



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

A good archer is not known by his arrows but by his aim. **Thomas Fuller**

This is true for Engineering education too. The tools and the infrastructure add to only the collections in the quiver. For example, the outcome-based education (OBE) emphasizes on the outcomes. It begins with the specification of the vision. The measure of success for the Institution is indicated by the attainment level of the outcome towards the direction of attainment of the vision. The goodness of fit in OBE is thus the closeness of the attainment to the vision and the accreditation becomes a quality parameter. The methodology for accreditation is getting changed in the Indian context this year. The Government is introducing new criteria and new classifications. Let us hope that the process will still uphold the basic philosophy of assessment that can show the quality of education.

Our first B.Tech batch under autonomy has completed the classes in April this year and is about to graduate. They had a bumpy start in 2020 because of the lockdown. They were attending online classes for almost two years. The College has also given emphasis for skills as required in the modern job market. The handholding shall continue as much as possible. We wish success and prosperity for our graduating students.

Dr. Abraham T. Mathew

OFFROADS 2024

OFFROADS'24, the prestigious Auto-show organised by Automata in association with the Department of Mechanical Engineering, was held on 20 April 2024 (Saturday) at the College premises. The event was inaugurated by **H. H. Prince Avittom Thirunnal Aditya Varma** in the presence of **Rev. Fr. John Varghese**, Bursar, **Rev. Fr. Thomas Mukalumpurathu**, Asst Bursar, **Dr Abraham T. Mathew**, Principal, **Dr. S. Viswanatha Rao**, Vice Principal and **Dr. Remil George Thomas**, HoD, MED and student convenors. The autoshow featured 50+ cars and bikes from various segments. It also had automobile exhibitions, events like open mic, stand-up comedy, food stalls etc. Faculty coordinators of the show: **Mr. Ayswer A. S.**, **Mr. Ajeesh M. V.** Asst Professors, MED. *See Page 4 for Photos*

DEFINE HACK



The Dept. of CSE organized Define Hack - a 24 hour Hackathon as part of Hash 2024, the inter-collegiate Technical Fest. The event was conducted on 20 and 21 April 2024 which helped to provide opportunities for the students to come up with their innovative ideas. 136 participants from various colleges, within and outside Kerala participated. Winners were selected by the judges who come from reputed companies like Google, TCS, Certa, Hubble Bubble, Unibotix Innovations, H&R Block and Qburst. The title sponsors were M/s UST. MBCETAA (Mar Baselios Alumni Association), Devfolio, Polygon, Wolfram Language, Hover Robotics and Polygon supported. Student Co-ordinator: **Neha Elizabeth Syam** Faculty co-ordinators: **Dr. Tessy Mathew** and **Dr. Anne Dickson**.

PATENT SECURED

Dr. Neena Raj N. R. (Assistant Professor, Department of CSE) and **Dr. Shreelekshmi R.**, SPFU Director, DTE secured patent for their invention "Method and User Terminal for Determining Authenticity of Image Data".



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.



FDP ATTENDED

Ms. Gayathri K. S. and **Ms. Jisha Jose**, Assistant Professors, Department of CSE participated in the Five day online Faculty Development Program on “Unleashing AI: A Roadway to Intelligent Future”, organised by the Department of CSE, College of Engineering, Perumon from 01 to 05 April 2024.

ATTENDED THE INTERNATIONAL CONCLAVE

Dr. Tessa Mathew (Professor), **Dr. Jesna Mohan** (Associate Professor), **Ms. Poorna B. R.** and **Ms. Vijitha Robinson** (Assistant Professors), Department of Computer Science and Engineering, attended the International Conclave on AI and Robotics for Enabling Healthcare Singularity held on 21 April 2024 in Thiruvananthapuram.

WORKSHOP ATTENDED BY FACULTY

Dr. Dishore S. V., Assistant Professor, EED participated in the SPARC sponsored workshop on “Renewable Energy based Electric Vehicle Technology” conducted at National Institute of Technology Tiruchirappalli during 11th – 15th March 2024.

PAPER PRESENTATIONS

Ms. Surasmi N. L., Assistant Professor, EED presented paper in 2024 International Conference on E-Mobility, Power Control and Smart Systems (ICEMPS 2024) at Mar Baselios College of Engineering and Technology.

Rahul R. S. of 2019- 2023 B. Tech. batch presented a paper in 2024 International Conference on E-Mobility, Power Control and Smart Systems (ICEMPS 2024) at Mar Baselios College of Engineering and Technology. The paper was co-authored by **Ms. Surasmi N. L.** (Assistant Professor, EED), **Anjana S.**, **Titto S. Babu** and **Vignesh S. S.**

IEEE PES ACTIVITY

In association with PES Day 2024, IEEE PES SB MBCET conducted an insightful online lecture program on 23 April 2024, focusing on the advancement of e-Mobility. **Dr. Manoharan J.**, Head of the E-Mobility Division at ANERT, was the Resource Person.



INDUSTRIAL VISIT TO STATE SOIL MUSEUM AND SOIL INFORMATION CENTER



The Department of Civil Engineering in association with IGS MBCET Student Chapter conducted an industrial visit to the State Soil Museum and Soil Information Center, Parottukonam, Thiruvananthapuram. Students of S4 class were able to visit the display of soil monoliths of the benchmark soils of all districts of Kerala, rocks and minerals samples of the state, watershed model and models of different soil and water conservation structures etc. Co-ordinators: Faculties of the department **Ms. Rintu Johnson** and **Ms. Radhika P.** coordinated the visit and **Ms. Diana Alice Sugunan** and **Dr. Alice Thomas** accompanied the students.

POSTER PRESENTATION

Ms. Angel T. John, **Ms. Anna Biju Abraham**, **Ms. Anna G. Samuel**, **Ms. Vismaya C. P.** (S6 CS2) & **Dr. Jisha John**, (Professor), Department of CSE, presented the poster titled “Enhancing Stroke Recovery: Rehabilitation with MRI & Predictive Modelling” at the International Conclave on AI and Robotics for Enabling Healthcare Singularity held on 21 April 2024 at Thiruvananthapuram.

BASELIAN VOLLEY CUP 2024



The Fifth edition of the All Kerala Inter Collegiate Volleyball Tournament “Baselian Volley Cup - 2024” concluded with a thrilling 3 set match. FISAT Angamali lifted the Cup by 2/1. MBCET Team came second and VKCET finished Third. **Fr. Thomas Mukulampurath** gave away the trophies to the winners.

ICEMPS 2024

The 2024 International Conference on E-Mobility, Power Control and Smart Systems (ICEMPS 2024), technically co-sponsored by IEEE Kerala Section and co-sponsored by APJ Abdul Kalam Technological University and MBCET Alumni Association was conducted on 18, 19 and 20 April 2024. The Conference was organized by the Department of Electrical and Electronics Engineering. Out of the 423 papers received, 112 papers were accepted.

Paper submissions:

From abroad: USA-21, China-104, Malaysia-11, Europe-2, Singapore-2, Indonesia-1, Oman-3, Philippines-1

From India: Kerala-56, Tamil Nadu-54, Telengana-5, Andhra Pradesh-19, Maharashtra-33, Karnataka-8, Delhi-3, Punjab-97, Kharkand-2, Haryana-1

Keynote address: 1) **Mr. Pradeep Kumar Keloth**, Principal Advisor, Emerging Technology Topics at L&T EduTech and Former Head of Engineering, Robert Bosch. Topic: "System Engineering Approach to Electric Vehicle Design". 2) **Dr. Kapil Kumar Sharma**, Scientist/Engineer at VSSC. Topic: "Attitude Control of Launch Vehicle" 3) **Dr. Kumaravel S.**, Associate Professor, NIT Calicut. Topic "Advancements and Challenges in DC-DC Converter Technologies: Powering the Future"

Tutorial Sessions, 1) "Computer vision for Intelligent Robotics: Opportunities and Challenges", by **Dr. Deepak Mishra**, Professor, IIST. 2) "Electric Vehicle and scope of EV in India" by **Ms. Megha Thomas V.**, Senior Engineer, Tata Elxsi.

The Valedictory address was delivered by **Ms. Anu Kumari IAS**, Director, Kerala State IT Mission. **Dr Biju K.** Secretary IEEE Kerala Section and Member ICEMPS Advisory Committee and **Dr Shyni G.**, Principal GEC Barton Hill and Member CAB of IEEE Kerala Section were the Guests of Honour. **Rev. Fr. John Varghese** presided over the Valedictory function.

We gratefully acknowledge the sponsorship from IEEE through the IEEE Kerala Section, the APJ Abdul Kalam Technological University and the MBCET Alumni Association.





OFFROADS 2024



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