MAR BASELIOS
COLLEGE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS

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

INFOSYS CERTIFICATION

- Ms. Anjali S. (Assistant Professor, Department of Computer Science and Engineering) has completed the course "Introduction to Deep Learning" offered by Infosys Springboard.

- Ms. Poorna B. R. (Assistant Professor, Department of Computer Science and Engineering) has completed the courses "Introduction to Deep Learning" and "Software Engineering" offered by Infosys Springboard.
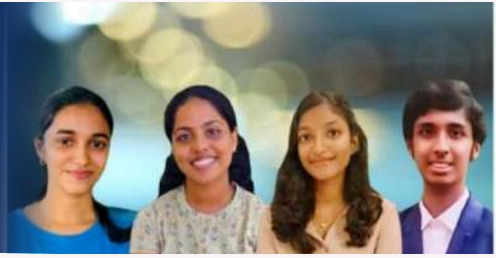
CAREER ORIENTATION SESSION

In collaboration with CSI SB, the Department of Computer Science and Engineering organized a Career Orientation session for first-year B.Tech CSE students. Dr. Jayaram V, Head and Advisor at CGP Career Avenues and Director of Edzumo Pvt Ltd, served as the resource person for the event. The session was coordinated by faculty members Dr. Anne Dickson and Ms. Deepthi K. Moorthy.

WINNERS OF THE ASAP IDEA FEST

Ms. Diya Mathews, Ms. Sara Robin Baby, Ms. Nayana Anna Binu, and Mr. EV Jishnu from S4 CS2 secured the second prize in the November edition of the monthly ideathon series.

FDP ATTENDED

Mrs. Bibi Annie Oommen, Assistant Professor in the Department of Computer Science and Engineering, successfully participated in and completed the AICTE Training and Learning (ATAL) Academy Faculty Development Program titled "AI and Robotics for Enabling Biomedical Innovations." The program took place at the Rajadhani Institute of Engineering and Technology from January 6, 2025, to January 11, 2025.

GAME DEVELOPMENT SESSION

The Department of Computer Science and Engineering, in association with CSI SB, organized a Game Development Session titled "Intro to Unreal Engine" on January 18, 2025, at Pascal Hall, CSE Department. This workshop aimed to provide participants with the foundational knowledge of game development and introduce them to Unreal Engine. Attendees gained a basic understanding of game development, its scope, and possibilities. By the end of the session, participants learned essential game development concepts and gained insight into the effort involved in creating a game. Forty-three students attended this event, led by Mr. Sabal Krishna S, an experienced professional in game development. He has previously served as a Partner Engagement Intern at Gtech µLearn, a Community Intern at Banzan Studios, and held leadership roles at GTech µLearn. The faculty coordinators for this session were Ms. Deepthi K. Moorthy and Ms. Krishna L.

SIX-DAY FACULTY DEVELOPMENT PROGRAMME ON ROBOTICS AND INTELLIGENT SYSTEMS

The Department of Computer Science and Engineering organized a six-day Faculty Development Programme (FDP) on "Robotics and Intelligent Systems" from December 9th to December 14th, 2024. The program consisted of both theoretical and hands-on sessions, guided by distinguished experts from academia and industry. A total of 44 participants attended, including faculty members from MBCET and other institutions. The coordinators for the program were Ms. Jisha Jose, Assistant Professor, and Ms. Vichitra V. R., Lab Instructor Grade II, both from the Department of Computer Science and Engineering.

SPECIAL APPRECIATION AWARD

Mar Baselios College of Engineering and Technology received a Special Appreciation Award for the contributions of the ISTE Faculty Chapter during the 2023-24 academic year in the Engineering College stream. The award was presented at the 35th Annual State Convention of the ISTE Kerala Section, held on January 18, 2025, at Marian Engineering College in Thiruvananthapuram. Attending the convention were Dr. Nidhi M.B. (Professor, MED), Ms. Asha S. (Associate Professor, CSED), Mr. Melvin Jacob (Assistant Professor, MED), Dr. Soumya A.V. (Assistant Professor, EEE), Ms. Poorna B.R. (Assistant Professor, CSED), and Ms. Jean Molly Simon (Assistant Professor, CED).

PAPER PRESENTATION

Ms. Anjali S., Assistant Professor in the Department of Computer Science and Engineering, presented a paper titled "Speech Therapy Assistance through Gamification" at the International Conference on Computing and Intelligent Reality Technologies (ICCIRT 2024). The conference was organized by the Division of Computer Science and Engineering & Artificial Intelligence and Machine Learning and took place on December 5th and 6th, 2024, at the Karunya Institute of Technology and Sciences in Coimbatore.

BEST PAPER AWARD

Ms. Poorna B.R. (Assistant Professor, CSED) received the Best Paper Award for her paper titled "Machine Learning Techniques for Healthcare Recommendation Systems" at the National Seminar on Transformative Innovations Shaping the AI-Driven Epoch, part of the 35th Annual State Convention of ISTE Kerala Section held on January 18, 2025, at Marian Engineering College, Thiruvananthapuram.

DESIGN PATENT REGISTERED

Ms. Deepthi K. Moorthy (Assistant Professor, Department of Computer Science and Engineering), Mr. Shibin Shibu, Mr. Gopal S., Mr. Ashwin A., and Mr. Adithya Anil from the 2024 Computer Science and Engineering graduating batch have successfully secured a design patent registration for their invention titled "Smart Energy Forecasting and Management Device" in October 2024

Ms. Sreeja S. R., Assistant Professor in the Department of CSE, secured a Design Patent for her work on the "Surround Perception and Audio Assistant Device" (Design No. 431786-001) on November 25, 2024. This is her second patent.

BOOK PUBLISHED

Ms. Vijitha Robinson, Assistant Professor in the Department of CSE, co-authored a book titled "C Programming: Mastering the Basics," published in January 2025. ISBN: 978-93-341-8237-8.

CYBER SMART 2025

A session on Cyber Security and Ethical Hacking, titled "Cyber Smart 2025," was conducted in association with the Department of Computer Science & Engineering and Techbyheart on January 28, 2025. The session was inaugurated by Shri Ankit Asokan IPS, Superintendent of Police, Cyber Operations. Dr. S. Viswanatha Rao, Principal of Mar Baselios College of Engineering and Technology, delivered the presidential address. The welcome address was given by Dr. Jisha John, Head of the Computer Science and Engineering Department. A briefing about "Cyber Smart 2025" was presented by Mr. Sreenath Gopinath, Director and Chairman of Techbyheart. The technical session was conducted by Mr. Dhanoop R, a Cyber Security Analyst at Techbyheart. The event concluded with a vote of thanks delivered by Mr. Ramjith R. P., Assistant Professor in the Department of Computer Science and Engineering. Mr. Ramjith R. P. also served as the coordinator for the event.

LEEP 2025

Mar Baselios College of Engineering and Technology, in association with Mission Better Tomorrow and EY Global, conducted the Leadership & Entrepreneurship Enrichment Program (LEEP) for 100 students across all branches. The session was inaugurated by Shri P. Vijayan IPS, ADGP of Intelligence. Dr. S. Viswanatha Rao, Principal of Mar Baselios College of Engineering and Technology, delivered the welcome address. Rev. Fr. John Varghese, Director of Mar Baselios College of Engineering and Technology, gave the presidential address. Mr. Lince Lawrence, Global Leader of EY, addressed the gathering, alongside 18 members from EY Global and Mission Better Tomorrow, who served as resource persons. Mr. Tony M. Tom, Operations Manager of Mission Better Tomorrow, engaged in an interactive talk with the students. This was a three-day program, with the remaining sessions scheduled for the second week of February 2025. Mr. Ramjith R. P., Assistant Professor in the Department of Computer Science and Engineering, served as the coordinator for the program.

RESUME BUILDING SESSION

The Department of Computer Science and Engineering, in association with CSI SB MBCET, organized a resume-building session for students on December 19, 2024. The resource person for the event was Ms. Varsha Renjith, a Data Engineer at Nissan Digital India. The faculty coordinator for the session was Ms. Deepthi K. Moorthy.

WINNERS OF HackArtiThon HACKATHON

Mr. Abhinav Dev, Mr. Karthik Raj, Mr. Adarsh Udayakumar, and Mr. Stevin Santosh Baby from S6 CS1 (Team: Bit by Bit) achieved the first runner-up position and received a cash award of ₹15000 for the Best Innovative Startup. Additionally, Mr. Krishna Prasad from S6 CS2 and Ms. Aleena Shaji from S4 EC2 (Team: Deepam) won the Best Socially Committed Startup award, along with a cash prize of ₹10,000, at the 24-hour HackArtiThon Hackathon hosted by Al-Ameen College.

µLEARN MBCET: December 2024 Highlights

Congratulations to the top twelve Karma Hunters of 2024! These exceptional individuals have shown remarkable dedication and innovation. Leading the way is Aparna G. Raj from S6 CT, who set a new record by accumulating an incredible 21,270 Karma Points. In addition to this accomplishment, MBCET proudly secured the top position on the Global Monthly Campus Leaderboard, achieving an impressive total of over 159,040 Karma Points in December. This milestone reflects the collective efforts and enthusiasm of our vibrant campus community.

ATTENDED INTERNATIONAL SEMINAR

Dr. Tessy Mathew, Dr. Jesna Mohan, Mr. Ramjith R.P., and Dr. Dishore S.V. attended a two-day international seminar titled "Bharatiyasastra and Samskrtam: Bridging Traditional Wisdom & Modern Innovation for Vikasit Bharat," held at the Rajiv Gandhi Centre for Biotechnology in Poojappura. The seminar featured over ten Vice Chancellors from various universities in India, the Director of NIT Calicut, the NAAC Chairman, the UGC Secretary, and other esteemed resource persons. Mr. Ramjith R.P. served as the coordinator for this seminar.

VOICE OF THIRUVANANTHAPURAM

On January 24, 2025, a talk session titled "Voice of Thiruvananthapuram" was held at Sree Mulam Club in Trivandrum. The session was attended by deans, heads of departments, and members of the Internal Quality Assurance Cell (IQAC), as well as representatives from the National Assessment and Accreditation Council (NAAC) and the National Board of Accreditation (NBA). Dr. Anil Sahasrabudhe, Chairman of the National Educational Technology Forum (NETF), Chairman of the Executive Committee of NAAC, and Chairman of NBA, chaired the session. Dr. M. J. Jayashree from MBCET honored Dr. Anil Sahasrabudhe by presenting him with a memento. The event was coordinated by Mr. Ramjith R. P., Assistant Professor in the Department of Computer Science and Engineering.

FACULTY AS RESOURCE PERSON

Dr. Merlin George, Assistant Professor in the Department of Computer Science and Engineering, served as a resource person at the National Workshop on Blockchain in Health Care. This event was organized by the Department of Computer Science at the Central University of Kerala, Kasaragod, on January 21, 2025. During the session, Dr. George focused on the transformative potential of blockchain technology in the healthcare sector, engaging participants from both academia and industry.