



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

Pi (π) is widely considered the most popular and recognized Greek letter used in mathematics and science, representing the ratio of a circle's circumference to its diameter. Key contributors to calculating and defining Pi throughout history include ancient mathematicians using geometric methods and modern experts using computational algorithms. Key figures include Archimedes, Zu Chongzhi, Leonhard Euler and many other mathematicians. Ancient India made foundational contribution to the understanding of Pi, with early approximations appearing in the Sulba Sutras (c. 600 BCE) for constructing fire altars. Notably, mathematician Aryabhata (c. 499 CE) calculated Pi as 3.1416, while the Kerala school of astronomy and mathematics, including Madhava of Sangamagrama (c. 1340–1425), developed infinite series to calculate Pi to high precision. The renowned Indian mathematician Srinivasa Ramanujan (1887–1920) developed highly efficient infinite series for calculating Pi, which are still used in modern computing. Beyond pure mathematics, Pi is indispensable for modeling waves, engineering, space navigation, and understanding natural, physical patterns in our universe. World Pi Day is celebrated annually on March 14 to honour the mathematical constant Pi. Let us be part of the celebration acknowledging the contributions by the great Scientists and Mathematicians in the advancement of Science and Technology.

Dr. S. Viswanatha Rao

SCHOLAR CONNECT SPOTLIGHT

As part of the *Scholar Connect Spotlight*, an academic interaction was held with **Ms. Sarada B. S., RIKEN, Japan** during the *National Research Conference* and the *Kerala Higher Education Expo 2026*. A strategic discussion was initiated with **Dr. Tessy Mathew**, Professor, Dept. of CSE, to explore potential opportunities for collaborative research.

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.

MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY RANKS 12TH IN KIRF 2025



MBCET has secured the **12th rank** among engineering colleges in Kerala in the Kerala Institutional Ranking Framework (KIRF) 2025.

The award was received on behalf of the institution by **Dr. Nisha G. K.**, Professor, Dept. of EEE & IQAC Coordinator, and **Ms. Sangeetha Sajeev**, Assistant Professor, Dept. of CE & Coordinator, Statutory Reports. The award was presented by **Dr. Rajan Varghese**, Member Secretary, Kerala State Higher Education Council (KSHEC) and Former Pro Vice Chancellor of Mahatma Gandhi University, during the award distribution ceremony held at Rajagiri College of Social Science, Kakkannad on 07 March 2026.

K-DISC INNOVATION DAY 2026 EV DIVISION PROGRAMME

On March 4, 2026, our team comprising **Arafan Muhammed, Jaish J. S., Karthik K., and Karthik Satheesan** of S8 EE participated in the **K-DISC Innovation Day 2026 EV Division Programme**, organized by the Kerala Development and Innovation Strategic Council (K-DISC) at the Hycinth Hotel. During the event, we had the opportunity to present our work on a Resonant Wireless Charging System for EVs, showcasing our specific approach to resonant wireless charging and dynamic charging. The Project was guided by **Dr. Nisha G. K.**, Professor, EED and **Ms. Sandhya P.**, Assistant Professor, EED.

FIRST PRIZE IN REVERSE MARKETING



A team of students comprising **Elvis Mathews Olickal** (S6 EL), **Adithya Lalit** (S6 EL), and **Joshua Sunny Ninan** (S6 CS1) secured First Prize in the event “Reverse Marketing (Pitching)” and **Elvis Mathew Olickal** won second price in Debate conducted at Mohandas College of Engineering and Technology. They were awarded a cash prize of ₹2000 for their outstanding presentation and inventive approach.

INDUSTRIAL VISIT TO LPSC, VALIYAMALA



On 06 March 2026, M.Tech students from the Structural Engineering and Transportation Engineering specializations of the Department of Civil Engineering, MBCET, visited the Liquid Propulsion Systems Centre (LPSC), Valiyamala, Kerala. A total of 22 first-year and second-year M.Tech students participated in the visit as part of the activities of the Civil Engineering Students Association (CESA). The visit was coordinated by **Dr. Jisha S. V.**, Associate Professor, and was accompanied by **Dr. Manju Dominic**, Professor and Head of the Department of Civil Engineering.

MODEL ROCKETRY WORKSHOP

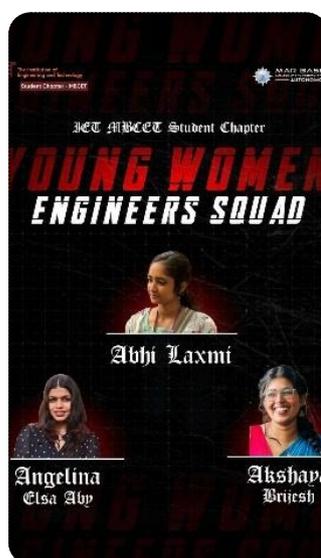
A Two-Day Hands on Model Rocketry Workshop was organized by Dept. of EEE, in association with Illumina, on 07 to 08 March 2026. The workshop was conducted by Thrust Tech India, a startup working in the field of aerospace and defense technology. 51 participants, including B.Tech, M.Tech, B.Sc, Higher Secondary students, attended the workshop. The workshop was coordinated by **Dr. Elizabeth Varghese**, HoD, EE and **Mr. Aswin R. B.**, Assistant Professor, EED from the Department of Electrical and Electronics Engineering.

WORLD PLUMBING DAY

As part of the observance of World Plumbing Day, the students of the Indian Plumbing Association (IPA) MBCET Students Chapter and THANAL, Department of Civil Engineering, in collaboration with the Indian Plumbing Association Trivandrum Chapter, organized a blood donation drive at the Regional Cancer Centre. Nine students voluntarily donated blood. The session was coordinated by **Ms. Radhika P.**, Assistant Professor, Department of Civil Engineering.

WOMEN ENGINEERS SQUAD

The IET MBCET Student Chapter proudly launched the Young Women Engineers (YWE) Squad, marking a significant step towards empowering women Engineers to lead, innovate, and inspire. The following students were selected as the Young Women Engineers (YWE) Squad of IET MBCET **Abhi Laxmi** – S4 ME, **Angelina Elsa Aby** – S2 CSE, **Akshaya Brijesh** – S2 ECE.



ONE-DAY WORKSHOP ON BIM FOR SMART CONSTRUCTION



The Civil Engineering Students Association (CESA) organized a one-day workshop on “BIM for Smart Construction” for final year B.Tech Civil Engineering students on 07 March 2026. 33 students and 5 faculty members participated in the workshop. The program was coordinated by **Dr. Jisha S. V.**, Associate Professor, Department of Civil Engineering, and BIMLABS Global conducted the sessions.

BHARAT NAV-NIRMAAN CHALLENGE



Students from S6 CE2 – **Aaliya Zuman L., Feba M. Paul, and Merin S. Raj** – participated in the **Bharat Nav-Nirmaan Challenge**, one of India's largest inter-college core Engineering competitions, organized by NICMAR University in partnership with The Times of India. The team presented their innovative idea in the city round held in Kochi on 07 March 2025.

PAPER PUBLISHED / PRESENTED

- The paper titled **“Enhancing Stroke Recovery: Rehabilitation Using MRI and Predictive Modeling”** authored by **Ms. Anna G. Samuel, Ms. Angel T. John, Ms. Anna Biju Abraham, Ms. Vismaya C. P.,** (2021 - 2025 CS2) and **Dr. Jisha John** (Professor & HoD, Dept. of CSE) is published in IEEE Xplore Digital Library in March 2026.
- A team of four students from S8 CS2 — **Ms. Ananya Pramod, Ms. Bhavana S. Moorthy, Mr. Aromal M., and Ms. Fathima Gesny** — along with **Mr. Ramjith R. P.,** Asst. Professor, Department of CSE, presented a research paper titled **“AI-Based Web Application for Early Detection and Stage Classification of Cervical Cancer”** at the **International Conference on Sustainable Development in Renewable Energy and Computing Techniques (ICSRC 2026)** organized by Mar Baselios College of Technology and Science, Kothamangalam, Ernakulam.

SERVED AS JUDGE

Dr. Anne Dickson, Associate Professor, Dept. of CSE, had officiated as External Judge of ACM Paper Presentation on 06 March, 2026 at Mohandas College of Engineering & Technology, Nedumangad, Thiruvananthapuram.

CROCHET WORKSHOP – “LET’S CROCHET & CHILL”

The Department of Civil Engineering, in association with the Civil Engineering Students Association (CESA) and the Women’s Studies Unit (WSU), organized a Crochet



Workshop titled “Let’s Crochet & Chill” as part of the International Women’s Day celebration – “Give to Gain.” The workshop was conducted on 7th March 2026 at the Civil Engineering Department, G Block. The session was handled by **Dr. Manju Dominic,** Prof. & Head of the Department of Civil Engineering.

SELECTED TO UNIVERSITY NETBALL TEAM

Mr. Dev Narayan P. (S6 CS2) got selected to Netball University Team that will participate in the All India Inter University Netball Championship at SAGE University, Indore, Madhya Pradesh from 09 to 14 March 2026.



MAR BASELIOS TROPHY 2026



Game On! The Court Awaits! The Department of Physical Education, MBCET, in association with the Excise Department of Kerala, proudly presents the 13th Mar Baselios Trophy – Invitational Basketball Tournament. Dates: 13 to 16 March 2026 Venue: MBCET Basketball Court Total Prize Pool: 50K.

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