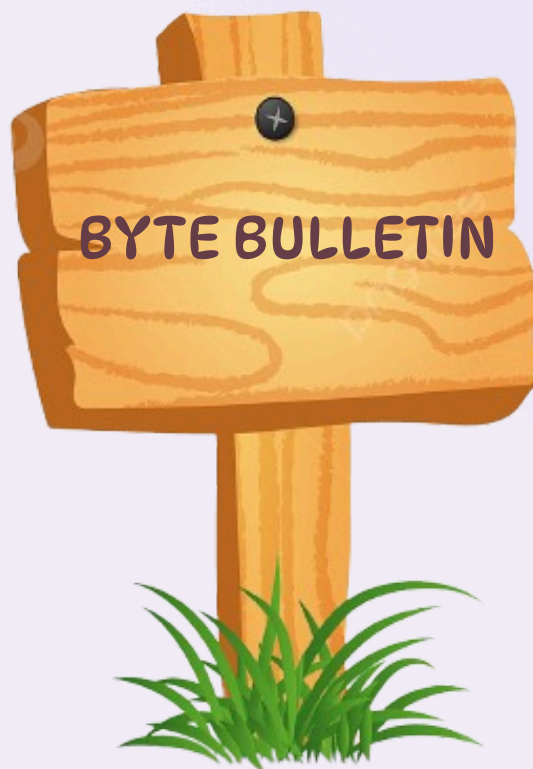
29) The Department of Computer Science and Engineering will organize **DIGIFEST 2K27** on 26.03.2027. It will serve as a platform for students to exhibit their technical talents, creativity, teamwork, and innovative ideas through various competitions and activities.



30) The Department of Computer Science and Engineering will organize the **Valedictory Function** on 16.04.2027 under the guidance of Dr. D. Sivaganesan and Dr. A. Noble Mary Juliet. The program will be coordinated by Mr. K. Prabhu. The event will recognize students' achievements and mark the successful conclusion of the department's academic and association activities for the academic year.

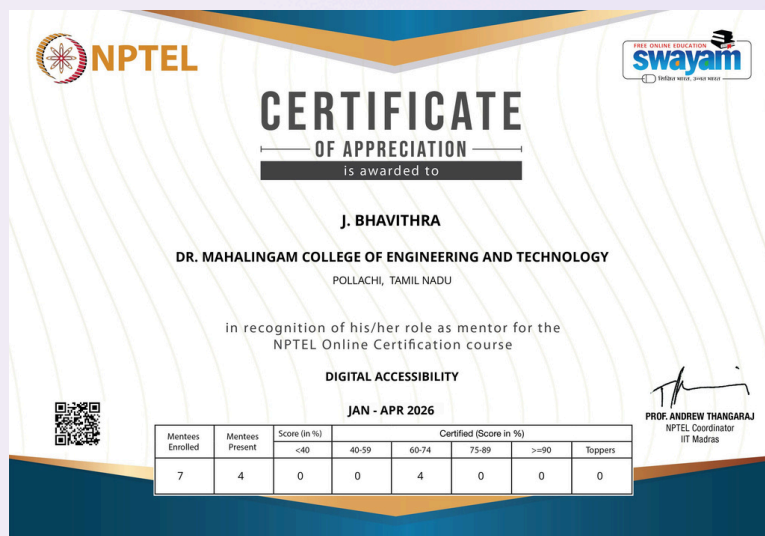


FACULTY ACHIEVEMENTS



FACULTY ACHIEVEMENTS

01) **Dr.J.Bhavithra, Associate Professor/CSE** from Dr. Mahalingam College of Engineering and Technology, Pollachi, Tamil Nadu, has successfully served as a Mentor for the NPTEL Online Certification Course on “**Digital Accessibility**”, conducted during January–April 2026. Her contribution and support towards mentoring the course participants were duly recognized by NPTEL, IIT Madras.



02) **Dr.J.Bhavithra, Associate Professor/CSE** has successfully completed the Short-Term Course on **Women Studies** (Online Mode) conducted under the **Malaviya Mission Teacher Training Programme (MMTTP)** of the University Grants Commission (UGC), organized by the UGC-Malaviya Mission Teacher Training Centre, **Banaras Hindu University**, from June 15–20, 2026, securing **Grade A**.



03) **Dr.U.Barakkath Nisha, Professor/CSE**, Dr. Mahalingam College of Engineering and Technology, Pollachi, has successfully attended the Faculty Development Programme on “**Shaping the Future with Generative AI and Digital Twins in IoT for Smart Cities,**” organized by the IEEE Madras Section and hosted by IEEE SB, PSNA College of Engineering & Technology, Dindigul, held from 1st to 5th June 2026.



04) **Dr.U.Barakkath Nisha, Professor/CSE** has successfully completed the Short-Term Course on **Women Studies** (Online Mode) conducted under the **Malaviya Mission Teacher Training Programme (MMTTP)** of the University Grants Commission (UGC), organized by the UGC-Malaviya Mission Teacher Training Centre, **Banaras Hindu University**, from June 15–20, 2026, securing **Grade A+**.



05) **Ms. Radhika K Manjusha, Assistant Professor(SS)/CSE** Dr. Mahalingam College of Engineering and Technology, has successfully completed a **Short Term Course on “Women Studies”** (Online Mode) under the **Malaviya Mission Teacher Training Programme (MMTTP)** of the University Grants Commission (UGC), organized by the UGC-Malaviya Mission Teacher Training Centre, **Banaras Hindu University, Varanasi**, from 15th to 20th June 2026, and obtained **Grade A**.



06) **Mr.S.Senthil Prabhu, Assistant Professor(SS)/CSE** has successfully participated in a **Faculty Development Programme on “Digital Marketing”**, conducted by **Infosys BPM Ltd.** under its **Corporate Social Responsibility initiative**, at Infosys BPM Ltd., Mangalore, from 10th to 12th June 2026.



07) **Dr.N.Suba Rani, Associate Professor/CSE**, Dr. Mahalingam College of Engineering and Technology, has successfully completed a Short Term Course on “**Women Studies**” (Online Mode) under the **Malaviya Mission Teacher Training Programme (MMTTP)** of the University Grants Commission (UGC), organized by the UGC-Malaviya Mission Teacher Training Centre, **Banaras Hindu University**, Varanasi, from 15th to 20th June 2026, and obtained **Grade A**.



08) **Ms.Radhika K Manjusha, Assistant Professor(SS)/CSE** Dr. Mahalingam College of Engineering and Technology, has successfully completed a Short Term Course on “**Indian Knowledge System**” (Online Mode) under the **Malaviya Mission Teacher Training Programme (MMTTP)** of the University Grants Commission (UGC), organized by the UGC-Malaviya Mission Teacher Training Centre, **Banaras Hindu University**, Varanasi, from 25th May to 1st June 2026, and obtained **Grade A**.



09) **Ms.S.Divyapriya, Assistant Professor/CSE**, Dr. Mahalingam College of Engineering and Technology, Pollachi, has successfully completed a **Short Term Course on “Women Studies”** (Online Mode) under the **Malaviya Mission Teacher Training Programme (MMTTP)** of the University Grants Commission (UGC), organized by the UGC-Malaviya Mission Teacher Training Centre, **Banaras Hindu University, Varanasi**, from 15th to 20th June 2026, and obtained **Grade A**.



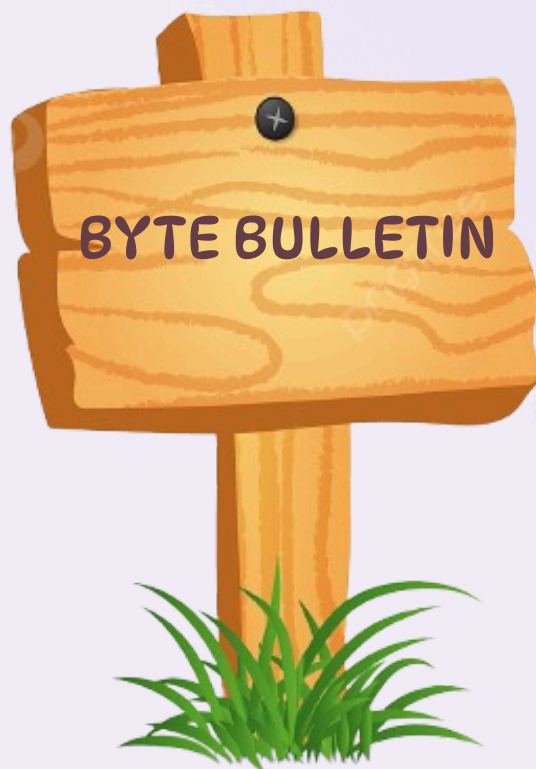
10) **Dr.N.Senthil Madasamy, Associate Professor/CSE** Dr. Mahalingam College of Engineering and Technology, has successfully participated in a **Faculty Development Programme on “Development of Immersive Applications using Unreal Engine (AR/VR/XR)”**, organized by the **Department of Artificial Intelligence and Data Science**, Dr. Mahalingam College of Engineering and Technology, Pollachi, in association with **Monolith Research and Training Labs**, from 15th to 19th June 2026.



11) **Mr.T.Kanagasabapathy, Assistant Professor(SS)/CSE** Dr. Mahalingam College of Engineering and Technology, has successfully participated in a **Faculty Development Programme** on **“Development of Immersive Applications using Unreal Engine (AR/VR/XR)”**, organized by the **Department of Artificial Intelligence and Data Science**, Dr. Mahalingam College of Engineering and Technology, Pollachi, in association with **Monolith Research and Training Labs**, from 15th to 19th June 2026.

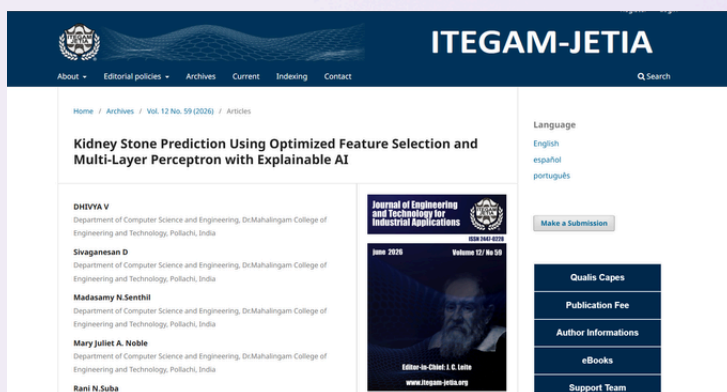


RESEARCH WORKS

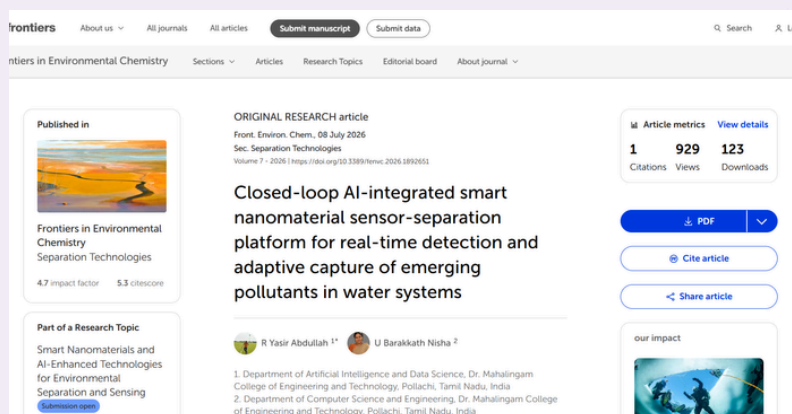


RESEARCH WORKS

01) **Dr.D.Sivaganesan, Dr.A.Noble Mary Juliet, Dr.N.Senthil Madasamy, Dr.N.Suba Rani, and Dr.J.Bhavithra**, has published a paper on “**Kidney Stone Prediction using Machine Learning and Explainable AI**” in the journal ITEGAM - JETIA on June 2026.



02) **Dr.U.Barakkath Nisha, Professor/CSE** have published a study on an **AI-integrated smart nanomaterial sensor platform for real-time detection and removal of emerging pollutants from water**. The paper is published in *Frontiers in Environmental Chemistry*, a Q1 journal.



03) **Dr.N.Senthil Madasamy, Associate Professor/CSE**, Dr. Mahalingam College of Engineering and Technology, developed an **NLP-based framework for detecting fake news**. Published in the International Journal of Engineering and Manufacturing, it is Scopus indexed

The screenshot shows the MECS Press Journal website. The header includes the MECS Press logo and a search bar. The main content area displays the article title, authors, and a list of affiliations. The article is titled "An NLP-Based Framework for Fake News Detection Using Contextual and Engineered Features in Communication Technologies". The authors are S. Gopalakrishnan, J. Babitha Thangamalar, M. Sahaya Sheela, M. Mohammed Mustafa, Bindu Babu, and N. Senthil Madasamy. The article is published in the International Journal of Engineering and Manufacturing (IJEM), Vol. 16, No. 4, 8 Aug. 2026. The PDF is 902KB, and it has 1019 downloads.

04) **Ms.R.Binisha, Assistant Professor/CSE**, Dr. Mahalingam College of Engineering and Technology, Pollachi, developed an **IoT-enabled real-time water quality monitoring system**, Published in the International Journal of Aquatic Research and Environmental Studies, it is Scopus indexed.

The screenshot shows the International Journal of Aquatic Research and Environmental Studies website. The header includes the journal name and navigation links. The main content area displays the article title, authors, and a list of affiliations. The article is titled "IOT- Enabled Real -Time Water Quality Monitoring Using Electrochemical Sensors and LoRa Communication". The authors are Dr. R. Sunder, S. Sivapurnima, Arunkumar Palanichamy, and R. Binisha. The article is published in the International Journal of Aquatic Research and Environmental Studies, Vol. 6 No. S5 (2026): Volume 6, Issue S5, 2026. The PDF is 902KB, and it has 1019 downloads.

05) **Mr.D.Vikram D, Assistant Professor, CSE, Dr. Mahalingam College of Engineering and Technology, Pollachi** ,presented a study on **AI model accuracy and development efficiency**. Presented at ICERCS 2025, the paper is published by IEEE and is Scopus indexed.

Beyond Conventional Programming: Empirical Perspectives on AI Model Accuracy and Development Efficiency

December 2025
DOI:[10.1109/ICERCS65898.2025.11580564](https://doi.org/10.1109/ICERCS65898.2025.11580564)
Conference: 2025 International Conference on Emerging Research in Computational Science (ICERCS)

Authors:

**M. Vignesh**
Karpagam Academy of Higher Education

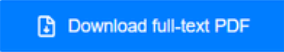
**S. P. Santhoshkumar**
Vel Tech Rangarajan Dr. Sagunthala R&...

**D. Vikram**
Dr. Mahalingam College of Engineering a...

**Gajalakshmi S.**
Vel Tech Rangarajan Dr. Sagunthala R&...

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06) **Mr.D.Vikram, Assistant Professor/CSE, Dr. Mahalingam College of Engineering and Technology, Pollachi**, developed an **LSTM-based anomaly detection system to secure IIoT systems**. Presented at ICERCS 2025, the paper is published by IEEE and is Scopus indexed.

Conference Paper | PDF Available

LSTM-Powered Anomaly Detection for Securing IIoT Systems Against DDoS, Spoofing, and Ransomware Attacks

December 2025
DOI:[10.1109/ICERCS65898.2025.11580832](https://doi.org/10.1109/ICERCS65898.2025.11580832)
Conference: 2025 International Conference on Emerging Research in Computational Science (ICERCS)

Authors:

**A. Mohamed Anwar**
VEL TECH

**D. Vikram**
Dr. Mahalingam College of Engineering a...

**Thiraviaselvi G**

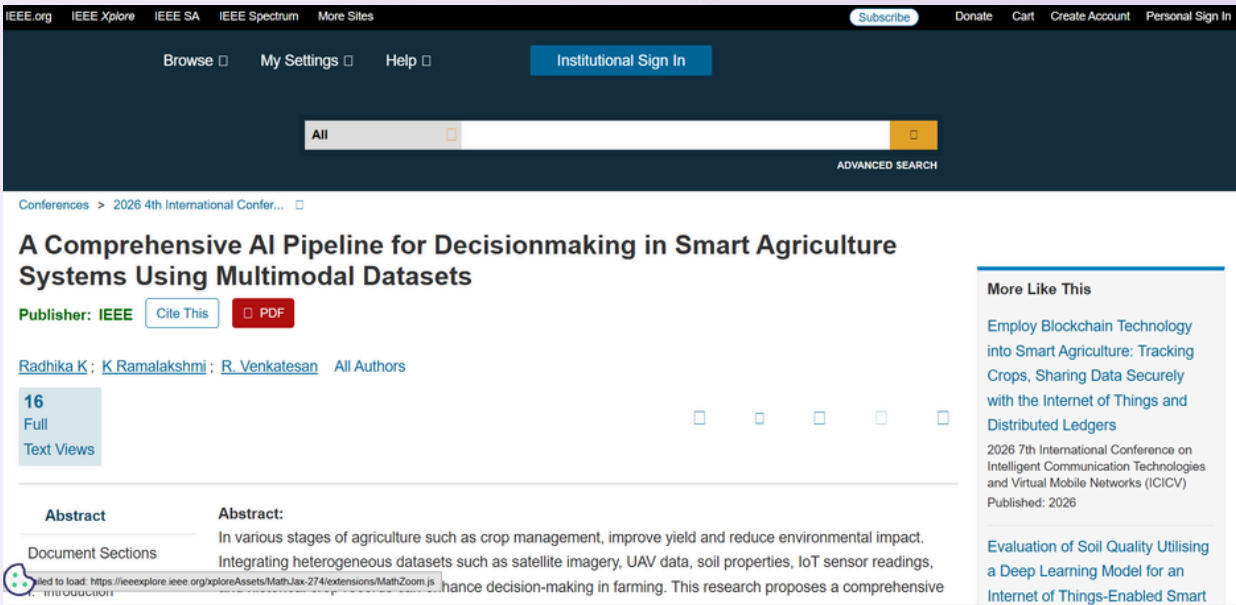
**Subashini Ganapathy**
Xiamen University Malaysia

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07) **Radhika K Manjusha**, Assistant Professor, CSE, Dr. Mahalingam College of Engineering and Technology, Pollachi developed an **AI pipeline for smart agriculture decision-making**. Presented at ICSSAS-26, the paper is published by IEEE and is Scopus indexed.



08) **Mr.D.Vikram**, Assistant Professor/CSE, Dr. Mahalingam College of Engineering and Technology, Pollachi , developed an **AI-based intrusion detection system for intelligent network security**. Presented at ETAACT 2026, the paper is published by IEEE and is Scopus indexed.



09) **Ms.A.Jayalakshmi**, Assistant Professor/CSE **Dr. Mahalingam College of Engineering and Technology, Pollachi**, developed an offline Augmented Reality therapy system for children with autism. The paper is published in IEEE Xplore and is Scopus indexed.

All

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Caregiver-Guided Offline Augmented Reality Therapy System for Children with Autism Spectrum Disorder

Publisher: IEEE Cite This PDF

A. Jayalakshmi; S. Lakshita; T. Aruleeswaran; M. JothiLakshmi All Authors

12 Full Text Views

Abstract

Document Sections

I. Introduction

II. PROBLEM STATEMENT

III. LITERATURE

Abstract:

Organised, systematic interventions are often useful to children with Autism Spectrum Disorder (ASD) to support social communication and adaptive behaviour development. Nonetheless, financial, geographical, and logistical factors often restrict the availability of such therapy by hindering the monitoring of caregivers. AR interventions have become a promising type of autism treatment, but systematic reviews indicate the necessity of rigid evaluation systems and objective measurement systems. This paper presents CareNest AR, an offline-first, mobile-based caregiver guided care therapy, combining immersive AR experience, rule-based adaptive intelligence and structured behavioural analytics. The system presents three modules of therapy which include:

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Feedback

10) **Mr.K.Prabhu K**, Assistant Professor (SS)/CSE, **Tamilselvan S**, **Aditya S**, and **Mohan K** developed an automated brain tumor prediction system using advanced deep learning techniques. Presented at ICCNCT 2026, the paper is published by IEEE and is Scopus indexed.

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An Automated Brain Tumor Prediction using Advanced Deep Learning Techniques

P.K. Tamilselvan K. • 1 author M.K. • Published in International conference... 11 May 2026 • Medicine, Computer Science

TLDR Using ideas and network topologies from Graph Neural Networks, the Vision Transformer and U-Net, the system offers a cross-dataset hybrid deep learning architecture for multi-class brain tumor classification that supports clinically sound decision-making through an increase in robustness, interpretability and cross-dataset generalizability. Expand

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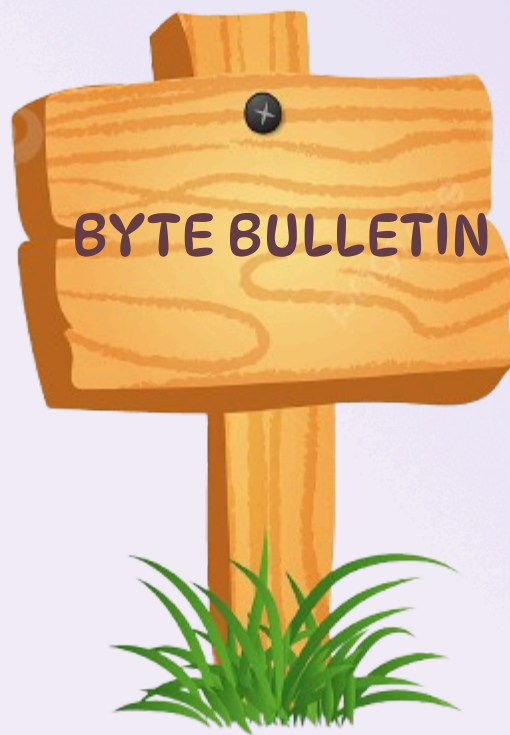
Figures from this paper



11) **Dr.N.Suba Rani, Associate Professor/CSE**, developed a **Multi-Objective Optimized Fog-Coordinated Federated Edge AI Framework for IoT Analytics**. The research focuses on improving communication latency, energy consumption, privacy, and scalability in IoT environments through the integration of Federated Learning, Fog Computing, Edge AI, and deep reinforcement learning. The paper was received on 12 February 2026 and accepted on 8 May 2026, and was published by Springer Nature in 2026.



ALUMINI



1) Alumni Meet 2026

The Department of Computer Science and Engineering, Dr. Mahalingam College of Engineering and Technology, in association with the MCET Alumni Association and DigiFlash, organized Alumni Meet 2026 for the 2021–2025 Batch. The event provided a valuable platform for alumni to reconnect with their alma mater, faculty members, and fellow graduates. The gathering strengthened the bond between MCET and its alumni community while creating an opportunity to share experiences and memories.

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**MCET Alumni Association**
&
Department of Computer Science and Engineering



Organizes

Alumni Meet 2026
2021-2025 Batch

Date : 13.06.2026
Time: 2.30 to 4.30 pm
Venue: C103 New Seminar Hall

Convenor:
Dr.D.Sivaganesan
Professor & Head

Alumni Coordinators:
Dr. N. Suba Rani ASP/CSE
Ms.C.Devipriya AP(SS)/CSE

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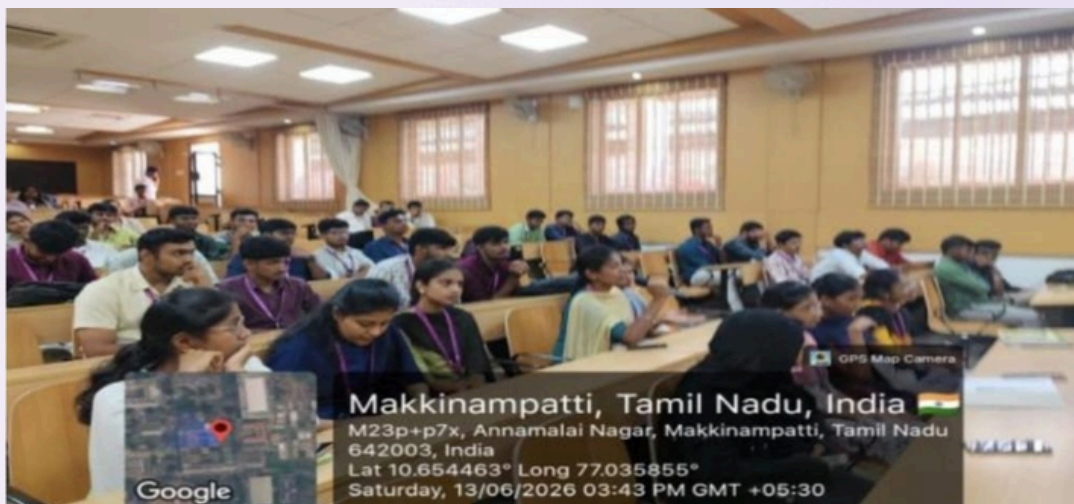
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+91 99429 44429
alumni@drmcet.ac.in





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Dr. Mahalingam College of Engineering and Technology,
Pollachi - 642003.**

Website: www.drmcet.ac.in/computer-science-engineering/

Email: prabhu@drmcet.ac.in

