



# MBCET e-bulletin

**MAR BASELIOS**

COLLEGE OF ENGINEERING AND TECHNOLOGY

AUTONOMOUS

Accredited by NAAC with A Grade. All B.Tech programmes accredited by NBA

## Principal's Desk



The year 2020 began with the news of the spread of SARS corona virus from one place of the world to another. Eventually that had brought the entire world to a kind of stand-still because of the lockdown. Food supplies were disrupted and the business tumbled. Fortunately, the pandemic did not become devastating, thanks to the quick measures taken by the governments and the people at large.

One thing is very evident now; our life has reached a new normal, as everybody comments! Nature has given us an opportunity to evaluate the utility of the communication technology to use it to the fullest extent. Education is one area of life, which would have been affected, to the worst, had there been no means for online classes. Now, we find that our teaching community, across the world, from Nursery to the top level, work tirelessly so that others will succeed and they impact the lives of those they mentor in positive ways that last throughout their careers. We are also given the chance to find new ways to teach the subjects, which we thought would never become amenable to the virtual mode of teaching. We find that we need more labour and creativity in developing the contents suitable for online delivery for many educational programmes for making learning effective. This opens up avenues for new research in education technology. Let us hope that the new line of thinking prompted by the pandemic be creating more equitable and cost effective mechanisms for the universalization and globalization of education. Let that also make people to think that knowledge is a resource to be shared for the well-being of humanity and not anything to be capitalized or monopolized.

Wish you a **HAPPY & PROSPEROUS NEW YEAR!**

**Dr. Abraham T Mathew**

*Ring out the Old, ring in the New...*  
- Alfred Lord Tennyson

- For Private Circulation Only



Festal Greetings to His Beatitude Moran Mor Baselios Cardinal Cleemis Catholicos, the Patron and Manager, Mar Baselios College of Engineering and Technology (Autonomous).

## AWARDS

ISTE, MBCET won two awards.

Best Faculty Award 2020  
**Dr. Nidhi M B** Asso.Prof,  
Dept.ME.

**Meenakshy Sunil S7**  
ECE won the Best Student  
Award 2020.



## Congratulations

## IET KKLN Awards



## Congratulations



## STUDENTS' ACHIEVEMENT



Team BLITZKRIEG (Vishnu M Nair, Abinshah Ameer, Amaze Anna Toms, Nanditha Sai Prasanth, Geoji George (S7 EE2) and Vaishnavi (S7 EE1)) bagged 1st runner up position and won Rs. 2,00,000/- for their idea under Home Affairs Theme in the ASAP Hackathon Rebuild Kerala 2020 Grand finale. The problem statement was about Development of Smart Patrolling

for Virtual Patrolling System using IoT, AI powered Camera Vision etc.

Team 'EcoRich Technologies' comprising Vishnu P. Kumar (S5 EC2), Miladh Muhammed (S5 EC2), Brigitta W.L. (S3 EC1) and Akshai R.K. (S7 EC1) emerged as the Runner - Up for the 'She Power Hackathon', organized by Kerala Start Up Mission in association with the US State Department and World Learning, the implementing partner. The hackathon aimed at addressing and solving critical issues concerning women. The Team received a cash prize of Rs. 15,000.



## Sports



Mr. Deepak Raj (Asst. Director) Department of Physical Education secured second position in the inter club Shuttle Badminton Tournament on 31st December 2020

Pran P, S7 ME became the Champion in State Men Squash Racquets Championship held at Chandrashekar Nair Stadium, TVM on 30th December 2020.



## Best Paper Awards



Rohit Radhakrishnan (S7 ME2), Vaisakh V. (S7 ME2) & Dr. Nidhi M. B., Associate Professor, MED won the best paper award for the

research at the 35th Indian Engineering Congress.

## Paper Presentation

Harishankar S (S7 ME1), Aswin A Asokan (S7 ME2), Madhav Murali (S7 ME1), Rejath R S (S7 ME2) & Dr. Rajesh T N, Asso. Prof. MED, presented a research paper titled 'Design of a Centrifugal Impeller for Lean Supercharging of Motorcycle Engines' on 18th December 2020 at 35th Indian Engineering Congress.



## Sparshanam - A Short Film

Initiative by the students of MBCET released on Kats Media Youtube Channel on 19th December 2020 at 6:30 PM

The film production team consisted of:

Senthil Nath R., Alumnus of EC, Joshin Samuel, S5 EC2, Eric Babu, Alumnus of CE, Akash Tharakan, Alumnus of CE, Subin Mathew Thomas, Alumnus of ME, Sheethu Gopal, Alumnus of EC, Ramakrishnan Hareesh, S3 EC, Srijit Sajeev, S5 CE, Sajeevan R. S., Alumnus of EE, Harinarayan, Alumnus of EE, Sajin, Alumnus of ME, Royston, S7 EC1, Kailas R. J., Alumnus of EC, Meenakshi M. L., S7 EC1.

## SPANDANAM



As part of the SPANDANAM (Social service wing of Department of ECE) activity, student representatives from S3 EC2 (Alonso Rooby and Aswen A.M.), Ms. Teena Rajan, and Mr. Anoop K. Johnson, Asst.-Prof. Dept. of ECE, visited Mrs. Radha, a poor woman at Nalanchira on 18th December 2020, suffering from acute diabetes. Rs.5000/- was given to her as an assistance for her treatment.

## Corporate Relations

### MoU with Wadhvani Foundation



MBCET has signed a Letter of Intent (LoI) with WF for rolling out the NEN courses. Initially the course will be conducted for the present and prospective incubates as a lateral batch, after the End Semester Examinations. Both their Foundation and Advanced Courses in Entrepreneurship will be offered later, to empower students with entrepreneurial mindset and knowledge.

National Entrepreneurship Network (NEN), is a non-profit initiative of the Wadhvani Foundation (WF). Launched in 2003, NEN aims to carve more than 10,000 young entrepreneurs in India and abroad annually through their NEN courses in more than 500 leading institutions, including IITs, NITs.



## IQAC



**Dr. George Zachariah**, Dept. of S&H has been appointed the Senior Advisor, to the IQAC of the College.

**Dr. M.J. Jayashree**, Professor and Head of Dept. of ECE, has been appointed as the college IQAC (Internal Quality Assurance Cell) Coordinator.



## Faculty Achievement



**Dr. Satya Kumar**, Professor, Dept. of CE participated as a member in the Business Advisory committee meeting for the Construction sector at the office of Kerala Academy for Skill Excellence (KASE), Trivandrum on 21st December 2020. He chaired a session on

Pavement Technology at the 7th Conference on Transportation Systems Engineering and Management organised by KSCSTE-National Transportation Planning and Research Centre & College of Engineering Trivandrum on 30th December 2020.

**Mr. Arun J.S.**, Asst. Prof. in the Dept. of ECE, has been nominated as the expert member in Trivandrum District Core Group for the implementation of 'One District One Idea - MSME Development Challenge' initiated by Kerala Development and Innovation Strategic Council (K-DISC).

## Faculty Publications

**Lani Rachel Mathew**, Manju S., Gopakumar K., 'Vocal Tract Parameter Estimation and Modeling with Application in Diagnosis of Voice Disorders', Proceedings of International Conference on IoT based Control Networks and Intelligent Systems, Elsevier SSRN, 2020.

**Ms. Shyju Susan Mathew**, Asst. Prof. in the Dept. of EEE presented a paper titled 'Tracking Control of a Mobile Manipulator with External Torque disturbances using Computed Torque Control' in the 17th IEEE INDICON 2020 held from December 11- 13, 2020. at Netaji Subhash University of Technology, New Delhi.

**Ms. Sojy Rajan C.**, Asst. Prof. in the Dept. of EEE presented a paper titled 'Modeling Operation and Simulation of Interconnected DC Microgrids' at the third edition of the 2020 IEEE International Conference on Power Instrumentation Control and Computing (PICC2020) under the aegis of the Sixth Biennial International Conference on Emerging Trends in Engineering, Science and Technology held at Government Engineering College Thrissur from December 17- 19, 2020.

## Expert Talk

As part of the National Mathematics Day celebration, **Prof. Joseph Cheriyan**, HoD, Dept. of S&H gave a talk on 'Some applications of Mathematics in Engineering' in a Webinar organized by UKF College of Engineering, Paripally on 22nd December 2020.



A software named 'FIXPLAN' has been developed as part of PhD research work of **Mr. Remil George Thomas**, Asso. Prof. MED. The co-authors are **Dr. R. Manu and Dr. Deepak Lawrence K** from NIT Calicut.

**Dr. Nidhi M. B.** Associate Professor, MED delivered a talk on the topic 'Role of AI in Product Development' at the Dept. of CSE, D. Y. Patil College of Engineering, Akurdi, Pune on 26th December 2020.

## FDP on 'Modern Control Techniques in Electrical Systems' (MCTES '20)

A 3-day online Faculty Development Programme (FDP) on 'Modern Control Techniques in Electrical Systems' MCTES '20 was organized by the Department of Electrical & Electronics Engineering, MBCET from 28 December to 30 December 2020 in Google Meet. Around 50 participants registered for the course. Eminent speakers from IIT Bombay and Anna University delivered talks on the Trends in Modern Control Techniques. Dr. Arun Kishore W. C., Professor, Dept. of EEE, CET, Dr. Mani Bhushan, Professor, Dept. of Chemical Engg, IIT Bombay, Dr. S. N. Deepa, Asso. Prof., Dept. of EEE Anna University Regional Campus: Coimbatore, Dr. Elizabeth Rita Samuel, HoD, Department of EEE, Rajagiri School of Engineering & Technology, Ernakulam, Kerala, Dr. Nisha G.K, Prof. & HoD, Dept. of EEE, MBCET, Ms. Elizabeth Varghese, Associate Professor, Department of EEE, MBCET were the Resource Persons.

ISTE State Faculty Convention 23rd January 2021 for details: <https://mbcet.ac.in>

## Alumni Association

We are happy to announce that Mar Baselios College of Engineering and Technology Alumni Association (MBCETAA) has become a registered society under The Travancore - Cochin Literart, Scientific and Charitable Societies Registration Act, 1955.



## ISTE Activities

### WEBINAR ON SPORTS ECOSYSTEM IN INDIA






ISTE MBCET Student's Chapter conducted an Expert Talk on the topic 'Understanding the Sports Ecosystem in India' on 18th December, 2020. The speaker for the session was Mr. G Srinivasan, CEO of Sporjo, member of the core team of ISL(Indian Super League) and Chairman's Office Reliance Industries and also



in association with BCCI(Board of Control for Cricket in India), Nike, ESPN and Lowe. The speaker discussed the critical skills required to work in the Sports Industry and the challenges faced by the sports aspirants in our country.

National Mathematics Day, two problem and puzzle solving events were conducted – Puzzola with 61 participants and Mathwiz.

On 23rd December Farmathon, an online problem solving competition was conducted on December 24 as part of National Consumer's Day, a digital poster making competition was conducted.

Training and Placement	
Company	Shortlisted Numbers
 	22
	7 (Phase 1 / Part1)
	19
	3

HAPPY NEW YEAR!!!

## Alumni Achievement

Ms Aswathy G.P. (Alumna of 2014-2016 Batch, Department of ECE, MTech in Telecommunication Engineering) obtained her PhD degree from APJ Abdul Kalam Technological University.



Gayathri D.S., M.Tech Structural Engineering (2019 passout) guided by Ms. Parvathy U., Asst. Prof. in the Dept. of CE, got PhD admission in Kerala Technological University at College of Engineering Trivandrum under AICTE Doctoral Fellowship 2020-2021 Scheme.

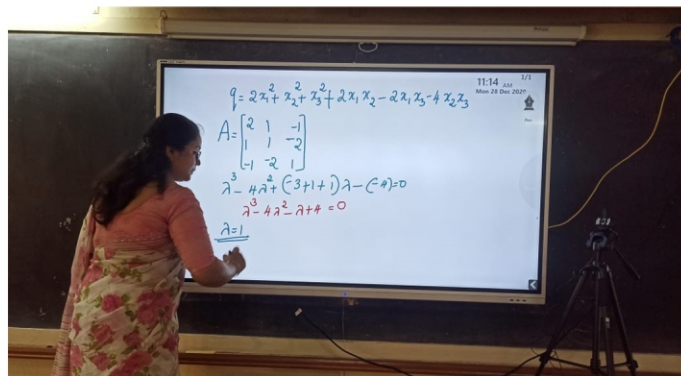
## IET Activity

### Outreach 150

The IET Team visited the Kerala Institute of Local Administration - KILA Director General on 23rd December 2020 and discussed about MBCET-KILA collaboration for Outreach 150. The idea was approved in principle



## Smart Class Facilities



Smart Interactive Boards have been Installed in all First Year Class Rooms.

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