



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



Computer Aided Design or CAD for short has been a tool which started replacing the manual drawing over these years. Previously, there were skilled draughtsmen who

would be converting the sketches of Engineers into scaled drawings on drawing sheets or tracing sheets which would be copied on to a special paper using a copying technology using ammonia. The sheets obtained were known as blueprints because of the typical colour of the drawings. The entire analysis of the design was done by manual calculations through a very laborious process. The beauty of Engineering drawing is that it can easily communicate the details very precisely. Of course, one should know the code of practice. With the advent of CAD, the scenario got changed drastically and we have the tools through which we can draw three-dimensional Engineering drawings, and also conduct very detailed Engineering analysis as well. The interesting fact is that the relevance of Engineering drawing has not diminished to any extent but the entire realm got changed to a new world of Information Technology. Since human draughting is time consuming and labour intensive the attempt has been to make the draughting and analysis tools much advanced and sophisticated so that generative designs can be obtained using artificial intelligence. Still, we have to understand that the Engineering drawing as a “language for communication for Engineers” is not losing its relevance, even though majority of the Engineering fraternity shy away from learning this skill. Let us know the importance of Engineering drawing.

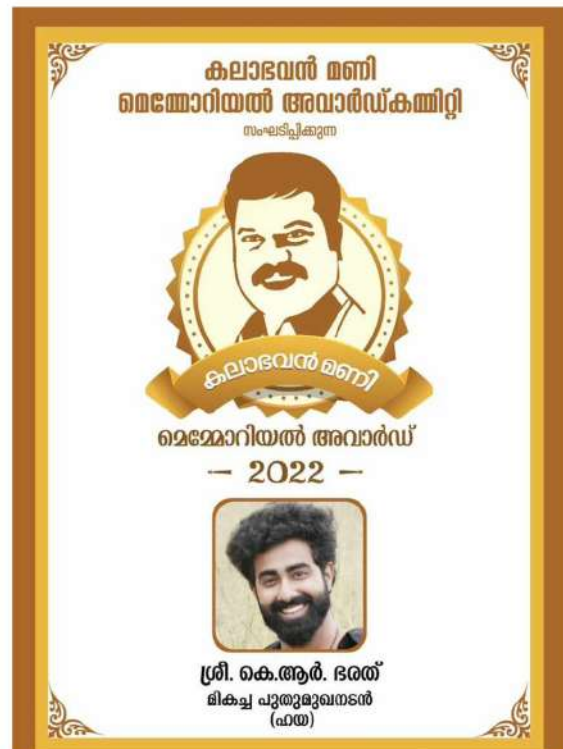
Dr. Abraham T Mathew

ISTE Kerala Section Special Appreciation Award

Ms. Asha S., (Asso. Prof., Dept. of Computer Science and Engineering) has been chosen for the ISTE Kerala section Special Appreciation Award for her valuable contributions.



Kalabhavan Mani Award Winner



Bharath K. R won the Kalabhavan Mani Memorial Award 2022 for the Best Newcomer Actor for his Film 'Haya'. He was a member of FRAMES-MBCET Photography Club, an alumnus of Dept. of ME (2017-21).

New Head of Department



Dr. Elizabeth Varghese assumed charge as the Head of the Department of Electrical and Electronics Engineering on 1 November 2023.

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.

Keraleeyam

One of the projects of EEE 2023 pass-out batch, entitled 'Multi Purpose RFID Tag (M-TAG)' was exhibited on 2 November 2023 at the KTU Exhibition stall for Keraleeyam, organized by the Government of Kerala. The group members : **Ms. Arya A, Ms. Greeshma D G, Ms. Jeenu L Jose, Mr. Rohith U Nair** and **Mr. Laby Mathew Ninan**. The project was guided by **Dr. Sheryl Arulini A.** and **Ms. Neetha Chandran**, Asst. Professors, EED.

GATE 2024

An online orientation session targeting GATE 2024 for S7 students inside and outside campus, was organised by EEE department on 7 September 2023. The session was handled by **Mr. Unni R.**, Freelance educator at Unacademy and Entri apps. More than 30 students participated in the event. Coordinators: **Ms. Revathy K P** and **Ms. Amala Justin**, Asst. Professors, EED.

Papers Presented

The following papers from the ME Department were presented at 15th International Symposium on Experimental and Computational Aerothermodynamics of Internal Flows (ISAIF 2023), held at IIT Madras from 24 to 27 October 2023. All papers are products of UG dissertation/project of MED.

'Numerical Study On Flow Oscillation Suppression Mechanism When Supersonic Flow Passes Open Cavities', Mahadev A K, Milan A, Abhijith T, Anjith S, **K Muraleedharan Nair**, of MED.

'Computational Study on The Effect Of Slot Span On Wing Performance of a NACA4412 Airfoil'. Arghya P.S., Ananthan A, **K Muraleedharan Nair**, of MED.

'Effect of shockwaves on supersonic film cooling with rectangular and triangular slotted wall', Anjan R Nair, **Melvin Jacob**, Arghya P.S, Ananthan A, of MED.

'Numerical Investigation on Novel Scramjet Design for Optimizing Flow Characteristics', Shalom B Varghese, **Bobin Saji George**, Mohamed Safan, Anston Nixon, Alen Sunny, of MED.

Circuitrix 1.0

The second session of Circuitrix 1.0 programme was conducted in Hybrid mode on 26 October 2023. The Resource Person was **Mr. Ajeesh A**, Scientist E, Joint Director, CDAC. Coordinated by EED.

EMC Certification Programme

The Dept. of EEE in association with Energy Management Centre, Kerala organized an Online Certification Programme on 'Recent Trends in Sustainable Energy Management Practices' during September 2023. The last session of the programme was handled by **Mr. Aswin R B**, Asst. Prof., EED, on the topic 'Electrical design aspects in Domestic installations' on 30 October 2023. Coordinators: **Ms. Vandana P.** and **Mr. Aswin R B**, Asst.

Faculty as Resource Person



Ms. Dhanya L K, Asst. Prof., Dept. of CSE, served as the Resource Person for the 2-day workshop on Machine Learning

Using Python, for the S3 and S1 BCA Students at Christ College, Vizhinjam, on the 18 and 19 October 2023.

Dr. Neena Raj N R, Asst. Prof., Dept. of CSE served as resource person for the workshop on 'Let's Learn LaTeX' organized by Dept. of Computer Applications Christ College, Vizhinjam on 25 October 2023.

IEEE PES

IEEE PES MBCET conducted an online session for MBA aspirants, Cracking CAT, an insight and motivation to delve into the world of CAT (Common Admission Test) and how to master it on 27 October 2023. The Resource Person was **Mr. Allen Thomas**, Aptitude trainer/GD & PI Trainer/-Mentor and Counselor.

Kabaddi (Women) Champions



Our Women's Kabaddi Team lifted the Winners Kabaddi A - Zone Championship Trophy held at VKCET, Paripally on 28 October

Shuttle Badminton (Men) Runner-up



The Shuttle Badminton Men Team became the Second runner-up in the A Zone Shuttle Badminton Championship held at Toss Academy, Manacadu

Kabadi (Men) Team



MBCET Kabaddi Men Team secured the third position in the A -Zone Inter Collegiate Kabaddi Championship held at VKCET, Paripally. Also, three of our students got selected to participate in the selection process to constitute the KTU Kabaddi team.

Basketball (Men) Champions



Men's Basketball Team lifted the A Zone Basketball Championship Trophy held at Mohandas Engineering College, Anad by defeating CET.

Basketball (A Zone) Best Player



A Zone Men Basketball Tournament Best Player: **Ryan Mathew** Mar Baselios college.

IET PATW

The PATW 2023 College Heats, organized by the IET MBCET On Campus Chapter on 27 October 2023, had Dr. Shobha Theresa George, Mr. Jijo Jose, Dr. Lani Rachel Mathew, and Mr. Jobby Johnson as judges.

Over 12 students participated, and **Anand Pillai (S3CS2)** and **Abhilash George (S5EC2)** emerged as the winners.



NSS

As part of National Unity Day NSS units 230 and 706 of MBCET celebrated National Unity Day, on 31 October 2023. **Dr. Abraham T Mathew**, Principal hoisted the National flag and delivered the speech. Coordinators: **Ms. Revathy K P** Asst. Prof., EEE and **Mr. Praveen J.S.** Asst. Prof. CSE. Around 25 volunteers were present for the event.

Thanal Activity



Thanal the Social Service Wing of Dept. of CE made a visit to CH Mohammed Koya Memorial State Institute for the Mentally Challenged on 20 October 2023 and handed over 25 Bedsheets to the inmates. 18 students of S7 CE and 4 Faculty Members of the Department took part in the activity.

Conference Session Chair

Dr. Jayakumari J, HOD, Dept. of ECE, chaired a technical session 'Electronic Device Design, Functional Simulation and Performance Analysis' on 30 October 2023 in the 5th International Conference on Circuits and Systems sponsored by University of Electronic Science and Technology, China and IEEE Chengdu CEDA hosted by Yangtze Delta Region Institute, China. She delivered an invited talk also in the Conference online.

Certificate of Appreciation

Ms. Deepa P.L., Asst. Prof., Dept. of ECE, was awarded the Certificate of Appreciation for the Malayalam translation of the course 'Engineering Mechanics' offered by IIT Madras on NPTEL.

Faculty Orientation Session



The 'Recharge your Bounce-back Persona' session organized by TLC MBCET, which took place on 20 October 2023. Resource Person: Ms. Dainu Kuruvilla, HR Manager at Tata Elxsi.

Managing Editor: Rev. Fr. John Varghese Palanilkkunnathil, Bursar
email: bursar@mbcet.org

Editor : Dr. George Zacharia, Dean (Student Affairs)

Visit of Expert



Expert Visit: Dr. (Fr.) John Neelankavil CMI, Librarian & Faculty, DVK Pontifical Athenaeum, Dharmaram, Bengaluru (Library Planning Expert) visited MBCET Library on 21 October 2023. He interacted with Dr. Abraham T Mathew, Principal, Dr. Vishwanatha Rao, Vice-Principal, Fr. Thomas Mukalumpurathu, Asst. Bursar, Dr. Muraleedharan Nair, Dean and Chairman, Library Committee and Librarian, Mr. Binu K John regarding modernization and space management of the College's Central Library "NALANDA".

Upcoming Conference - ICEMPS 2024

INTERNATIONAL CONFERENCE ON E-MOBILITY, POWER CONTROL AND SMART SYSTEMS (ICEMPS 2024)
18-20 April 2024
@ Mar Baselios College of Engineering & Technology, Thiruvananthapuram, Kerala, India
Technically Co-sponsored by IEEE KERALA SECTION
CALL FOR PAPERS

TRACKS

Modern and Advanced Control Strategies	Registration fee	Professionals	Students
Robotics and Industrial Automation	IEEE Members	IEEE Members	IEEE Members
Computational Intelligence	Non-IEEE Members	Non-IEEE Members	Non-IEEE Members
Power Systems and Power Electronic Circuits	Conference only	7500 INR/ 200 USD**	6500 INR/ 150 USD**
E-Mobility	Tutorial only	1000 INR/ 50 USD**	750 INR/ 40 USD**
Aerospace	Conference + Tutorial	8000 INR/ 225 USD**	6750 INR/ 175 USD**
	Indian non-author attendee	4000 INR*	4000 INR*
	Additional rate/paper	2000 INR/ 50 USD**	2000 INR/ 50 USD**

REGISTRATION

	Professionals	Students
	IEEE Members	IEEE Members
	Non-IEEE Members	Non-IEEE Members
	7500 INR/ 200 USD**	6500 INR/ 150 USD**
	1000 INR/ 50 USD**	750 INR/ 40 USD**
	8000 INR/ 225 USD**	6750 INR/ 175 USD**
	4000 INR*	4000 INR*
	2000 INR/ 50 USD**	2000 INR/ 50 USD**

All presented papers will be forwarded for the inclusion in IEEE Xplore.

PAPER SUBMISSION LINK: <https://cmt3.research.microsoft.com/ICEMPS2024>

IMPORTANT DATES

25-09-2023	30-11-2023	20-01-2024	20-02-2024	01-03-2024	18-20 April 2024
First call for papers	Paper submission deadline	Notification of acceptance	Final Camera-ready Paper submission	Registration deadline	Conference dates

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