



MAR BASELIOS
COLLEGE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS

College Code : MBT. Accredited by NAAC with A grade. Five B.Tech Programmes accredited by NBA since 2016.

@officialmbcet



MBCET
Bulletin



PRINCIPAL'S MESSAGE

Developing and maintaining standards for engineering and technology provides the foundational rules, safety measures, and uniform guidelines needed to build reliable, safe, and globally compatible systems. Ongoing development of standards helps shape new and rapidly evolving fields like artificial intelligence, autonomous vehicles, smart cities, and renewable energy.

There are a number of standardisation bodies both at World level as well as at National level. For example, International Organization for Standardization (ISO) is an independent, non-governmental international organization that develops and publishes a wide range of standards across many industries. Others include International Electrotechnical Commission (IEC) that focuses on international standards for electrical, electronic, and related technologies and Institute of Electrical and Electronics Engineers (IEEE) that is known for developing standards in areas like telecommunications, information technology, and power generation. Bureau of Indian Standards (BIS) is the national standards body responsible for the formulation and promotion of standards for products and services in India.

The World Standards Day is celebrated on 14 October every year. The focus this year is on affordable and clean energy which is one of the Sustainable Development Goals (SDG 7). It is important that every professional is aware of the of Standards relevant to their fields of work and also make meaningful contributions to the process of standardization in emerging areas providing a framework for regulations and best practices across the industry.

Dr. S. Viswanatha Rao

MOU WITH INDUSTRY PARTNER



MBCET signed a Memorandum of Understanding (MoU) with Dawnell Industries Private Limited on 14 October 2026 to strengthen industry-academia collaboration.

DEFINE 4.0



The fourth edition of the 24-hour national-level hackathon, DEFINE 4.0, organized by the Dept. of CSE, MBCET, was inaugurated with over 100 participants from across India. **Dr. Ciza Thomas**, Hon'ble Vice Chancellor of APJ Abdul Kalam Technological University, inaugurated the event. The function was presided over by **Dr. S. Viswanatha Rao**, Principal, with welcome remarks by **Dr. Anne Dickson**, HoD & Associate Professor, Dept. of CSE, and felicitation by MBCET Director **Rev. Fr. John Varghese Palanilkunnathil**. Faculty Coordinator **Mr. Ramjith R. P.** delivered the vote of thanks.

DESIGN PATENT

Dr. Preethi P. C., Assistant Professor, Science & Humanities, secured a design patent for the innovative "IoT Based Mulching Film Laying Machine" setup.

Vision: To be an Institution moulding globally competent Professionals as epitomes of Noble Values.

Mission: To transform the Youth as technically competent, ethically sound and socially committed professionals, by providing a vibrant learning ambience, for the welfare of humanity.



NATIONAL WINNERS OF HAC'KP 2026



Ganga B. Nair, S5 CT, was selected as one of the 50 National winners of HAC'KP 2026, the national hackathon organized by Kerala Police Cyberdome. As a winner, she took part in a three-day bootcamp at Crowne Plaza, where she worked with senior Kerala Police officials and mentors on building tools for real investigations. She was also invited to c0c0n 2026, where she received her prize from the Chief Minister of Kerala and acclaimed actor **Dulquer Salmaan**.

A CHAT WITH ALUMNUS



The Dept. of ME, MBCET, in association with AUTOMATA, organized an interactive alumni session titled “Alma Mater Diaries – A Chat with Alumnus” on 01 October 2026 in the Seminar Hall, Dept. of ME. The session featured **Dr. S. Vishnu Prasad**, Senior Project Officer, Department of Aerospace Engineering, IIT Madras, and an alumnus of the Dept. of ME, MBCET.

SAE BAJA TRAINING COMPLETED

Fifteen students from S5 ME and S3 ME completed technical training sessions conducted by SAE India for the SAE BAJA Competition at KIOT College, Salem, on 03, 04, 10 and 11 October 2026.

Week 1 Participants (03 and 04 October 2026): **Alan S. Kumar** (S5 ME), **Fahad Bin Shammad** (S5 ME), **Ashish Kilithattil Mathew** (S3 ME), **Jagan Saju** (S3 ME), **Rohith A. S.** (S3 ME) and **Bhagvad Sowraj** (S3 ME).

Week 2 Participants (10 and 11 October 2026): **Dhanwanth Krishna D.** (S5 ME), **Dharmik Ram D.** (S5 ME), **Mohammed Affan** (S5 ME), **Dhruva Nandan V. S.** (S5 ME), **Akshay V. S.** (S5 ME), **TDR Aadhitya Raja** (S5 ME), **Siddharth M. S.** (S3 ME), **Rohit Raj R.** (S3 ME) and **Krishna Dev K.** (S3 ME).

THIRD PRIZE IN BATTLE OF BANDS

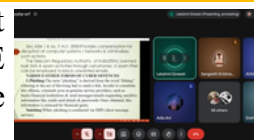
Aromal M. Ashok (S7 CS1), **S. Sabarinath** (S7 CS2), **Joseph Benedict** (S7 CT), **Joseph George** (S7 ME1), **Noel Noble** (S3 EC2) and **Seby Toms** (Alumnus) won third prize in the “Battle of Bands” held at LBS College of Engineering for Women, Poojappura, on 10 October 2026.

EXPERT LECTURE

Mr. Arun S. Mathew, Asst. Prof., Dept. of EEE, L.B.S. College of Eng., Kasaragod, delivered an expert lecture on “State Machines and Programmable Logic Devices” for S3 EE as part of the Logic System Design course on 09 Oct. 2026.

AVABODH ON CYBER CRIMES AGAINST WOMEN

The ISTE MBCET Student Chapter, through its SHE Team, organized an online session titled “AVABODH on



Cyber Crimes Against Women: Legal Framework and Emerging Challenges” on 10 October 2026. The session was led by **Dr. Lekshmi Gireesh**, Assistant Professor, Mar Gregorios College of Law, Thiruvananthapuram, who discussed the Information Technology Act, 2000, cybercrime-related legal provisions, common cyber threats and challenges in protecting women in cyberspace. **Adia Ani** (SHE Team Head) and **Hanan Fathima** (SHE Team Member) coordinated the event. **Nikhil V. R.** of the Event Management Team proposed the vote of thanks.

TECHNICAL TALK

A talk on ‘Offshore & Onshore Oil and Gas Quality Management’ was conducted on 14 October 2026 at the MED Seminar



Hall for S7 ME students by **Mr. Jafar Khan**, Techmex Institute, Trivandrum.

PAPER PUBLICATION

Dr. Anil J, Assistant Professor, EED, published a Scopus-indexed paper entitled “Digital Twin Assisted Computer Vision Framework for Industry 5.0 Smart Manufacturing Applications” at the 2026 International Conference on Circuit Power and Computing Technologies (ICCPCT), held in August 2026.





PAPER PRESENTATIONS AT IEEE ICCSC 2026

The following papers were presented at the Third IEEE International Conference on Computational Systems and Communications (ICCSC 2026), held on 05–06 October 2026 at LBS Institute of Technology for Women, Poojappura, Trivandrum.

- **K. T. Pooja, Dilroop A, Amal B. T. and Adithya Vinayak R** (S7 EC1), with **Maya M. Warriar**, Assistant Professor, Dept. of ECE — “RESCUERAY: Multi-Target Human Life Sign Detector.”
- **S. Sibi** (M3 IoT), with **Dr. Sreedevi P. and H. Aravind Sarma**, Dept. of ECE — “Mathematical Modeling and Simulation of Vehicle Exhaust Emission Control Using a Three-Way Catalytic Converter.”
- **Fijo C. V.** (M3 IoT), with **Dr. Sreedevi P. and H. Aravind Sarma**, Dept. of ECE — “State-of-Charge Estimation of Lithium-Ion Batteries Using a 3RC Equivalent Circuit Model and Discrete Kalman Filter.”
- **Rebeka Jeetan, Reva S. S., Abhinav G and Nakul R** (S7 EC1), with **H. Aravind Sarma**, Dept. of ECE — “NyxGuard: An IoT-Based Smart Luggage Security and Tracking System Using Biometric Authentication.”
- **Adwaith A. S., Abhishek D, Aleena Shaji and Dhanush S** (S7 EC2), with **H. Aravind Sarma**, Dept. of ECE — “Q-FLO: Smart Fuel Quality and Quantity Detection at Refueling Point.”
- **Alumni Anagha K. Radhakrishnan, Aisha Farha S, Ananthakrishnan M. R., Arjun Abhilash and Ashlin Anil Antony**, with **Dr. Sreedevi P. and H. Aravind Sarma**, Dept. of ECE — “A Hybrid Screening Framework for Early ASD Using Facial Expression and Questionnaire Method.”

INDUSTRIAL VISIT

S3 Civil Engineering students visited Anchuruli Tunnel, Idukki, and the Cantilever Glass Bridge, Vagamon, on 10 October 2026.



The 72 students were accompanied by faculty coordinators **Ms. Anupama Krishnan, Mr. Sreeju Nair S. B., Ms. Bindu Biju and Ms. Prasanthi A. P.** The visit provided practical exposure to tunnel infrastructure, structural design, load transfer, material selection and bridge safety.

INSPIRE LECTURE SERIES

The Dept. of Civil Engineering, MBCET, organized a talk titled “Power and Purpose of Intellectual Property Rights” on 13 October



2026 at Laurie Baker Hall as part of the INSPIRE Distinguished Lecture Series. **Mr. Anoop K. Balan**, Soft Skills Coach and Employability Trainer, ASAP Kerala, spoke about patents, copyrights, trademarks and their role in protecting innovations. The session also covered patent processes and the protection and commercialization of ideas. **Ms. Ansu Mathew** and **Ms. Radhika P.** coordinated the event.

PLACEMENT TRAINING PROGRAMME

The Dept. of Civil Engineering, MBCET, organized a one-day placement training programme titled “Professional Skills for Career Success” on 09 October 2026. **Ms. Begi Margaret**, Senior Principal Consultant, Infosys, Hyderabad, trained 21 S5 and S7 Civil Engineering students in communication and collaboration, problem-solving and critical thinking, and planning and time management.

PLACEMENT UPDATES

 Aaron Varghese Koshy	 Abel Louis Fernandez	 Adithya Ajith	 Anavadya Nair	 Anirudh M Nair
 Anna Neena Bright	 Athul S	 Avin Joy	 E V Jishnu	 Jeeva S Jerry
 Joshua Sunny Ninan	 Krishnaveni Deepak	 Parthiv Kiran Nayar	 R D Sourav	 Reuben George Jacob

 Adithya Lalit S7 EL	 Anna Neena Bright S7 CT
 Manuraj M S S7 EL	 Prathyusha N Nair S7 EL

Managing Editor: Fr. John Varghese Palanilkunnathil, Director
Email: director@mbcet.ac.in

Editor: Prof. Dr. George Zacharia

Published by Mar Baselios College of Engineering and Technology, Mar Ivanios Vidyanagar, Nalanchira, TVM - 695015

Chief Editor: Dr. S. Viswanatha Rao, Principal
Email: principal@mbcet.ac.in

Design & Layout: Abey E. Mathews (ITMS)