



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

Engineers play a vital role in designing, developing and implementing innovative solutions to real-world problems. Engineers' Day in India is celebrated on 15 September every year to honour the contributions of Engineers to society. The day is observed to recognize the vital role Engineers play in shaping the Nation's future. It's an opportunity to appreciate their problem-solving skills, creativity, and dedication to innovation. Indian Engineers have made significant contributions to various fields, transforming the country's technological landscape and inspiring future generations. Sir M. Visvesvaraya, known as the father of Indian Engineering, was a renowned Civil Engineer who designed the Krishna Raja Sagar dam, Mysore and introduced Flood Management Systems in India. He was also an able administrator and Statesman. His innovative projects in irrigation and infrastructure established the groundwork for modern Engineering practices. He made significant contributions to the country's infrastructure development. After India attained independence, Visvesvaraya received the Bharat Ratna, India's highest Civilian Honour, in 1955. Engineers' day in India marks the birth anniversary of Sir M. Visvesvaraya whose contributions have had a lasting impact on India's progress.

Dr. S. Viswanatha Rao

of Education, Government of India. The event was held on 12 and 13 September 2025. 34 teams comprising 204 students, participated in the event. The judging panel included **Mr. Arun Chand**, GM & Head - Product Management and Strategy for iFlight at IBS Software; **Mr. Sarath Chandran R.**, Assistant Director, EY Global delivery service **Ms. Neeraja Anoop Sekhar**, Vulnerability Analyst, CyberProof, UST and **Mr. Sanju Mathew**, Co-Founder of Codeof duty. In addition, several alumni and previous hackathon winners attended as mentors, offering guidance and motivation to the participants. It provided an excellent platform for students to showcase their innovation, teamwork, technical expertise, and problem-solving skills. Faculty coordinators: **Ms. Prathibha S. Nair**, **Ms. Jayalekshmi J.** (Assistant Professors, CSED). Student Coordinators: **Mr. Kiran Biju S7 CS1**, **Ms. Nandini Krishna R. S. S7 CS2**, **Ms. Amanda Sheena James S7 CT**.

CIVIL ENGINEERING DEPARTMENT, AT ENGINEERS' DAY CELEBRATIONS BY EFKWA



The Civil Engineering Department of MBCET participated in the *Engineers' Day 2025* celebrations organized by the Engineers' Federation of Kerala Water Authority (EFKWA) on 17th September 2025 at Jalabhavan, Thiruvananthapuram. The event featured addresses by **Sri. P. B. Nooh IAS**, Managing Director, KWA, **Sri. M. C. Dathan**, Padma Shri Awardee and former ISRO Director, and an invited talk by **Dr. Achuthsankar** on "*Deep Tech & Engineering Excellence: Driving India's Techade*". The logo of the upcoming *Smart H₂O Hackathon*, to be organized in collaboration with EFKWA, was also unveiled, offering a platform for young engineers to develop innovative water management solutions.

CONDUCTED INTERNAL HACKATHON FOR SMART INDIA HACKATHON (SIH) 2025 - PRELIMS SELECTION

The Department of Computer Science and Engineering, in association with CSI-MBCET, ACE, and Openlabs, organized the Internal Hackathon for the selection of teams towards Preliminary Round of Smart India Hackathon (SIH) 2025



under the aegis of the Innovation Cell of the Ministry

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.

ENGINEERS DAY 2025

CESA Activities



On September 15, 2025, the Civil Engineering Students Association (CESA) celebrated Engineers Day with an Expert Talk, Quiz Competition, and Poster Presentation. **Er. Anwar Hussain** delivered an expert talk on “Retrofitting of Concrete Structures” for S5 CE1 and CE2 students. The Built-to-Quiz Competition was held sponsored by Civilians. The Poster Presentation focused on the theme “Deep Tech & Engineering Excellence: Driving India’s Techade,” featuring 6 class groups. Winners were awarded for creativity and technical content.

NSS Activities

An Essay Writing Competition was held in connection with the Engineers Day celebrations. **Samuel Mathew Cyriac** (S3CT) won the First Prize and **Riya Rachel** (S3 EC2) won the Second Prize.

UNFILTERED

An initiative to create a safe, stigma-free campus organized by ‘Let’s Live’, a youth led mental health NGO in collaboration with the District Administration was held at the College on 17 Sept 2025. The Programme was inaugurated by **Dr. Sivasakhivel** IAS, Asst. Collector, Trivandrum. Mr. Biju Rakesh, Chief Operating Officer-India, Speridian Technologies, CSR Partner Unfiltered, **Fr. John Varghese**, Director, MBCET, **Dr. S. Viswanatha Rao**, Principal, MBCET spoke on the occasion. The Programme was organized by the NSS units of the College.

TALK ON “THE POWER AND PURPOSE OF INTELLECTUAL PROPERTY RIGHTS”



The Department of Computer Science & Engineering, in association with ACE and ISTE MBCET, organized a talk session on “The Power

and Purpose of Intellectual Property Rights” on 12 September 2025 at Visvesvaraya Hall for S3 CSE and CT students as part of the course Professional Ethics. The session was led by **Mr. Anoop K. Balan**, Skill Development Executive, ASAP Kerala, and witnessed the active participation of 180 students. Faculty coordinators: **Ms. Anjali S.**, **Ms. Poorna B. R.**, and **Ms. Vijitha Robinson** (Asst.Professors, Dept. of CSE). Student Coordinators: **Ms. Gopika Harikumar** (S3 CS1), **Ms. Sariga Joseph Fredy** (S3 CS2) and **Mr. Samuel Mathew Cyriac** (S3 CT).

RADIANCE 2.0: LIGHTS, CAMERA, 2.0!



Radiance 2.0, the fresher’s event of CSI SB MBCET, organized on 13 September 2025, welcomed more than 55 first-year students with a vibrant mix of technical and non-technical activities. Faculty Coordinators: **Ms. Deepthi K. Moorthy** and **Ms. Krishna L.** (Asst. Professors, CSED).

PAPER PRESENTATION

- **Ms. Lekshmi. I.**, Assistant Professor, Dept. of S&H presented a paper on "Fuzzy Multi Criteria Decision Making in Sustainable Engineering" in International Conference on Mathematics in Technology, Industry and Finance organized by Dept. of Mathematics, Devaswom Board Pampa College, Pathanamthitta during August 26-27,2025. She has published a paper on "Empowerment of Women in Tamil Nadu Based on Fuzzy Normalized Value Based Ranking Method" in International Journal of Environmental Sciences, Vol.11, No.20S, ISSN:2229-7359,2025.
- **Dr. Nisha G. K.** (Professor, EED), **Ms. Shilpa Susan Peter**(Assistant Professor, EED), **Ms. Sandra S. R.**, **Mr. Akhil V.**, **Mr. Abhijith U** and **Mr. Ashik S. C.** (UG Scholars) presented paper titled “IoT Enabled Automatic Power Factor Correction System” in the 2nd IEEE International Conference on Circuits Power and Intelligent Systems (CCPI- 2025) organized by Silicon University, Odisha from 5 to 7 September 2025.



- **Ms. Revathy K. P., Assistant Professor, EED** presented a paper titled **"Intelligent Controller based Performance Optimization of Dual Active Bridge Converters for Electric Vehicle Charging"** in the 6th International Conference on Data Intelligence and Cognitive Informatics ICDICI-2025

FACULTY INTERACTION WITH OUTSIDE WORLD

Dr. Nisha G K (Professor, EED & IQAC Coordinator) attended the prestigious **Excellentia 2025** organized by the State Level Quality Assurance Cell (SLQAC), Department of Higher Education, Government of Kerala, at Tagore Theatre on 15 September 2025.

WORKSHOP ON CUBESAT BOOTCAMP: FROM DESIGN TO DEPLOYMENT



The Space Club of MBCET organized a one-day workshop on Cubesat Bootcamp: From Design to Deployment on 16 September 2025 at Shannon Hall. The sessions were handled by Industry Experts from Hex20, a space startup located in Technopark, Trivandrum.

FDP ATTENDED

Dr M. J. Jayashree, Dean (UG Academics) and Professor, Dept. of ECE, attended the five day online faculty development programme on **"Revolutionizing Medical Minds: Harnessing AI Tools, Emerging Trends, and Innovative Teaching Strategies"** from 9 to 13 September 2025 organized by Department of Biomedical Engineering, Sri Ramakrishna Engineering College, Coimbatore in association with biomedical engineering society of india (BMESI).

GLASS PAINTING WORKSHOP ORGANISED

IEEE MBCET EMBS WiBE (Women in Biomedical Engineering) and Assistive Technology Group, MBCET, hosted a digital detox initiative called **"Disconnect to Reconnect: Glass Painting Edition"** on 28 August 2025. The Glass Painting Workshop was mentored by **Ms. Simla Balasubramanian**,

Alumnus of MBCET, EEE Department (2009-13 batch). The event took place at Chempakassery, Trivandrum.



Nine students from various Departments and Semesters attended the event. Student coordinators: **Ms. Agila Benedict (S3 CSE)** and **Mr. Gokul Raj R. (S7 ECE)**. Faculty coordinators: **Ms. Amritha B. J.** and **Dr. Lani Rachel Mathew**, Asst. Professors, Dept. of ECE.

INDUSTRY VISIT



The Department of Electronics and Communication Engineering organized an Industrial visit on 14 August 2025 for fifth Semester students. Batch 1 students visited the Pallivasal Hydroelectric Power Project, while Batch 2 students explored the Chengulam Hydroelectric Power Project. 119 students, guided by four faculty members, actively participated in this educational trip.

SITE VISIT AT VARKALA

On 13 September 2025, S5CE1 and S5CE2 students of the Civil Engineering Department, visited the Sivagiri Convention Centre,



Varkala, as part of the DRCS course, organized in association with the Builders Association of India (BAI). Guided by **Varghese Mathew V.**, Chairman of BAI, students studied slab, beam, concealed beam, and column detailing with emphasis on reinforcement, curing, and structural stability. Accompanied by faculty members **Bindu Biju** and **Dr. Jisha S. V.**, 60 students gained practical exposure to large-span construction

SITE VISIT



As part of the S5 DRCS (Design of Reinforced Concrete Structures) course, CESA (Civil Engineering Students Association), Department of





Civil Engineering, organized a site visit to St. Mary's Malankara Major Seminary on 15 September 2025 to observe the ongoing extension work of a single-storeyed building. 62 students from S5 CE1 and CE2 attended the visit, accompanied by faculty members **Ms. Bindu Biju** and **Dr. Archana J. Satheesh**, Asst. Professors in CE

INTERNATIONAL SEMINAR AND 8TH PROF. T. S. RAMANATHA AYYAR LECTURE '25

An International Seminar on New Frontiers on Physical Modelling of Geo Technical Infrastructure Structures and 8th **Prof. T. S. Ramanatha Ayyar** Lecture 2025 was held at the College on 19 Sept 2025. **Ms. Mini Antony**, IAS (Rtd), Additional CEO KIIFB inaugurated the Programme. Resource Persons: **Dr. Srinivasa Mantrala**, Head, Fixed Infrastructure, Nacala Logistics, Mozambique, **Prof. Stuart Haigh**, Professor of Geotechnical Engineering, Cambridge University, **Dr. B. V. S. Viswanadham**, Professor in Geo Technical Engineering, IIT Bombay, and **Dr. Ashish Juneja**, Professor, Geo Technical Engineering, IIT Bombay were the Resource Persons. **Fr. John Varghese**, Director, **Dr. S. Viswanatha Rao**, Principal and **Dr. Jisha S. V.**, Head & Assoc. Prof., Dept. of Civil Engineering spoke on the occasion.

STEP AWAY: ANTI DRUG AWARENESS PROGRAMME.

The Performing Arts Club in collaboration with the Anti- Narcotics Cell of the college presented an Awareness Programme as part of the National Drug Abuse Resistance Education(DARE) Day on 19 Sept. 2025. Faculty Co-ordinator, **Ms. Akhila A. M.**, Asst. Prof. in CE,, student Co-ordinator: **Sidharth Nair**, S7 EC2.

ALUMNI ACHIEVEMENTS

Ms. Meghna R. Nair of 2020-2024 batch got admission for MS Computer Science in the University of Southern California, Los Angeles.



EVENING CAFE 3.0 WITH NIKHIL CHANDRAN

The Catalyst IEDC's Evening Café on 16th September 2025 featured **Mr. Nikhil Chandran**, Founder & CEO of TILTLABS, Technopark, who gave an engaging session on Gaming: The Scope & Breakthroughs. The talk highlighted how gaming, AR/VR, and immersive technologies are reshaping industries and creating exciting career opportunities. The interactive session was fun, inspiring, and left students with valuable insights into the future of gaming. 48 participants attended the session. Student coordinator: **Agnivesh P. S.**, S5 CS. Faculty coordinators: **Dr. Lani Rachel Mathew**, **Mr. Shiras S. N.**, Asst. Professors, ECE.

HATTRICK WIN!

Our Kabaddi Women's Team emerged Third Time winners of the APJ AKTU A- Zone Inter Collegiate Kabaddi Championship held at VKCET, Parippally on 18 Sept. 2025.



NEW PLACEMENT OFFICER

Ms. Sumitra K., M.Tech has assumed charge as the new Placement Officer since 15 September 2025.



PLACEMENT UPDATES

KRISHNA PRASANTH CSE	AYNAMATHIMA CT	AFRINA FAROOK CT
NANDANA D CSE	ABHINAV DEV V M CSE	NANDANA ANAND P CSE

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