



**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

Environment refers to the surroundings or conditions in which living organisms exist and interact. It provides essential resources like food, water, oxygen and shelter, making it vital for sustaining life on Earth. Climate change and disaster risks are fundamental threats to sustainable development, the living and health conditions for all humans worldwide. World Environment Health Day was founded by the International Federation of Environmental Health (IFEH) in 2011 to focus on the importance of caring for the health of our environment and is being celebrated on 26<sup>th</sup> of September every year. The theme for this year is "CLEAN AIR, HEALTHY PEOPLE."

On a similar note, the International Day for Universal Access to Information (IDUAI) is celebrated annually on 28<sup>th</sup> of September to promote access to information as a fundamental human right. Established by UNESCO in 2015 and recognized by the UN General Assembly in 2019, this day highlights the importance of information access in fostering transparent governance, achieving development goals, and building inclusive knowledge societies. Incidentally, the theme for IDUAI 2025 is "Ensuring Access to ENVIRONMENTAL Information in the Digital Age," focusing on the vital importance of timely, comprehensive, and cross-border access to environmental information.

Let us protect our environment by adopting sustainable practices, conserving resources, and reducing pollution. With a good understanding of the environment's significance and impact, we can work towards preserving it for future generations.

**Dr. S. Viswanatha Rao**

## MIX DESIGN WORKSHOP

The Dept. of Civil Engineering, Mar Baselios College of Engineering and Technology (Autonomous), in association with the Indian Concrete Institute (ICI) and UltraTech Cement Ltd., organized a Mix Design Workshop on 20 September 2025 at Laurie Baker Hall. Resource Person: **Er. Rajilesh K.**, TTSM, UltraTech Cement Ltd. The event was coordinated by **Dr. Archana J. Sathesh**, Asst. Prof., Dept. of CE. The session included participants from PWD, Irrigation Dept., UG and PG students.



## INTERNATIONAL SEMINAR AND 8TH TSR LECTURE 2025



The Department of Civil Engineering, in association with the Indian Geotechnical Society (IGS), Thiruvananthapuram Chapter, and Technical Committee TC 104 of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE), organised a one-day International Seminar on "New Frontiers on Physical Modelling of Geotechnical Infrastructure Structures" on 19 September 2025, which also featured the 8th **Prof. T. S. Ramanatha Ayyar Lecture**. The inaugural ceremony commenced with a welcome address by **Dr. Jisha S. V.**, Asso. Prof. & Head, Dept. of CE, followed by the presidential address delivered by **Dr. S. Viswanatha Rao**, Principal, MBCET. **Smt. Mini Antony IAS**, Additional Chief Executive Officer of KIIFB, delivered the inaugural address, while the keynote address was presented by **Prof. B. V. S. Viswanadham** (IIT Bombay). **Dr. K. Balan**, Founder Chairman of the IGS Thiruvananthapuram Chapter, offered felicitations, and **Fr. John Varghese Palanilkunnathil**, Director, MBCET, honoured the distinguished guests for their gracious presence. The ceremony concluded with a vote of thanks by **Ms. Diana Alice Sugunan**, Asst. Prof., Dept. of CE. On this occasion, the new leadership of the IGS Thiruvananthapuram Chapter for 2025–2026 was also formally introduced. The seminar was attended by 89 participants (35 internal, 54 external), among whom 10 joined online. The programme was coordinated by **Dr. Jisha S. V.** and **Ms. Diana Alice Sugunan**. Technical Sessions: 1) **Dr. Srinivas Mantrala** (IIT Kanpur) – Geotechnical and Engineering Challenges in Chenab Bridge Construction. 2) **Prof. B. V. S. Viswanadham** (IIT Bombay) – Studies on the Performance of Geostructures Subjected to Climatic Effects in a Geotechnical Centrifuge. 3) **Prof. Ashish Juneja** (IIT Bombay) – Centrifuge Modelling of Ground Movement due to Tunnelling. 4) **Prof. Stuart Haigh** (University of

**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.



Cambridge) – Centrifuge Testing in the Mobilisable Strength Design of Retaining Walls.

The event served as an excellent platform for knowledge sharing and highlighted the vital role of physical modelling in advancing modern Geotechnical Engineering practice.

## MODEL UNITED NATIONS



The inaugural edition of MBCET-MUN was held from 19 to 21 September 2025, where the Best Delegation Award was proudly won by MBCET, the host institution. The event was inaugurated on 19 September 2025 by **John Brittas**, renowned journalist and Member of Parliament, in the presence of **Rev. Fr. John Varghese**, Director, and **Dr. S. Viswanatha Rao**, Principal. The conference featured various committees like United Nations Human Rights Council (UNHRC), All Kerala Political Party Meet (AKPPM), International Press (IP), amongst others. More than 200 participants from different colleges all over Kerala and Tamil Nadu attended the event.

## FDP ATTENDED

- **Dr. Veena Nair**, Assistant Professor, Dept. of S & H participated in a 10 day online FDP “Entrepreneurship and Experiential Learning” organised in association with VTU, BMS School of Architecture, Bangalore and Wadhvani Foundation from 11 to 14 Aug & 18 to 23 Aug 2025 (10 days).
- **Dr. Swapna P. S.**, Associate Professor, Dept of ECE participated in the two weeks Faculty Development Program on “Next Generation Wireless Communication and Energy Harvesting Technologies” jointly organized by Electronics and ICT Academy, NIT Patna, and Centurion University of Technology and Management, Paralakhemundi, Odisha under the “Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase-II)” by the Ministry of Electronics and Information Technology (MeitY), Government of India from 18 to 29 August 2025.

- **Dr. Renjini M. Nair**, **Dr. Lakshmi J. S.** and **Dr. Preethi P. C.**, Asst. Profs. (S&H) attended a Five-Day International Online Faculty Development Programme (FDP) on “Sustainable Materials and Advanced Research Technologies (SMART-2025)” organised by the PG & Research Dept. of Physics, Sacred Heart College, Thirupattur, in collaboration with the Dept. of Physics & Research Centre, Scott Christian College, Nagercoil, Tamil Nadu, from 18 to 23 September 2025.

## WORKSHOP ATTENDED

**Dr. Dishore S. V.**, Asst. Prof., EED attended a National Workshop on “Grid Power Electronics Technology”, organised by PV Research Lab, IITDM Kancheepuram, sponsored by ANRF under SSR Activity, from 19 to 20 September 2025.

## PAPER PRESENTATION

The paper titled “A Comparative Study on Machine Learning Models for Currency and Object Detection” has been accepted for presentation and publication at the IEEE International Conference on Smart and Intelligent Systems (SISCON 2025). It is authored by **Abhijith S.**, **Abhilash S.**, **Anaz Mohammed**, and **Rizwan (S7 CS2)** under the guidance of **Ms. Sreeja S. R.**, Asst. Prof., Dept. of CSE.

## SPANDANAM ACTIVITY



As part of its activities, Spandanam, the Social Service Wing of Dept. of ECE, visited Marian Play Home, Mannanthala, a school for children requiring special care, on 17 September 2025. Lunch was provided, and sweets were distributed to the students. The S3EC students engaged the children with songs, dance, and fun activities.







## PROGRAMME FOR AWARENESS OF GATE 2026



The Dept. of EEE, coordinated an awareness programme on GATE 2026, organized by IIT Madras as part of their outreach initiative. 86 students from various branches participated in the session. The event was coordinated by **Ms. Revathy K. P.** and **Ms. Parvathy**, Assistant Professors, Department of Electrical and Electronics Engineering.

## ANTI-DRUG ABUSE AWARENESS PROGRAM



On 19 September 2025, a performance focused on drug abuse awareness was held at the Open Air Theatre. A joint initiative by the Performing Arts Club and the Anti-Narcotics Cell, the event was conducted to observe National Drug Abuse Resistance Education (D.A.R.E.) Day. Through a compelling mix of dance and drama, the performers conveyed a strong message about the importance of resisting substance abuse and making positive life choices. **Sri. Y. Shibu**, Joint Excise Commissioner, Excise Crime Records Bureau, Kerala Head who was the Chief Guest for the event, addressed the students highlighting the dangers of substance abuse and encouraging them to stay committed to a healthy lifestyle.

## SITE VISIT – ST. MARY’S MALANKARA MAJOR SEMINARY



The first-year M.Tech Structural Engineering students visited St. Mary's Malankara Major Seminary on 24 September 2025 as part of their academic enrichment activities. The visit was coordinated by **Dr. S. Jayasree**, who guided the students in observing and understanding the column details and structural features of the site.

## SITE VISIT



The MBCET students chapter of ASCE, in association with CESA (Civil Engineering Students Association), organised a one-day site visit on 18 September 2025, to a warehouse in Attakulangara and a Multi-Level Car Parking (MLCP) near the rear gate of Central Railway Station, Thiruvananthapuram. The beneficiaries were S7 B.Tech Civil Engineering and M.Tech Structural Engineering students. Faculty supervisors **Dr. Jisha S. V.** and **Dr. Anupama Krishna D.** accompanied the students.

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