



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.

BCET
Bulletin

@officialmbcet



PRINCIPAL'S MESSAGE

Global warming is a matter of great concern as it has become a major force in disrupting the balance in nature. The Paris Agreement, an international treaty on climate change arrived at by 196 countries at the UN Climate Change Conference (COP21) in Paris on 12 December 2015, is intended at addressing the issue of global warming. The overarching goal of the agreement is to keep the increase in the global average temperature to well below 2°C above pre-industrial levels and pursue efforts to limit the temperature increase to 1.5°C above pre-industrial levels. Net zero is an important and critical requirement towards achieving this goal, in order to avert the worst impacts of climate change by cutting carbon emissions to a small amount of residual emissions that can be absorbed and durably stored by Nature and other carbon dioxide removal measures, leaving zero in the atmosphere. Around three-quarters of greenhouse gas emissions today is produced by the energy sector. Hence a conscious and continued effort in this sector becomes critical to combat the worst effects of climate change. It is a known fact that replacing polluting coal, gas and oil-fired power with energy from renewable sources, such as wind or solar, would reduce carbon emissions to a great extent. We often come across terms such as green energy, clean energy and renewable energy. Though they have slightly different meanings they all contribute to the common cause of generating electricity in order to phase out the use of fossil fuels, like coal and gas, which are a key cause of climate change. Let us all play a role towards this noble cause.

Dr. S. Viswanatha Rao

STUDENT ACHIEVEMENT

Abhav R. Nair, Student, S3EL was selected as Chair at TMUN 2024 (Tomorrow Model United Nations) in the committee ECOFIN.



SKILL DEVELOPMENT PROGRAMME

The Department of Civil Engineering organised a 5 day Skill Development Programme on "Building Information Modeling" by Bimlabs Engineering Services Pvt. Ltd. for the Fifth and Seventh Semester B.Tech students from 8 to 12 July 2024. The Faculty coordinators were **Mr. Sijo M. Saji** and **Ms. Indhu Luke**, Assistant Professors, CE department.



INTEL UNNATI TOOL KIT TRAINING



A five-day Intel Unnati Tool Kit Training (O Level Certification) was conducted from 8 to 12 July 2024 at the Intel Unnati Data Centric Lab. The session was handled and coordinated by **Dr. Swapna P. S.**, Associate Professor, ECE and **Mr. Jijo Jose**, Assistant Professor, ECE.

FDP BY MATHWORKS

As part of campus wide MatLab license, Mathworks conducted a 3 days Faculty Training on UAV from 9 to 12 July 2024. 20 Faculty Members from various Departments participated in this event. **Mr. Venkatesan Seetharaman**, Sr. Engr, Mathworks was the resource person. The FDP was organized by the Dept. of ECE.

KSCSTE - IPRICK - SANCTION ORDER FOR WORKSHOP ON IPR

KSCSTE - IPRICK has issued a Sanction Order for a grant of Rs. 10,000/- to the college for conducting a Workshop on IPR. **Dr. Lani Rachel Mathew**, Asst. Professor, ECED, will be the faculty coordinator.

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.



TLC WORKSHOP

The Teaching Learning Centre of the College conducted a one-day workshop on 10 July 2024 for Deans, HoDs, and Senior Faculty Members



of the college. Around 35 faculty members participated in the workshop. Theme: Envisioning MBCET as a learning organization. Resource Person: **Dr. C. Thomas Abraham**, Founder, Butterfly Foundation.

ASSISTIVE TECHNOLOGY INTERNSHIP PROGRAMME



A two week internship on Assistive Technology was conducted by the Assistive Technology group in association with IEEE EMBS Kerala Chapter and EMBS Student Chapter at MBCET from 1 to 12 July in which 32 students participated from all branches. Site visits were organised to NISH, SCTIMST, Pallium India and Vocational Rehabilitation Center. **Mr. P. Balaraman** from Jyothirgamaya Institute and our Alumnus, **Ms. Simla Balasubramaniyan** (2013), **Ms. Janet Kurien** (Engineer, Acsia Technologies), **Mr. Vishnu P. Kumar** (Co founder & CTO at Unibotix Innovations), **Mr. Akshay R. Nair**, **Ms. Vaishnavi Vinod** and **Mr. Arevind Mohan** (2024), **Ms. Gowri Krishnan L.**, **Ms Parvathy A.** (2024) and our faculties, **Dr. M. J. Jayashree**, **Dr. Lani Rachel Mathew**, **Mr. Jijo Jose**, **Mr. M. G. Sreekumar**, **Ms. Merin Philip** and **Ms. Amritha B. J.** contributed in the completion of this internship which was coordinated by **Dr Alice Thomas** and **Mr. Aswin R.B.**

FDP ATTENDED

- Dr. Nisha G. K.**, Professor, EED, **Ms. Surasmi N. L.** and **Mr. Anil J.** Assistant Professors, EED attended a Seminar on the topic "Hydrogen Energy for Sustainable Future" organized by the Department of Electrical and Electronics Engineering, MES College of Engineering, Kuttipuram from 8 to 12 July 2024
- Ms. Lino Zachariah** & **Ms. Deepthi K. Moorthy** (Assistant Professors, Dept. of CSE) attended the one week online Faculty Development Programme on "Generative AI Models for Engineering Applications" organized by Dept of CSE, Thiagarajar College of Engineering, Madurai from 1 to 6 July 2024.

SKILL DEVELOPMENT TRAINING PROGRAM

Dr. Soumya A. V., Assistant Professor, EED and **Dr. Nidhi M. B.**, Associate Professor, MED completed the Skill Development Training Programme on "IOT in Expert System" from 16 Dec. 2023 to 11 Feb. 2024 under joint venture of ISTE and BNY Mellon.

COURSE COMPLETED

Dr. Jesna Mohan, Associate Professor, Dept. of Computer Science & Engineering, completed the 'Artificial Intelligence Foundation Certification' of Infosys Springboard.

PAPER PUBLICATION

Dr. Tessa Mathew, **Dr. Jesna Mohan**, **Dr. Jisha John**, **Ms. P. L. Deepa**, **Dr. Sanjeev V. Thomas** published a book chapter titled "Malformation Risk Prediction with Machine Learning Modelling for Pregnant Women with Epilepsy" in Computational Intelligence for Oncology and Neurological Disorders by Taylor and Francis Group.

POST GRADUATE PROGRAMME (FACULTY)

Mr. Midhun G., Assistant Professor, EED, completed Post Graduate Program in association with Great Lakes Institute of learning on Topic "Electric Vehicle Technology" with Excellent Grade.



MBCETAA NEW OFFICE BEARERS

The Third Annual General Meeting of the Mar Baselios College of Engineering and Technology (MBCET) Alumni Association was held on 12 July 2024. The new Office Bearers for 2024-25 include **Dr. S. Viswanatha Rao** Principal, President, **Fr. John Varghese** Director, Executive Member, **Ms. Seena G.** Secretary, **Mr. Benjamin Mathews Abraham** Vice President, **Mr. Abhijith R. P.** Joint Secretary, **Mr. Midhun G.** Treasurer, and Executive Members **Mr. Niraj Nirmal** and **Mr. Amith Ravisankar**. **Mr. Bobin Saji George** was elected as the internal auditor. During the meeting, Placement Officer **Mr. Abel George** sought alumni support to enhance placement and internship opportunities for current students.





ADMISSIONS 2024



MAR BASELIOS

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous College affiliated to APJ Abdul Kalam Technological University)

Code
MBT

NBA Accredited Programmes

B.Tech Civil Engineering.	120 seats
B.Tech Computer Science and Engineering.	120 seats
B.Tech Electronics and Communication Engineering.	120 seats
B.Tech Electrical and Electronics 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 Power Control and Drives.	09 seats
M.Tech Structural Engineering.	18 seats
M.Tech Telecommunication Engineering.	18 seats
M.Tech Transportation Engineering.	18 seats
M.Tech Environmental Science and Engineering.	18 seats
Ph.D in all branches.	

New B.Tech Programmes started in 2022

B.Tech Computer Science and Engineering(Artificial Intelligence).	60 seats
B.Tech Electrical and Computer Engineering.	60 seats

General Enquiry

7012025625 / 9447405869

0471-2545868

NRI Admission

9447211341

Contact
Numbers
for
Admissions

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



MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY

Mar Ivanios Vidyannagar, Nalanchira, Thiruvananthapuram-695015, Kerala

(Managed by Malankara Catholic Educational Society of the Archdiocese of Trivandrum)

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