



MBCET e-bulletin

MAR BASELIOS
COLLEGE OF ENGINEERING AND TECHNOLOGY
— AUTONOMOUS —

Accredited by NAAC with A Grade . Five B.Tech programmes accredited by NBA since 2016

Principal's Message



In the age of technology, master/slave is a model of communication for hardware devices. Human relationships were also defined in the olden days using such communication structures. There is an anecdote pertaining to such a master-servant human pair. The servant never had the time to take a good bath; He could only take a quick dip in the river in the late evening once a week. The master was meticulous in life including two baths, one in the morning and one in the evening. The servant once asked the master about the troubles of his unbearable itching after every bath. The master explained how comfortable he was because of the proper bathing. When we do things in a half-hearted manner we will not be able to enjoy the activity but rather we will remain desperate, leaving behind the travails of itching in the mind. The same is true with training also. It is with that context of necessitating deeper learning experience that we try new teaching methods to make the learning experiential. Kolb's experiential learning cycle concept divides the learning process into a cycle of four basic theoretical components: concrete experience, reflective observation, abstract conceptualization, and active experimentation (<https://practera.com/>) The experiential learning involves the transformation of experience into effective learning. Hackathons are intended to open up the challenges and make the student try the possible solutions, mostly as a team. Many hackathons are round the corner. Let the students utilize the chance to the best possible extent.

Dr. Abraham T Mathew

Smart India Hackathon 2023
Prelims at MBCET
31 Teams participated
Date: 27 September 2023

MBCET Student Induction Programme 2023

This year, The College conducted a two-weeks long SIP, in tune with the AICTE's guidelines, during 9 to 25 September 2023.

The ceremonial initiation of the freshers, namely 'PARODOS' was conducted on 9th September 2023. **His Excellency Most Rev. Dr. Antony Mar Sylvanos** of the Syro Malankara Catholic Church gave the benedictory address. **Shri Ramesh Miraje**, Divisional General Manager of Nissan Digital India LLP of the Nissan Motor Corporation was the Chief Guest and **Shri Christo George**, Founder Chairman and Managing Director of Hykon India Pvt Ltd was the Guest of Honour for the PARODOS function. Newly admitted students and their parents had a rich experience of the solemn function of PARODOS.

Four plenary talk sessions were arranged as detailed below:

- i. 11 September: **Shri Rishiraj Singh IPS**, former DGP delivered an expert talk on 'Anti-narcotics',
- ii. 12 September: **Mr. Yethy Prakash** Senior Civil Police Officer delivered a talk on 'Road safety and Traffic Rules',
- iii. 13 September: **Prof. Gibi Geevarghese**, retired Principal Mar Theophilos Training College conducted a motivational session
- iv. 14 September **Mr. Vipin Bhaskar**, Civil Police Officer addressed the students on Cyber Security.

Sandwich sessions on Mathematics, Physics, Programming Skills and English were conducted during these days as bridge courses, using a special timetable. Introduction to

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.

Engineering Graphics and Engineering Mechanics were also given to make the student feel relaxed. In addition, Sports sessions, visit to the Central Library Facility, Department level orientation, Campus tour, etc. were also conducted. Finally, a Diagnostic Test was conducted to evaluate the entry-level knowledge of the students in Mathematics, Physics, Chemistry and General Knowledge. The Topper will be presented with the Young Wizard awards later.

Nalla Olam Reel Contest

Bharath Raj K. R. (S5 EC1), member of FRAMES-MBCET Photography Club won the Reliance Trends Onam Nalla Olam Reel Contest. He won a gift card worth Rs.2000/- for the reel of Onam Celebrations at MBCET which was posted on the official Instagram page of our College.

Illumina Hangoutz 2023



On 19 and 20 September 2023, the Association of the Department of Electrical & Electronics Engineering, Illumina, welcomed the freshers of 2023-27 batch with colourful events as a part of Hangoutz 2023.

Industry Electives for M.Tech 2022-2024 Batch

M.Tech CSE: Course Faculty was from M/s Centre for Development of Advanced Computing (CDAC) Trivandrum.

M.Tech Structural Engineering: Course Faculty was from M/s Asia Infrastructure Advisory Service Pvt Ltd. Bengaluru.

M.Tech Transportation Engineering: Course Faculty was from M/S Cube Highways and Transportation Asset Advisor Pvt Ltd. Hyderabad.

Universal Human Values



Dr. Ushakumari S., Dean, Corporate Relations, and Professor, EED will be the Resource person for the FDP on Universal Human Values, organised by NCCIP AICTE, for preparation of faculty for teaching UHV at KMEA Engineering College, Ernakulam from 5 to 7 October 2023.

Online Certification Course

The Dept. of EEE in association with Energy Management Centre, Kerala organized an EMC Online Certification Programme on 'Recent Trends in Sustainable Energy Management Practices' during September 2023. The programme was coordinated by **Ms. Vandana P.** and **Mr. Aswin R B**, Asst. Professors, EED. The fifth session was conducted on 25 September 2023, on the topic 'Energy Auditing'. The resource person was **Mr. Suresh Babu B V**, Accredited Energy Auditor.

Paper Presentation

Ms. Lekshmi Chandran M. of Civil Engineering Department, presented a paper in the 8th International Conference on Engineering Research and Innovations, Terna Engineering College, Nerul, Mumbai India on 22 September 2023 in Virtual mode.

Training Programme for SPSS



A full day Training Programme on SPSS software was coordinated by **Dr. Elizabeth C. Kuruvilla**, Professor Civil Engineering department on 13 September 2023. Faculty Members and M.Tech Transportation Engineering students from Civil Engineering Department attended the training. The session was taken by the trainer from SPSS South Asia Private Ltd. SPSS is a software that can be used for Statistical Analysis and Modelling. College has recently procured 10 Licences of SPSS.

Attended IEEE Event



Dr. Jisha John (HoD, Dept. of CSE), Dr. Tessy Mathew (Professor, Dept. of CSE), Dr. Veena Nair (Asst. Professor, Dept. of S&H), Mr. Binu K. John (Librarian) attended the 'Empowering Engineering Education: The Role of IEEE Content' event at Vivanta Thiruvananthapuram on 14 September 2023 organized by IEEE EBSCO.

Orientation Session for Newly Joined Faculty Members



An orientation session was organized by TLC, for the newly joined faculty members on 20th September 2023.

Reviewer

Bobin Saji George, AP ME, served as Program Committee member and Reviewer for 2nd International Conference on Advances in Data-driven Computing and Intelligent Systems (ADCIS 2023) organised by BITS Pilani, K K Birla Goa Campus and National Forensic Sciences University, Goa during September 21-23, 2023. The conference proceedings are scheduled to be published in Scopus indexed Springer Book Series, 'Lecture Notes in Networks and Systems'.

There is an intimate and necessary relation between the process of actual experience and education. ~ John Dewey, 1938

Paper Publication

Ms. Devi Priya V S, Mr. Sibi Chakkavarthy Sethuraman and Mr. Muhammad Khurram Khan, published a paper titled "Container Security: Precaution levels, Mitigation Strategies, and Research Perspectives" in the journal Computers & Security, 2023.

Expert Talk on Tour To The Future



An expert talk on Bloombloom's 'Tour To The Future', in collaboration with the Kerala Knowledge Economy Mission and Technopark was conducted on 26 September 2023, organized by the Department of Computer Science and Engineering. The resource person was **Mr. Ashwil J S**, Data Integration Specialist, Machine Learning & NLP Practitioner. The talk was all about how to connect with Industry Experts and to gain invaluable insights into the ever-changing world and understand the skills one need to thrive in the career after graduation. He also pointed out how to align the education with industry demands. More than 100 participants from fifth semester CSE attended the session. Faculty coordinator: **Ms . Sreeja S R** (Asst. Professor, CSED)

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