



# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

*Department Bulletin*

## VISION

To be a Centre of Excellence in Computer Science and Engineering providing quality education and research for the betterment of the society.

## MISSION

To impart sound knowledge in theoretical and applied foundations of Computer Science and Engineering, and to train the students to solve real life issues to effectively define and shape life.

## APPOINTED AS AHoD

- **Dr. Jesna Mohan**, Associate Professor, Department of CSE, has been appointed as the Assistant Head of the Department (AHoD), with effect from 15th November 2025.



## PAPER PUBLICATION

- **Ms. Jisha Jose**, Assistant Professor, Department of Computer Science and Engineering along with her team – **Mr. Adinath Ajith Naik, Mr. Adarsh Joseph Kalief, Mrs. S. A. Gouri Priya, and Mr. Raef Abdul Nazir** (2019–2023 Batch CSE) – published a research paper titled “Smart Vehicle Parking Management system Using Machine Learning and IoT” in the AIP Conference Proceedings, Volume 3377, Issue 1, on October 7th, 2025.
- **Ms. Jisha Jose** (Assistant Professor, Dept. of Computer Science and Engineering), **Mr. Niyas K. Haneefa** (Assistant Professor, Dept. of Electronics and Communication Engineering), **Ms. Maushmi Rajesh, Mr. Advait Krishna Karanavar, Mr. Salah Ahammed, and Mr. Abid Noushad Humam** (2025 Passout Batch) published a paper titled “Modulator: An Integrated IoT and Chatbot Solution for Stress Management” in the IEEE Xplore Proceedings on October 10th, 2025.

## BOOK CHAPTERS PUBLISHED

Faculty members from the Department of Computer Science and Engineering have contributed three book chapters to the recently published volume AI Driven Pedagogy: Concepts, Techniques, and Applications (ISBN: 978-93-48314-65-9).

- **Ms. Poorna B. R.**, Assistant Professor, and **Dr. Jisha John**, Professor and Head, co-authored the chapter titled “Intelligent Histopathology: AI Approaches for Robust Cell Segmentation and Clinical Insights.”
- **Ms. Dhanya L. K.**, Assistant Professor, authored the chapter “Natural Language Processing in Education: Applications, Challenges, and Future Directions.”
- **Ms. Prathibha S. Nair** and **Ms. Anjali S.**, Assistant Professors, jointly authored the chapter “AI as a Teaching Partner: Enhancing Pedagogy for Faculties.”

## COLLABORATION WITH CARESTACK

The Department of Computer Science and Engineering recently collaborated with CareStack, a leading healthcare technology company, to conduct a one-day industry-focused workshop on 27th September 2025 at their Technopark campus. Selected students took part in a series of sessions led by industry professionals, which included interactive components such as mock interviews and group activities. The workshop aimed to familiarise students with corporate expectations and workflows, while providing an opportunity to engage directly with experts from the field. This initiative highlights the department's continued efforts to strengthen industry-academia collaboration and offer students meaningful professional exposure.





## WORKSHOP ON 'JAVA DEVELOPMENT- AN INDUSTRY APPROACH'

The Department of Computer Science, in association with IEEE CS and CSI, organized an OBE workshop on 'JAVA DEVELOPMENT- AN INDUSTRY APPROACH' on 15th and 16th October 2025.

On 15 October, sessions were held for S3 CS1 students at Software Lab 1, handled by **Mr. Shibin Shibu**, Associate Software Engineer, Experion Technologies, and for S3 CT students at the AI Lab, led by **Mr. Sam Peter**, Associate Software Engineer, Litmus7. Mr. Sam guided students through practical

exercises on integrating Java applications with a database using JDBC.

The workshop for S3 CS2 students was conducted on 16th October 2025 at Software Lab 1. **Ms. Roopa Panicker**, Scientist E, CDAC Trivandrum, led the session and shared valuable insights into industrial software development practices.

During the hands-on sessions, students developed Java applications connected to databases using Java Database Connectivity (JDBC). The activity familiarized them with key concepts, including database connectivity, SQL integration in Java, and data manipulation, thereby enhancing their skills for industry environments.





The workshop received positive feedback from participants, who appreciated the interactive learning experience and real-time coding practice. The event was coordinated by Assistant Professors **Ms. Lino Zachariah**, **Ms. Krishna L**, and **Ms. Neethi Narayanan**, Department of Computer Science and Engineering.

## FACULTY INTERACTION WITH OUTSIDE WORLD

**Ms. Deepthi K. Moorthy**, Assistant Professor, Department of Computer Science served as the judge for the Robotic Expo hosted by St. Thomas Residential School on 30th October, 2025.

## INFOSYS SPRINGBOARD CERTIFICATION

**Ms. Prathibha S Nair** (Asst. Professor, Department of CSE) has completed course “Deep learning Tutorials” offered by Infosys Springboard.

## FDP ATTENDED

- The UHV-II FDP, organized by All India Council for Technical Education (AICTE), was held at Mar Baselios College of Engineering and Technology, Thiruvananthapuram. The five-day face-to-face programme was conducted from 21st July 2025 to 25th July 2025. **Dr. Anne Dickson**, Associate Professor, Department of Computer Science, participated in and completed the programme.
- **Ms. Diana Mathew**, Assistant Professor, Department of Computer Science, attended a 5 day Online FDP on Next-Gen AI with Reinforcement Learning. The programme was organized by the Department of EEE, TKM College of Engineering, from 6th October 2025 to 10th October 2025.
- **Ms. Rini Vijayan**, Assistant Professor, Dept. of CSE, has completed the one-week online Faculty Development Program on “Quantum Data Science: Introduction, Technologies and Applications (QDSA-2025)” held from 10th November to 15th November 2025.



## ACSlA MEET-UP



The Valedictory Ceremony of ACSIA Hackathon 2025 took place on Saturday, 1st November 2025, at 3:30 PM, at ACSIA Global HQ and R&D Centre, Technopark Phase III, Thiruvananthapuram. **Dr Merlin George** from the Department of Computer Science represented MBCET at the event.

The ceremony was graced by **Dr. Achuthsankar S. Nair**, renowned author and former Head of the Department of Bioinformatics, University of Kerala as the Chief Guest, who delivered an inspiring keynote address. The ceremony concluded with the presentation of awards to the winning teams.

Students from MBCET participated enthusiastically in the completion, demonstrating strong technical skills and creativity. The institute continues to maintain a strong collaborative tie-up with ACSIA.

## WORKSHOP AND HANDS-ON SESSION ON RISC-V VEGA PROCESSOR

The Department of Computer Science and Engineering organised a one-day workshop and hands-on session on the RISC-V Vega Processor for the S5 CSE students, conducted by CDAC Trivandrum on 29th September and 7th October 2025. The session offered valuable insights into the RISC-V architecture and its role in modern computing. Experts from CDAC led practical demonstrations, allowing students to gain direct hands-on experience with the Vega Processor.

The workshop was coordinated by **Ms. Jisha Jose** and **Mr. Shon J. Das**.



## ATTENDED CONFERENCE

**Dr. Tessy Mathew** (Professor, Dept. of CSE) and **Dr. Jesna Mohan** (Associate Professor & AHoD, Dept. of CSE) attended the conference on “Safe and Trusted AI for Fintech, Healthcare and Citizen Safety”, Pre-Summit Event of AI Impact Summit 2026 organized by STPI and ISACA Trivandrum Chapter. The event was held on 20th November 2025 at Hycinth, Thiruvananthapuram.



## DISTINGUISHED LECTURER PROGRAM

IEEE Computer Society (CS) SB MBCET conducted a hands-on workshop on “Cyber Forensics” on 8th October 2025 from 2:30 pm to 4:30 pm. The session was led by **Mr. Nabeel Koya A.**, Scientist F, Cyber Forensics, CDAC Thiruvananthapuram, who delivered an informative session on hashing and file signatures. A total of 38 third-semester students participated.

Student Co-ordinator: **Blessy. S. Catherine**

Faculty Co-ordinators: **Ms. Lino Zachariah**, Assistant Professor (CSE),  
**Dr. Lani Rachel Mathew**, Assistant Professor (ECE)



## WILDLIFE PLEDGE CEREMONY

ACE, Association of the Dept. of CSE coordinated a Wildlife Pledge Ceremony on 6th October 2025, as part of the state-wide observance of Wildlife Week. The event aimed to ensure and enforce active participation and to foster deep awareness among students regarding the urgent need to protect forests and wildlife for a sustainable future.

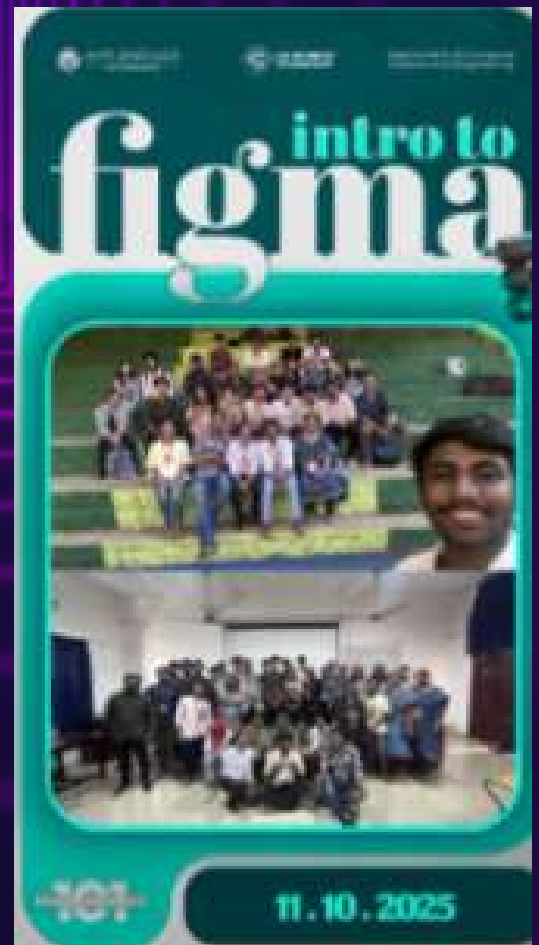


## INTRO TO FIGMA WORKSHOP

CSI SB MBCET recently conducted a one-day “Intro to Figma” Workshop on 11th October 2025, as part of the Engineering 101 initiative, aimed at familiarizing students with essential technical and design tools. The session was a resounding success, with over 25 enthusiastic participants.

The workshop was led by expert industry professionals– Shahin Sadath (UX Designer, QBurst) and Faizan Ahamed (UI Designer, QBurst)– along with young designers– **Chris Thomas Abraham (S5 CS2)**, **Goutham B Cheramann (S5 CS2)**, **Niranj R (S5 CS2)**. They guided the student through Figma’s interface, engaging them with hands-on tasks and challenges that made the learning experience interactive and engaging.

Faculty co-ordinators: **Ms. Deepthi K Moorthy** and **Ms Lino Zachariah**, Assistant Professors, CSE.



## WORKSHOP ON “CREATING REPORTS IN LATEX USING OVERLEAF”

The Department of Computer Science, in association with ACE and CSI SB MBCET, organised a hands-on workshop on creating reports in LaTeX using Overleaf on 10th October 2025 for the students of S7 CS2. The session was led by **Ms. Jayalekshmi J.**, Assistant Professor, Department of Computer Science.



CHIEF EDITOR: **DR. JISHA JOHN**

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