



MAR BASELIOS
COLLEGE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS

College Code : MBT. Accredited by NAAC with A grade.

MBCET
Bulletin

Five B.Tech Programmes accredited by NBA since 2016.

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PRINCIPAL'S MESSAGE

Indian Independence Day, celebrated on August 15, commemorates the nation's freedom from British rule in 1947. This significant event marked the culmination of decades of struggle and sacrifice by countless freedom fighters. The journey to independence was long and arduous, with leaders like Mahatma Gandhi, Jawaharlal Nehru, and Subhash Chandra Bose playing pivotal roles. Their relentless efforts, coupled with the unwavering spirit of the Indian people, ultimately led to the country's liberation. Indian Independence Day is a celebration of the nation's resilience, diversity, and unity. It's a day to honour the sacrifices of the past, acknowledge the progress made, and look forward to a brighter future. The tricolour flag is proudly hoisted across the country, symbolizing the nation's sovereignty and pride. The "Har Ghar Tiranga" campaign is a nationwide initiative in India that encourages citizens to hoist the national flag at their homes, offices, or institutions as a symbol of patriotism and national unity. As India continues to grow and evolve, Independence Day serves as a reminder of the importance of preserving freedom, promoting unity, and working towards a better tomorrow for all its citizens. It's a day of reflection, celebration, and renewed commitment to the nation's values and ideals.

Dr. S. Viswanatha Rao



A nation's culture resides in the hearts and in the soul of its people." - Mahatma Gandhi

MBCET INDIAN INDEPENDENCE DAY CELEBRATIONS 2025



MEDICINAL HERB PLANTATION AND DISTRIBUTION



The ISTE MBCET Faculty Chapter and Environment Cell, in collaboration with the Rotary Club, organized a successful Medicinal Herb Plantation and Distribution Drive for the staff of MBCET 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 began at 10:00 AM at the Medicinal Garden near the Chapel. The importance of cultivating medicinal herbs as a means to promote health and environmental responsibility was emphasized. Around 100 medicinal herb saplings were distributed to interested staff members and several saplings were planted in the garden. The Rotary Club's support was instrumental in facilitating the event and sharing insights into the care and use of medicinal herbs. Faculty coordinators: **Dr. Nidhi M. B.**, Professor, ME, **Ms. Poorna B. R.**, Asst.Professor, CS and **Ms. Jayalekshmi J.**, Asst.Professor, CS.

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.



IEEE SB ACTIVITY



IEEE SB, MBCET, conducted a 1 day program named Evolve 2025 on 09 August 2025. It comprised events in two parallel tracks - for Engineering students and the other for school students. The program began with an inspiring session on emerging technologies by **Mr. Nandan S.**, Secretary, IEEE India Council & IEEE Kerala Section, and Assistant Director, LBS, Trivandrum. The two-day TECHTINKER 2025 Workshop on IoT and Hardware Essentials, held in conjunction with IEEE EVOLVE, concluded on 10 August at MBCET. Twenty enthusiastic school students from classes 8 to 12 participated, representing various schools across Trivandrum. Students were introduced to the fundamentals of electronics and sensors, before moving on to engaging, hands-on activities, including:

1. Using measurement devices like the multimeter and digital storage oscilloscope (DSO)
2. Simple circuit realisation on breadboards
3. Simulation with Tinkercad software
4. Exploring IoT applications in real-world contexts

FACULTY AS RESOURCE PERSON



Dr. Anil J., Assistant Professor, Department of EEE, served as Session Chair at the 8th International Conference on Circuit, Power and Computing Technologies (ICCPCT 2025), organized by Baseline Mathews II College of Engineering, Kollam, and technically sponsored by the IEEE Kerala Section, held on 07 and 08 August 2025.

PVOLVE



PVOLVE – Workshop on “Solar PV System Design and Development” was organized by IEEE PES SB MBCET in association with IEEE PES Kerala Chapter and Illumina on 10 August 2025 at MBCET. **Dr. Bobby Philip**, Associate Professor, SCT College of Engineering, Trivandrum, and Chair, IEEE Kerala Section inaugurated the workshop. **Dr. Ajith Gopi**, CEO & Founder, Zonergia Services Pvt. Ltd. and Chair, Professional Activities, IEEE Kerala Section and **Mr. Ananthu R. Krishnan**, Senior Consultant, Renewable Energy conducted the sessions. A total of 46 students attended the workshop.

PAPER PRESENTATION

- **Ms. Poorna B. R.**, Assistant Professor, CS and **Dr. Jisha John**, Professor, CS 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 01 August 2025, organized by SVKM’s Institute of Technology, Maharashtra.
- **Ms. Poorna B. R.** (Assistant Professor, CS) has presented a research paper titled “Healthcare Recommender System using Machine Learning” co-authored by **Dr. Jesna Mohan**, Associate Professor, CS and **Mr. Jephin John Kutty** at Third International Conference on Networks and Advances in Computational Technologies (NetACT 25) from 7 to 9 August 2025, organized by the Department of Computer Science and Engineering, MBCET.
- **Nidhi M. B.** and **Sreekumar R.**, presented a paper titled ‘Integrating Blockchain for Enhanced Supply Chain Traceability and Sustainability: A Review’ in 9th International Conference during 8 to 9 August 2025, and published in book of abstracts of AI-driven Industrial Engineering for Sustainability | ISBN: 978-93-89947-90-8 (eBook), organised by IIIE.





FACULTY AS SESSION CHAIR

Dr. Nidhi M. B., Professor MED and Head CPDL, served as the session chair on the occasion of 67th National Convention of IIIE and 9th International Conference.



Ms. Maya M. Warriar



Ms. Hanna Lalu

ATTENDED TALK SESSION

Dr. Preethi P. C., Dr. Renjini M. Nair and Dr. Lakshmi J. S. participated in a plenary talk on 'Emerging 2D quantum materials for brain-inspired neuromorphic computing applications' organised by the IEEE Nanotechnology Council Student Chapter, Indian Institute of Technology Indore on 12 August 2025.

UHV CELL ACTIVITY



MBCET-UHV Cell organized a session on the "Importance of UHV in Higher Education" for 25 Management representatives of the College on 26 July 2025. The Director, Principal, Deans, HoDs and Senior Faculty Members attended the program. Resource Person: **Prof. Umesh Jadhav**, UHV foundation. Mr. Manilal, UHV FDP Observer and **Ms. Priya C. V.**, South Regional UHV coordinator also attended the program.

NEWLY JOINED FACULTY

The following Staff Members joined the department of ECE



Mr. Alex V.



Dr. Aswathy Madhu

EXPERT TALK



The Department of Civil Engineering, in association with CESA, organized an invited lecture on "Intellectual Property Rights: Safeguarding Innovation" for the Semester 3 students on July 31, 2025. The resource person was Adv. Reeya Susan John, Assistant Professor, Mar Gregorios College of Law, Nalanchira, Thiruvananthapuram. A total of 64 students attended the talk.

WRESTLING WINNER

Aishwarya Balakrishnan Menon of S5 EC1 participated in the Kerala District Under-23 Wrestling Championship held on 13th July 2025 and secured a Gold Medal. She also won a Bronze Medal in the Kerala State Under-23 Wrestling Championship conducted by the Kerala Wrestling Association on 9 August 2025.



ATHLETICS ACHIEVEMENT

S. Kailasnath (S3 EEE) participated in the District Amateur Athletics Meet 2025 and secured 2nd place in Hammer Throw and 3rd place in Discus Throw Competition.



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