



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.

BEEP MASTER TRAINER'S PROGRAM

Dr. Neethu Roy, Professor & Dean (Research & Consultancy); **Dr. Manju Dominic, Professor**, Civil Engineering Department; **Dr. Tessy Mathew**, Professor; **Ms. Asha S**, Associate Professor, Computer Science and Engineering Department; **Ms. Teena Rajan**, Assistant Professor, Computer Science and Engineering Department; **Ms. Sheenu P**, Assistant Professor, Electrical Engineering Department; **Dr. Nidhi M. B.**, Professor, Mechanical Engineering Department; and **Dr. Suvith V. S.**, Assistant Professor, Science and Humanities Department, attended a one-day Master Trainers' Program for the Behavioural and Emotional Enrichment Program (BEEP) organized by Mar Ivanios Vidyannagar in collaboration with MBCET on 23 August 2025.

FDP ATTENDED

- **Dr. Priya Mariam Raju, Dr. Neena Raj N. R., Dr. Merlin George, and Ms. Krishna L**, Assistant Professors, Department of Computer Science and Engineering, participated in a 40-hour Online Faculty Development Program on “Current Advancements in Artificial Intelligence, Machine Learning, and Data Science”, sponsored by the Ministry of Electronics and Information Technology (MeitY), Government of India, and organized by E & ICT Academy, NIT Warangal, in association with the Department of Mathematics, Jaypee Institute of Information Technology (JIIT), Noida, Uttar Pradesh, India, from 16th to 25th June 2025.
- **Ms. Anjali Devi A. J.**, Assistant Professor, Department of Computer Science and Engineering, attended the online Faculty Development Programme on “Bio-Inspired Computing and Intelligent Optimisation: Bridging Nature and AI”, organized by Sri Sairam Institute of Technology, held from 21st to 26th July 2025.

FACULTY AS RESOURCE PERSON

Ms. Indu V, Assistant Professor, Department of CSE, delivered a session on Universal Human Values (UHV) for the first-year students of the University College of Engineering, Kariavattom (UCEK) on 20th August 2025.



MEDICINAL HERB PLANTATION AND DISTRIBUTION

The ISTE MBCET Faculty Chapter and Environment Cell, in collaboration with the Rotary Club, organized a Medicinal Herb Plantation and Distribution Drive for MBCET staff on 28th July 2025, as part of World Nature Conservation Day. The initiative aimed to raise awareness about the benefits of medicinal plants and encourage sustainable, eco-conscious practices within the campus community.

The event commenced at 10:00 AM at the Medicinal Garden near the Chapel, emphasizing the importance of cultivating medicinal herbs to promote health and environmental responsibility. Around 100 medicinal herb saplings were distributed to staff, and several were planted in the garden. The support of the Rotary Club was instrumental in facilitating the event and sharing valuable insights into the care and use of medicinal herbs.

Faculty Coordinators: **Dr. Nidhi M. B., Ms. Poorna B. R., Ms. Jayalekshmi J.**



EXPERT TALK ON “ENGINEERING THE FUTURE – ADVANCED MATERIALS EMBEDDED SYSTEMS FOR SUSTAINABLE ENERGY & ASSISTIVE TECHNOLOGIES”

An expert talk titled “Engineering the Future – Advanced Materials & Embedded Systems for Sustainable Energy & Assistive Technologies” was organized by ISTE MBCET and IRC MBCET on 4th August 2025 at 10:35 AM in Senatus Hall. The session was delivered by **Dr. P. M. Ushasree** from Teesside University, Darlington, United Kingdom. The talk provided participants with insights into recent developments in advanced materials and embedded systems, highlighting their applications in sustainable energy solutions and assistive technologies, while inspiring innovative thinking aligned with global sustainability and societal impact goals. The event saw enthusiastic participation from students, faculty members, and research scholars.

Coordinators: **Dr. Nidhi M. B.**, **Dr. Aravind P.** (Associate Professors, MED), and **Ms. Poorna B. R.** (Assistant Professor, CSED)



RADIANCE 2.0: LIGHTS, CAMERA, 2.0!

Radiance 2.0, the grand fresher's event of CSI SB MBCET, was held on 13th September 2025, welcoming 55+ first-year students. The event featured a vibrant mix of technical and non-technical activities, including games, problem-solving challenges, and inspiring alumni talk sessions. It provided an excellent platform for freshers to bond, overcome stage fear, and become active members of the CSI community. The event received overwhelming responses and suggestions for more, making Radiance 2.0 a resounding success.

Faculty Coordinators: **Ms. Deepthi K. Moorthy** and **Ms. Krishna L.**
(Assistant Professors, CSED)



STAKE HOLDERS MEET

The Parent-Teacher Association (PTA) meeting for S3 CS1, CS2, and CT was held on 27th September 2025 at 9:30 AM in Pascal Hall. Parents had the opportunity to interact with the Head of Department, Class Advisors, and Subject Faculty. The meeting focused on students' academic performance, classroom discipline, and overall progress. Parents' queries regarding academics and extracurricular activities were addressed, and strategies to enhance students' academic performance were discussed.



PAPER PRESENTATION

- **Ms. Maushmi Rajesh, Mr. Abid Noushad Humam, Mr. Advait Krishna Karanavar, and Mr. Salah Ahammed** (2021–2025 Batch, CSE), along with **Ms. Jisha Jose** and **Mr. Niyas Haneefa**, presented a paper titled “An Integrated IoT and Chatbot Solution for Stress Management” at NetACT25: International Conference on Networks and Advances in Computational Technologies, organized by the Department of Computer Science and Engineering, MBCET.
- **Ms. Poorna B. R.** (Assistant Professor, CSED) presented a research paper titled “Healthcare Recommender System Using Machine Learning”, co-authored by **Dr. Jesna Mohan** (Associate Professor, CSED) and **Mr. Jephin John Kutty**, at the Third International Conference on Networks and Advances in Computational Technologies (NetACT25) held from 7th to 9th August 2025, organized by the Department of Computer Science and Engineering, MBCET.
- **Ms. Poorna B. R.** (Assistant Professor, CSED) and **Dr. Jisha John** (Professor, CSED) presented a research paper titled “Advanced Deep Learning Techniques for Biomedical Cell Segmentation” at the International Conference on Advances in Information Technology (ICAIT 2025), held on 1st August 2025, organized by SVKM’s Institute of Technology, Maharashtra.
- The paper titled “A Comparative Study on Machine Learning Models for Currency and Object Detection” has been accepted for presentation and publication at the IEEE International Conference on Smart and Intelligent Systems (SISCON 2025). The paper is authored by **Mr. Abhijith S, Mr. Abhilash S, Mr. Anaz Mohammed, and Mr. Rizwan** (S7 CS2), under the guidance of **Ms. Sreeja S. R.**, Assistant Professor, Department of Computer Science and Engineering..

ALUMNI ACHIEVEMENTS

Ms. Meghna R. Nair (2020–2024 Batch) has secured admission to the Master's program in Computer Science at the University of Southern California, Los Angeles.



ATTENDED WORKSHOP

Dr. Anne Dickson, Associate Professor, Department of Computer Science and Engineering, participated in a one-day workshop on “Business Security through Intellectual Property Rights”, jointly organized by the Intellectual Property Rights Information Centre – Kerala, Patent Information Centre – Kerala, KSCSTE, and Kerala Startup Mission, held on 19th August 2025 at the Seminar Hall, KSCSTE, Pattom, Trivandrum.



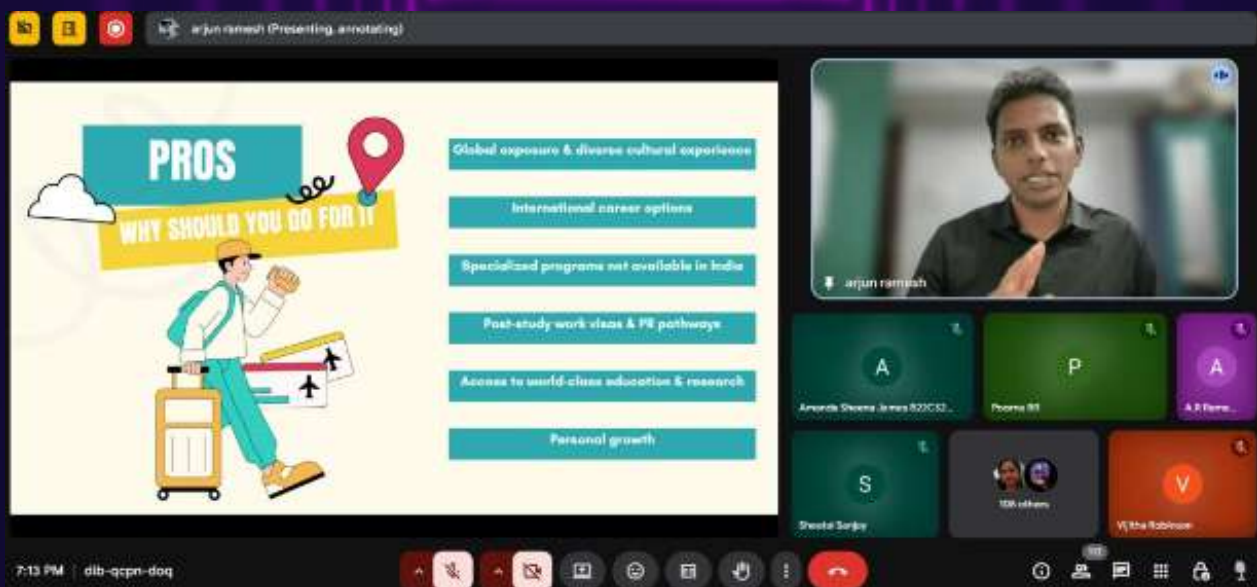
TALK SESSION ON “EDUCATIONAL OPPORTUNITIES IN EUROPE & ASIA POST ENGINEERING”

The ISTE MBCET Chapter organized an insightful online session titled “Educational Opportunities in Europe & Asia Post Engineering” on 30th July 2025 at 7:00 PM. The session aimed to guide engineering students in exploring higher education options abroad, focusing on Europe and Asia.

The invited speaker, **Mr. Arjun Ramesh**, Management Consultant at 180 Degrees Consulting, Paris, shared his expertise and experiences, offering valuable insights into top study destinations, popular programs, post-study career pathways, scholarships, tuition fees, and student life abroad. Participants also received practical advice on application preparation and university selection.

The event witnessed over 130 attendees who actively engaged during the interactive Q&A session. The session was highly informative and inspired students to consider international education opportunities confidently.

Faculty Coordinators: **Dr. Nidhi M. B.** (Professor, MED), **Ms. Poorna B. R.** (Assistant Professor, CSED), **Ms. Vijitha Robinson** (Assistant Professor, CSED)



CONDUCTED INTERNAL HACKATHON FOR SMART INDIA HACKATHON (SIH) 2025 – PRELIMS SELECTION

The Department of Computer Science and Engineering, in association with CSI-MBCET, ACE, and Openlabs, organized an Internal Hackathon for team selection towards the Preliminary Round of Smart India Hackathon (SIH) 2025, under the aegis of the Innovation Cell, Ministry of Education, Government of India. The event was held at Mar Baselios College of Engineering and Technology, Thiruvananthapuram, on 12th and 13th September 2025.

A total of 34 teams comprising 204 students participated, working on diverse real-world problem statements with enthusiasm and creativity. The judging panel included eminent industry professionals and distinguished alumni:

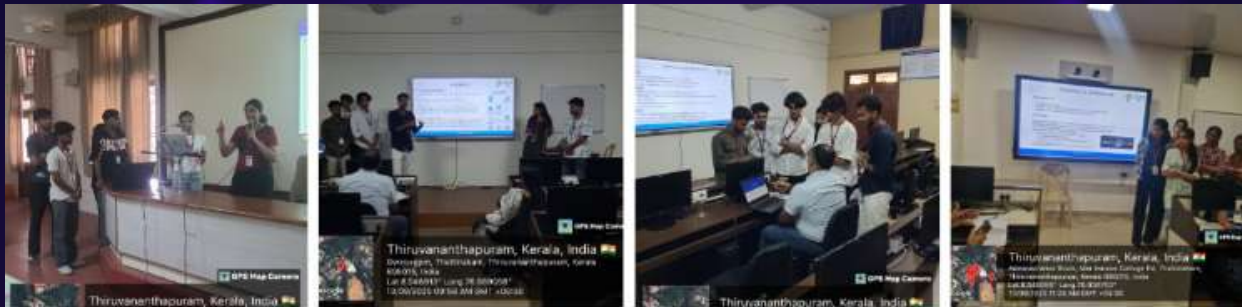
- **Mr. Arun Chand**, GM & Head – Product Management and Strategy, iFlight, IBS Software
- **Mr. Sarath Chandran R**, Assistant Director, EY Global Delivery Services
- **Ms. Neeraja Anoop Sekhar**, Vulnerability Analyst, CyberProof, UST
- **Mr. Sanju Mathew**, Co-Founder, Codeofduty



several alumni and previous hackathon winners also attended as mentors, guiding and motivating participants. The event received highly positive feedback and provided an excellent platform for students to showcase their innovation, teamwork, technical expertise, and problem-solving skills.

Faculty Coordinators: **Ms. Prathibha S. Nair**, **Ms. Jayalekshmi J.** (Assistant Professors, CSED)

Student Coordinators: **Mr. Kiran Biju (S7 CS1)**, **Ms. Nandini Krishna R. S. (S7 CS2)**, **Ms. Amanda Sheena James (S7 CT)**



DECODE 2025: DEBUG & CONQUER

CSI SB MBCET, in collaboration with the Department of Computer Science and Engineering, successfully hosted DeCode 2025: Debug & Conquer on 9th August 2025. The online event challenged participants to identify and fix buggy code snippets, with over 30 students taking part. The top three champions were awarded cash prizes for their exceptional debugging skills.



TALK ON “THE POWER AND PURPOSE OF INTELLECTUAL PROPERTY RIGHTS”

The Department of Computer Science & Engineering, in association with ACE and ISTE MBCET, organized a talk session on “The Power and Purpose of Intellectual Property Rights” on 12th September 2025 at Visvesvaraya Hall, MBCET for S3 CSE and CT students, as part of the Professional Ethics course.

The session was conducted by **Mr. Anoop K. Balan**, Skill Development Executive, ASAP Kerala, and witnessed the active participation of 180 students.

Faculty Coordinators: **Ms. Anjali S., Ms. Poorna B. R., Ms. Vijitha Robinson** (Assistant Professors, Dept. of CSE)

Student Coordinators: **Ms. Gopika Harikumar (S3 CS1), Ms. Sariga Joseph Fredy (S3 CS2), Mr. Samuel Mathew Cyriac (S3 CT)**



CHIEF EDITOR: **DR. JISHA JOHN**

FACULTY EDITORS: **MS. PRATHIBHA S NAIR | MS. VIJITHA ROBINSON**

STUDENT EDITORS: **MR. JOHAN S VARUGHESE | MR. G A ASHWIN KUMAR**