



PRINCIPAL'S MESSAGE

Technology has fundamentally reshaped our global landscape, offering both incredible benefits and significant challenges, and spurred breakthroughs in many areas including sports and games. As one of the most recent contributions in sports and games, technology has fundamentally transformed the World Cup Football, shifting the game into a hyper-precise, data-driven spectacle. Innovations like the Connected Ball Technology, Semi-Automated Offside Technology (SAOT), and AI-driven digital twins ensure unprecedented accuracy in officiating. The official match ball uses internal sensors that transmit precise spatial data, spin rates, and impact forces up to 500 times per second, identifying the exact moment of a kick or touch. Using over a dozen high-speed cameras, SAOT tracks 29 distinct data points per player to create digital skeletons. Paired with the connected ball data, the AI generates real-time 3D models capable of detecting offside infringements down to the millimetre in mere seconds. Video Assistant Referee (VAR) utilizes multiple camera angles and tracking cameras to review errors regarding goals, penalties, direct red cards, and mistaken identity. Goal-Line Technology (GLT) employs high-speed cameras or magnetic fields to detect the exact moment the ball crosses the goal line, sending an instant signal to the referee's watch. As technology evolves, it creates more opportunities for Engineering professionals in every field, and it is important for them to identify and address the challenges faced, through innovation and creativity.

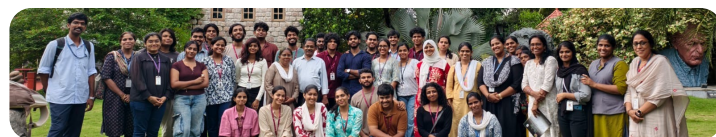
Dr. S. Viswanatha Rao

CYBER SECURITY AWARENESS PROGRAMME

The Institution's Innovation Council (IIC), MBCET, organized the RBI Reelathon Campaign and On-campus Cyber Security Awareness Programme on 6 July 2026 at Senatus Hall in collaboration with the Reserve Bank of India (RBI), Thiruvananthapuram. The programme created awareness among students on cyber security, safe digital banking practices, and financial literacy through interactive sessions led by RBI officials.

The session was coordinated by **Dr. Sheryl Arulini**, IIC Convener.

UHV CELL-OUTREACH ACTIVITY



The UHV Cell of MBCET organized an outreach visit to Psycho Park, Thiruvananthapuram on 3 July 2026. The programme was attended by 38 students and 7 faculty members. Coordinators: **Mr. Jacob Karingottu**, Asst. Prof. (MED) and **Dr. Veena Nair**, Asst. Prof. (S & H).

TRIONDA – FOOTBALL BEYOND BORDERS



TRIONDA – Football Beyond Borders, organized by the MBCET Senate on 02 July 2026, celebrated the spirit of the **FIFA World Cup 2026** by transforming the campus into a vibrant football festival. The event commenced with an official inauguration at the Open Air Theatre, followed by an exciting 3v3 Football Tournament.

KARUTHAL - OUTREACH ACTIVITY

As part of **Karuthal**, the social outreach initiative of the Department of Science and Humanities, the faculty members visited **Nirmala Shishu Bhavan, Thiruvananthapuram**, on 30 June 2026. They donated essential supplies, interacted with the children, and promoted compassion, empathy, and social responsibility through meaningful community service.



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.



FACULTY DEVELOPMENT PROGRAMME

- **Dr. Anne Dickson** (Assoc. Professor, Dept. of CSE), **Ms. Deepthi K. Moorthy** and **Ms. Vinitha V. K.**, (Asst. Professors, Dept. of CSE) participated in 6 days Hands-on FDP on "Computer Networking using Linux: A practical Approach" from 08 to 13 June 2026, Ernakulam organized by the Dept. of Computer Science & Design, in association with the R&D department, Viswajyothi College of Engineering & Technology, Muvattupuzha.
- **Dr. Nisha G. K.**, Professor in EEE and IQAC Coordinator, participated in a one week Faculty Development Programme on "Driving the future of Electric Mobility through Embedded Innovation" from 22 to 29 June 2026 hosted by the Department of Electrical and Electronics Engineering, TKM College of Engineering, Kollam. She attended also a special Lecture on "Institutional Renewal: Lessons from Innovative Universities Across the World" by Dr. Dara Melnyk (Director of Global Engagement, Higher Education Strategy Associates, Toronto, Canada) on Friday, 03 July 2026 by Kerala State Higher Education Council at the Senate House Campus, Palayam, Thiruvananthapuram.
- **Ms. Revathy K. P.**, Assistant Professor, in EEE participated in the virtual Six-Day International Faculty Development Programme on "Intelligent Technologies for Smart Healthcare and Sustainable Energy Systems" from 23 to 29 June 2026 She participated in the Faculty Development Programme titled "Smart Governance And Innovation In NSS" held at the Agricultural Co-Operative Staff Training Institute, Manvila, Thiruvananthapuram from 22 to 24 June 2026 and also in the 5-Day Faculty Development Program on "Human Factors, Road Safety and Automotive Systems Engineering" organised by the Department of Automobile Engineering and Department of Mechanical Engineering in association with SCMS Institute for Road Safety and Transportation, from 29 June to 03 July 2026. She completed the 5 days online Faculty Development Program on "AI and ML Applications in Power Systems, Renewable Energy, Power Electronics, Electric Drives & Electric Vehicles" organised by the Department of Electrical and Electronics Engineering from 15 to 19 June 2026.
- **Ms. Salga Ann Jacob, Dr. Aswathy Madhu** and **Ms. Maya M. Warriar**, Assistant Professors, Dept. of ECE, attended Six Day Online FDP on "Sustainable Electronics for Next-Generation Applications", LBS Institute of Technology for Women, Poojappura from 15 to 20 June 2026.

PAPER PUBLICATION

- **Dr. Rituparna Bhattacharyya, R., & Jha, B. K.** (2026). Modeling two-dimensional spatial neurodynamics in neuronal calcium disorders using a fuzzy differential approach. Communications in Theoretical Physics, 78(8), 085006. SCI, I.F. 3.5 (Q2) <https://doi.org/10.1088/1572-9494/ae70f0>.
- **Saara Salim, A. P. Anupama, D. K. Devadathan, Karthik R., Reyhan S. Hassan, Salga Ann Jacob and M. J. Jayashree** published a review paper titled "Alcohol Use Disorder Prediction from EEG Using AI Algorithms: A Comprehensive Review" in the International Journal of Engineering Research & Technology (IJERT) (ISSN: 2278-0181), Volume 15, Issue 6, June 2026.
- **Dr. Dishore S. V.**, Asst. Professor, EED published a SCI indexed paper entitled "Revolutionizing onsite microbial testing with a PID-controlled portable incubator for remote and resource-limited areas" in Chemical Papers, Springer Publication, Q2, IF(2.7).

FACULTY AS RESOURCE PERSON

- **Dr. Jaya S. Pillai**, Associate Professor, Department of Civil Engineering, delivered an online expert talk titled "Beyond Decibels: Noise Regulations, Impact Assessment and Sustainable Soundscapes" on 24 June 2026 as part of the Collaborative Teaching Project, CIDL Global Learning organized by the Faculty of Mechanical Engineering, Universiti Teknologi MARA (UiTM), Malaysia.
- **Ms. Deepa P. L.** and **Dr. Aswathy Madhu**, Assistant Professors, Dept. of ECE, served as resource persons for the Faculty Development Program on DSP EDGE: Empowering Digital Signal Processing in Lab and Beyond, organized by the Mohandas College of Engineering and Technology, Trivandrum from 29 June to 03 July 2026.

FACULTY AS GUEST OF HONOUR

Dr. Nidhi M. B., Prof. MED, was the guest of honour and delivered a session on the topic "Introduction to Cyber Crime and Cyber Security" at the ISTE-BNY One week Knowledge Enhancement Programme – 2026 on 'Internet crime, Human Safety and Advanced Cyber Security Practice' organised by Toc H Institute of Science and Technology on 06 July 2026.

APPOINTED AS HOD

Dr. Anne Dickson (Assoc. Professor, Dept. of CSE) assumed charge as the HoD of the Department of Computer Science and Engineering, with effect from 01 July 2026.





MBCET CORPORATE RELATIONS UPDATE

As part of its continued efforts to strengthen industry-academia collaboration, Corporate Relations team from MBCET visited the R&D Department of Travancore Titanium Products Limited (TTPL) on 07 July 2026.

The MBCET team comprised of **Dr. Ushakumari S**, Dean – Corporate Relations, and **Mr. Justin Joseph**, COO – Corporate Relations, was welcomed by the TTPL's Research & Development Department.

During the meeting, the MBCET team presented an overview of the institution, highlighting its academic departments, research capabilities, industry engagement initiatives and the various opportunities available for collaborative projects, internships, consultancy and innovation.

The TTPL team provided valuable insights into the company's operations, research initiatives, and emerging areas of technological interest. Discussions focused on several potential domains for collaboration.

Both institutions expressed a strong interest in fostering meaningful academic-industry partnerships that would benefit faculty members, researchers, and students alike. As an immediate outcome of the meeting, it was proposed that a team of faculty members from various departments of MBCET visit TTPL's R&D facilities to gain a deeper understanding of the organization's research activities and identify opportunities for collaborative research, consultancy, student projects and internships.

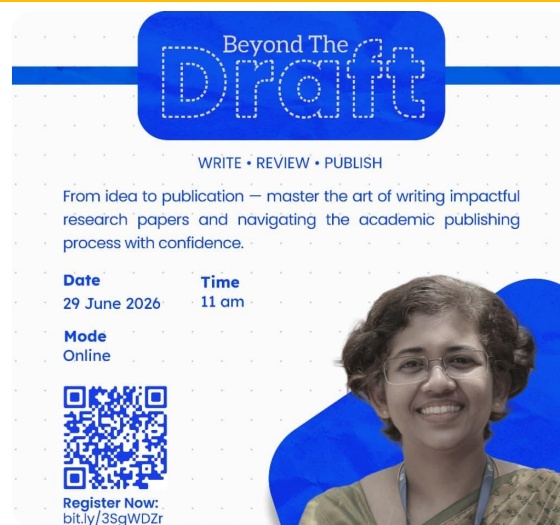
EMBEDDED AI & AIOT HANDS-ON TRAINING



The Embedded AI & AIOT Hands-on Training and Internship conducted from June 15 to 19, 2026, was organized by IEEE SB MBCET in collaboration with IICT GmbH (International IoT Communication Technologies Pvt. Ltd.). 26 participants from MBCET, College of Engineering, Trivandrum, Government

Engineering College, Barton Hill, Mohandas Engineering College and Marian Engineering College attended the internship. The resource persons, **Ms. Midhuna Dhananath**, Program Coordinator & Technical Trainer, and **Ms. Bhanu Priya P. S.**, Application Engineer, IICT, conducted the hands on sessions. Student Co-ordinators: **Ms. Afrin Shammath L** (S6 ECE), **Ms. Bhadhra G. Nair** (S6 EL) and **Mr. Joe Joseph Dennis** (S2 EEE) Faculty Co-ordinators: **Dr. Lani Rachel Mathew** and **Dr. Swapna P. S.** (Associate Professors, ECED).

ONLINE WORKSHOP ON RESEARCH PAPER WRITING



CSI SB MBCET, in association with IEEE CS SBC, organized an online workshop titled "Beyond the Draft: A Guide to Effective Research Paper Writing" on 29th June 2026. Around 45 students participated in the session. The session was led by **Dr. Lani Mathew**, Associate Professor, Department of Electronics and Communication Engineering.

DISTRICT ATHLETIC COMPETITION



Karishma T. Prasad S5 CS1 and **Sherry Shaji Thomas of S3 CT** participated in the 1500 m race at the District-Level Athletic Competition, Trivandrum, held on 3 July 2026 as part of the Diamond Jubilee celebrations of the Border Security Force (Spandan League 2026) at LNCPE Stadium, Kariavattom. They secured 6th and 8th positions, respectively.





ADMISSIONS 2026



MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY AUTONOMOUS

Code
MBT

NAAC Accreditation with A Grade | NBA Tier 1 Accreditation for 5 B.Tech Programmes
Affiliated to APJ Abdul Kalam Technological University & approved by the All India Council for Technical Education
Mar Ivanios Vidyannagar | Nalanchira P.O | Thiruvananthapuram - 695 015 | Kerala
Phone: 0471 - 2545868 | Website : www.mbcet.ac.in

B.Tech Programmes

B.Tech Civil Engineering.	120 seats
B.Tech Computer Science and Engineering.	120 seats
B.Tech Computer Science and Engineering (Artificial Intelligence).	60 seats
B.Tech Electronics and Communication Engineering.	120 seats
B.Tech Electrical and Electronics Engineering.	60 seats
B.Tech Electrical and Computer Engineering.	60 seats
B.Tech Mechanical Engineering.	90 seats

M.Tech Programmes

M.Tech Computer Science and Engineering.	18 seats
M.Tech IoT and Sensor Systems.	18 seats
M.Tech Machine Design.	18 seats
M.Tech Structural Engineering.	18 seats
M.Tech Transportation Engineering.	18 seats
M.Tech Environmental Science and Engineering.	18 seats

New M.Tech Programme started in 2026

M.Tech Artificial Intelligence and Data Science. (18 Seats)

Ph.D in all branches.

**Contact
Numbers
for
Admissions**

General Enquiry

0471-2545868 (Working days)
9446572809, 7012052622

NRI Admission

9447211341(M)

Established: 2002
NBA Accreditation : Since 2016
NAAC Accreditation (A Grade): Since 2016
Autonomous: 2020

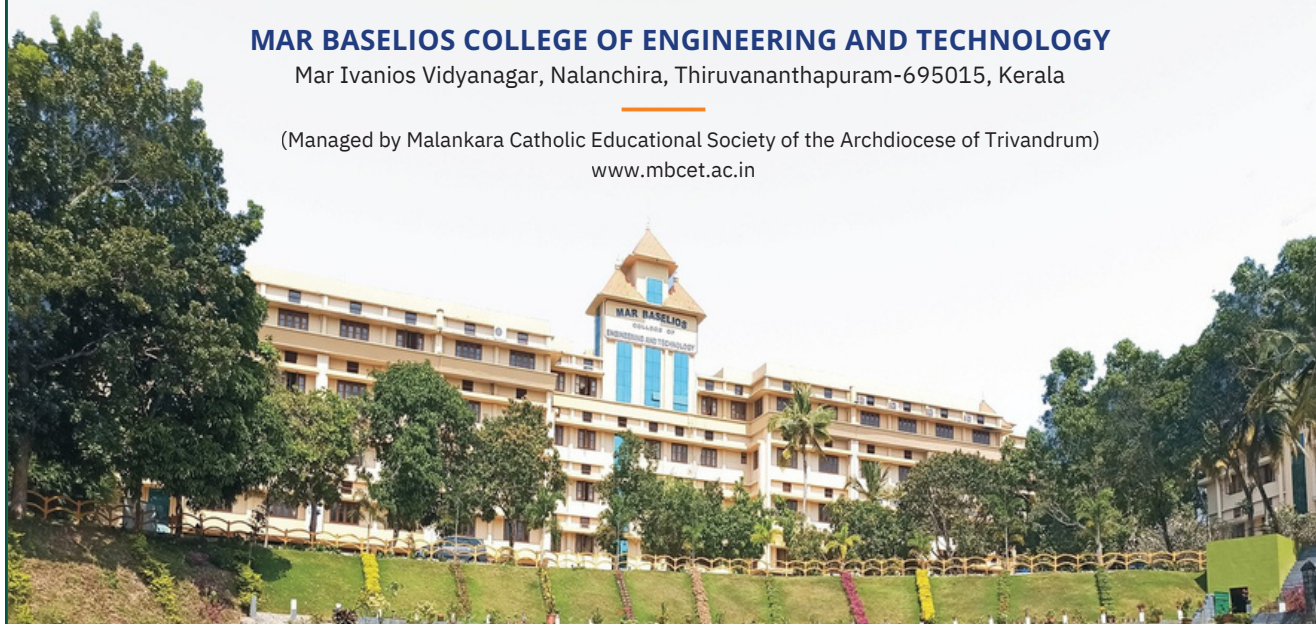


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