



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



PRINCIPAL'S MESSAGE

The UN General Assembly adopted Universal Declaration of Human Rights (UDHR) on 10 December, 1948, highlighting that all people deserve fundamental rights and freedom, promoting equality, justice, and dignity worldwide, and serving as a call to action against discrimination and rights violations. The UDHR is a landmark document, the most translated in the world, serving as a "common standard of achievement" for all nations. Human Rights Day is celebrated annually on December 10th to commemorate the adoption of the UDHR. Each year has a theme to address current challenges and re-engage people with core rights. The theme for the year 2025 is 'Human Rights, Our Everyday Essentials'. In this period of turbulence and unpredictability, where many feel a growing sense of insecurity, disaffection and alienation, the theme of Human Rights Day is to reaffirm the values of human rights and show that they remain a winning proposition for humanity.

Dr. S. Viswanatha Rao

ATAL SPONSORED FACULTY DEVELOPMENT PROGRAMME

The Dept. of EEE completed the six-day AICTE-ATAL Faculty Development Programme on "Electric Vehicles and Emerging



Technologies: Trends, Challenges, and Innovations" conducted from 01 to 06 Dec 2025. This intensive program brought together distinguished resource persons from IITs, CDAC, ANERT, Omega Seiki Mobility, Siemens, HCL and Hykon. The FDP was coordinated by **Dr. Soumya A. V.** and **Dr. Sheryl Arulini.**

KALARIPPAYATTU CHAMPIONS

Pavan S. of S1 EEE participated in the 67th State Kalaripayattu Championship held at central stadium from 05- to 07 December and secured a Bronze Medal in Kettukari Payattu and got selected for nationals.



CATALYST IEDC SALT PROGRAM

Catalyst IEDC, in association with the Outreach Cell, conducted the first edition of the IEDC SALT (Startup Awareness and Leadership



Training) program for school students at MBCET, on 06 December 2025. Sessions on robotics, entrepreneurship, and leadership were led by **Mr. Vishnu P. Kumar** (ECE Alumnus, 2022), Co-Founder & CTO of Unibotix Innovations, and **Ms. Meenakshy B. S.** (CSE Alumna, 2023), actor, entrepreneur, and former CVO of Catalyst IEDC. 41 students from 12 schools across Thiruvananthapuram took part in the program. Faculty coordinators: **Dr. Lani Rachel Mathew**, **Mr. Shiras S. N.**, **Asst. Professors, ECED.**

ORIENTATION SESSION ON CATALYST IEDC DARE2BUILD CONDUCTED



Catalyst IEDC conducted MBCET's first Belief Capital Fund pitching event, Dare2Build by Innove8orX, a startup by **Ms. Meenakshy B. S.**, Alumna, CSE 2023, on 08 December 2025. Six teams from branches across MBCET participated, presenting diverse and innovative ideas. Best Presentation Award was won by the group **Niranj R., Sradhya Renish, Vasundhara S. R. and Nayana Anna Binu - S5CSE**, and they received a cash prize of ₹5,000. Best Team Award was won by **Orque Innovations**, startup by **Krishna Prasad, Aashish Shajahan, Rizwan Shajahan - S7CSE**, receiving a cash prize of ₹10,000.

OPERATION C: INTRODUCTORY C PROGRAMMING WORKSHOP

The Google Developer Groups on Campus (GDGC) MBCET organized Operation C on 29 November 2025 at Shannon Hall as a hands-on C programming workshop for first-year students. The workshop was delivered by GDGC's members **Elvis Mathews Olickal, S5EL, Jithin Rajesh, S5EL and Joshua Sunny Ninan, S5CSE1**, and was coordinated under the guidance and presence of **Dr. Merlin George**, Assistant Professor, Dept. of CSE, Faculty Coordinator, GDGC MBCET.



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.



VIMUKTHI MISSION VOLLEYBALL TOURNAMENT



The Kerala State Excise Department's Vimukthi Mission organized a "Laharik Ethire Kayika Lahari" Volleyball Tournament for college students in Thiruvananthapuram district at MBCET. **Fr. John Varghese**, Director, MBCET, presided over the function. The formal inauguration was conducted by **Mr. Shibu P. L.**, Deputy Excise Commissioner. **Mr. Santhosh Kumar S. K.**, Assistant Excise Commissioner; **Dr. S. Viswanatha Rao**, Principal, MBCET, **Mr. Ramjith R. P.**, Assistant Professor, MBCET, and **Mr. Vighnesh Viswanath**, Vimukthi Mission Coordinator, took part in the event. In the competition, which saw participation from numerous college teams, the students of Mar Baselios College of Engineering won the first prize.

MBCET WOMEN BASKETBALLERS IN UNIVERSITY TEAM

MBCET Basketball Women's Team secured the Runner-Up position in the APJ AKTU All-Kerala Inter-Collegiate



Tournament held at Muthoot Institute of Technology and Science, Ernakulam on 04 December 2025. **Diya Vijayan V. D.**, S7ECE2 and **Krishna Veni B.**, S5CE2 got selected to the University Basketball Women's Team which is going to held from December 29 onwards at Christ University Bangalore.



IEEE SENIOR MEMBERSHIP



Dr. Merlin George, Assistant Professor, Department of CSE, has been elevated to the grade of IEEE Senior Member.

FACULTY ATTENDED GIAN COURSE

Ms. Akhila, Assistant Professor, Department of Civil Engineering, attended a five-day GIAN course on "Holistic View of Hydroclimate Extremes and Climate Change Impacts", held from 01 to 05 December 2025 at NIT Calicut. The programme featured expert sessions by **Dr. Venkataramana Sridhar**, Virginia Tech, USA, along with host faculty **Dr. S. K. Pramada**.



6-DAY FACULTY DEVELOPMENT PROGRAMME ON TRANSFORMERS TO AGENTIC AI

The Dept. of CSE, organized a six-day Faculty Development Programme titled "Transformers to Agentic AI: Building and Deploying Generative AI Solutions" from 01 to 06 December 2025. The event commenced with an inaugural ceremony attended by **Dr. S. Viswanatha Rao**, Principal, **Dr. Jisha John**, HoD and faculty members from various institutions. Following the inauguration, every technical session offered demonstrations and practical exercises. Resource persons from academia and industry, including **Dr. Joe Cheri Ross**, **Dr. Brijesh Madhavan**, **Dr. Manu Madhavan**, **Dr. Shailesh S.**, **Dr. D. Sumathi**, **Dr. Sowmya V.**, **Dr. Premjith B.**, **Dr. Jesna Mohan**, **Mr. Arundev Vamadevan**, and **Mr. Sai Jeevan Puchakayala**, delivered the sessions. The programme was coordinated by **Dr. Tessy Mathew** and **Dr. Neena Raj N. R.**

PRE PLACEMENT TALK

Envestnet conducted a pre-placement talk for final year students on December 10th. The company shared details about their hiring process, available opportunities and career growth. They also highlighted that they consider students focusing mainly on logical reasoning and thinking skills. The session was informative and encouraged students to explore roles at Envestnet.

PAPER PUBLICATIONS

- Dr. Dishore S. V.**, Asst. Prof. EED published a SCI indexed paper "Melioration of power quality in a grid integrated system using modular inverter fed with renewable energy sources" in Electrical Engineering, Springer Publication, Q2, IF(1.9).
- Jayachandran Santhakumari Lakshmi** (Assistant Professor, Dept. of S&H), Vamsi Krishna Palukuru, Steffy Maria Jose, Rini Varghese, Jijimon K. Thomas, Surendran Rajesh - published an article entitled "**5G WLAN antenna fabricated on low loss $Zn_2V_2O_7$ ceramic substrate with low sintering temperature**" in International Journal of Applied Ceramic Technology (Volume 23, Issue 1 e70123) <https://doi.org/10.1111/ijac.70123>

FDP ATTENDED

- Ms. Anjali S.**, **Ms. Prathibha S Nair**, **Ms. Vinitha V K**, **Ms. Jayalekshmi J**, Assistant Professors, CSED participated in the Five Day Online Faculty Development Program on





"Next-Gen AI: From Deep Learning and Transformers to Responsible AI" conducted by Amal Jyothi College of Engineering, Kanjirappally, from 24 to 28 Nov 2025.

- **Ms. Deepthi K. Moorthy & Ms. Lino Zachariah**, Assistant Professors, CSED attended a FDP on "Deep Learning for Text, Vision and Emerging Multimodal Systems" organized by ToCH Institute of Science and Technology from 01 to 06 December 2025.
- **Ms. Anjali Devi A. J.**, Assistant Professor - Computer Science Engineering participated in the Two Weeks International FDP on Technology-Integrated Pathways to Achieve the Sustainable Development Goals(SDGs) conducted in virtual mode, organized by Rajalakshmi Institute of Technology, Chennai, held from 17 to 29 November 2025.
- **Dr. Elizabeth Varghese**, Associate Professor and HoD EED attended an online Faculty Development Programme on "Sustainable Energy Systems: Power Electronics Interface and Control for Next Generation EVs" organized by the Dept. of EEE, Amal Jyothi College of Engineering (Autonomous), Kanjirappally from 01 to 05 December 2025.
- **Ms. Revathy K. P. and Ms. Neetha Chandran**, Asst. Professors, EED attended a six day Faculty Development Programme on "Next Generation Engineering: Exploring Intelligent and Autonomous Technologies", held from 17 to 22 November 2025, jointly organized by the Department of Electronics and Communication Engineering and the Department of Robotics and Automation, Toc H Institute of Science and Technology, Ernakulam, Kerala.
- **Ms. Revathy K. P. and Ms. Neetha Chandran**, Asst. Professors, EED attended a five day online Faculty Development Programme on "Inculcating Universal Human Values in Technical Education", organized by All India Council for Technical Education (AICTE) from 10 to 14 November 2025.

PAPER PRESENTATIONS

- **Ms. Lino Zachariah**, Asst. Prof., Dept. of CSE presented a paper online titled "Real-Life Violence Detection in Sports Videos Using MoViNet" in the 9th International conference on Micro-electronics

and Telecommunication Engineering organized by the Department of ECE, SRM Institute of Science & Technology, Delhi on 04 December 2025.

- **Salmanul Fariz N. S.**, final year B.Tech Student, Department of Civil Engineering, along with group members **Faiz Muhammad S., Noell Kuriakose, and Sidharth A.** under the guidance of **Ms. Radhika P.**, Assistant Professor Department of Civil Engineering presented a paper titled "A Review on Improving RAP Performance Using Water Hyacinth-Derived Rejuvenator" at the First International Conference on Sustainable Technologies and Sciences, organized by LBS Institute of Technology for Women from 04 to 06 December 2025.
- **Ms. Radhika P.**, Assistant Professor, Department of Civil Engineering, presented a paper titled "Strength and behaviour of steel fiber reinforced lightweight concrete deep beams with openings" at the First International Conference on Sustainable Technologies and Sciences, organized by LBS Institute of Technology for Women from 04 to 06 December 2025.
- **Dr. Lekshmi Chandran M.**, Assistant Professor, Department of Civil Engineering, presented a paper titled "A Review of Vibration Screening Using Trench Barriers" at the First International Conference on Sustainable Technologies and Sciences, organized by LBS Institute of Technology for Women from 04 to 06 December 2025.
- **Dr. Nisha G. K., Dr. Praveen Raj R. S., Dr. Shalu George K., Ms. Sheenu P., Ms. Sandhya P., Ms. Shyju Susan Mathew, Ms. Surasmi N. L., Mr. Aswin R. B., Dr. Anil J., Ms. Shilpa Susan Peter, Ms. Parvathy C. J., Ms. Revathy K. P., Ms. Neetha Chandran, Mr. Ayush Vijayan, Ms. Arya Vijayan** completed the AICTE- ATAL sponsored 6 day FDP on "ELECTRIC VEHICLES AND EMERGING TECHNOLOGIES: Trends, Challenges, and Innovations" from Dec 1 to 6, 2025 organized by Department of EEE, MBCET.

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

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

Editor: Prof. Dr. George Zacharia

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