



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

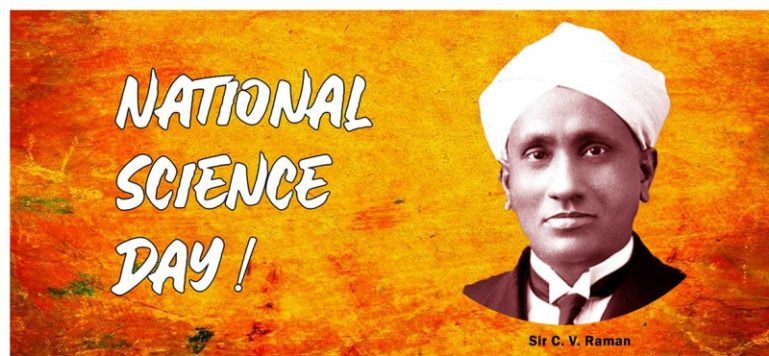


National Science Day (NSD) is celebrated in India on 28 February each year to mark the invention of the Raman effect by Sir C. V. Raman on 28 February 1928. Sir C.V. Raman was awarded the Nobel Prize

in Physics in 1930 for this discovery. The theme for National Science Day 2021 was "Future of STI (Science, Technology and Innovations): Impacts on Education, Skills, and Work". Advanced optical technologies in the visible or near-infrared spectral range (lasers, microscopes, fibre-optics) have recently led to an increase in medical diagnostic applications of Raman spectroscopy. By this approach the diagnostic accuracy and speed have become compatible with clinical use. It is also observed that Raman spectroscopy is a powerful method that links the fundamental structural biology and its medical applications in cancer, cardiovascular, neurodegenerative, atherosclerotic, and other diseases. Deep learning combined with the diagnostic tool is opening up the avenues and research in these directions are progressing across the world.

Let the scientific community come out with more innovations which shall help the man to live a safe and sound life on planet earth. We may pay rich tributes to Sir C.V. Raman, the great Indian Scientist, whose invention was revolutionary.

Dr. Abraham T Mathew



Iridescent

As part of the Science Week Celebrations, IEEE PES and EMBS SBC of MBCET, conducted an online photography contest - 'Iridescent', for both the students and faculty members. The contest was open from 21 to 25 February 2021.

Jenifer Alosious (S1 EEE, MBCET), **N. Harika** (S1 ECE, LBS Institute of Technology for Women) and **Muhammad Faris S.** (S1 EEE, MBCET) were awarded the first, second and third prizes respectively.



Cognizance

IEEE RAS and IEEE WIE of MBCET, organized an online quiz- 'Cognizance', in connection with the Science Week, on 28 February 2021. 65 students participated in the event and **Ms. Gowri Vijayakumar** (LBS Institute of

Technology for Women), **Ms. Sheethal Liz Mammen** (S3 EC1, MBCET) and **Ms. Irene Alsa George** (College of Engineering, Adoor) was awarded the first, second and third prize respectively.



Elysian

IEEE Computer Society and IEEE SIGHT SB of MBCET, conducted an article writing competition - 'Elysian', from 23 to 25 February 2021, as part of the Science Week celebrations. The topic: 'Green Computing: Making Future Lives Sustainable'. 42 students participated in the event. **Ms. Sania M.S.** (S3 EC2, MBCET) and **Ms. Sradha Satheesh P.**, (S3 CSE, Jyothi Engineering College) won the 1st & 2nd Prizes. The winners were awarded the e-certificates.



Motivational Talk

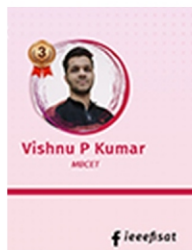


Ms. Gouri A.V., Associate Software Engineer at EY (Alumnus, 2016-2020 Batch of ECE), delivered a motivational talk on 'Luring Benefits of Never Giving Up', as part of the SoCHH

Session organized by Catalyst Mar Baselios IEDC, on 26 February 2021.

Student Achievement

Mr. Vishnu P. Kumar (S5 EC2), secured the third prize for the event 'NOVA - an Arduino problem solving competition using Tinkercad simulation', organized by IEEE Student Branch of FISAT, from 16 to 17 February 2021. Congratulations!



Felicitation to Budding Artist



Akhil Raj S, S7 ME being felicitated by MBCET, for the portrait of Shri Arif Muhammad Khan, Hon'ble Governor. The portrait was presented to Hon'ble Governor on the occasion of the inauguration of the 31st Annual State Faculty Convention of ISTE Kerala Section.

Faculty Assignment



Ms. Ann Mary Alex, Asst. Prof., Dept. of ECE has been appointed as the Assistant Camp Officer, KTU Valuation Camp at MBCET.

Digital University Programme

Mr. Arun J.S. Asst. Prof., Dept., of ECE, participated in "DX21: Digital Transformation Summit", organized by Kerala University of Digital Sciences, Innovation and Technology (Digital University), in February 2021.

IBM Badge

Ms. Shini Renjith and **Ms. Poorna B.R** earned a badge as practitioner of course 'Enterprise Design Thinking' from IBM for acquiring knowledge of applying Enterprise Design Thinking and its value. As a Practitioner, the badge earner finds opportunities to try it out in their everyday work.

Ingress

The Computer Science Department of MBCET organized Ingress, a national event that lasted an entire week, ending with a hackathon on 13 and 14 February. Ingress was sponsored by various globally reputed companies namely Devfolio, Figma, Give My Certificate, repl.it, Portis, egghead.io, Axure RP, Digital Ocean, echoAR, Tezos, Voiceflow, Matic Network (B-VI) Ltd. and StreamYard. We also had Jovian AI and Interview Cake onboard with us as Educational Partners and ISTE MBCET, ACE MBCET, CSI MBCET Student Chapter, MB-CETTA, Catalyst Mar Baselios IEDC, FOSS Cell MBCET and Microsoft Learn Student Ambassadors as Community Partners.

Hackathon Winners



Expert Talks

Dr. Nidhi M. B., Associate Professor, MED has served as the Panelist on Woman Empowerment, in the topic 'Women Leadership: Achieving an equal future in a COVID-19 World' organized by International Chamber for Service Industry on 2 March 2021.



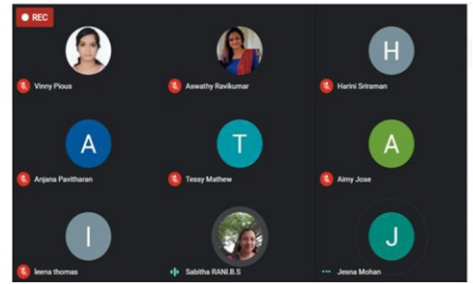
Dr. Deepak G. Dilip, Asst Professor, MED has been a Speaker in the One-Week Training Program on 'Fundamentals of the core subjects in Mechanical Engineering' organized by Department of Mechanical Engineering, Engineering College Jhalawar & NITK Surathkal.

Dr. Vidya Vilas, Asst. Prof. Dept. of S & H delivered an expert talk on 'Nanobiotechnology' for undergraduates Students, organized by the Department of Botany, Mar Ivanios College (Autonomous), Nalanchira, Trivandrum on 2 March 2021.



STTP on High Performance Computing and Deep Learning for Image, Text Analysis

Deep Learning percolates into the various facets of technology. The technology enables computers to capture concept level features hidden in the input data. The methods based on deep learning have a significant impact in the performance of algorithms used for speech recognition, image and video processing, text analysis and medical image processing. The Department of Computer Science and Engineering organized Six-days AICTE sponsored STTP on 'High Performance Computing and Deep



Learning for Image, Text Analysis' from 22 Feb 2021 to 27 Feb 2021. The aim of this STTP was to promote research, assist educators and designers in the field of deep learning. More than 70 members participated in the event. The sessions enabled participants to understand the basics of deep learning and the various deep learning architectures. The sessions were handled by Dr. Deepak Garg, Dr. Suneet Kumar Gupta, Dr. Tapas Badal, Dr. Vipul Kumar Mishra, Dr. Hiren Kumar Thakkar from Bennett University, Dr. Pranesh Das and Binu Jose A form NIT Calicut, Dr. Harini S and Ms. Aswathy Ravikumar from Vellore Institute of Science and Technology, Dr. Vishnukumar S from CUSAT, Dr. Tessa Mathew, Dr. Jisha John and Dr. Jesna Mohan from Mar Baselios College of Engineering and Technology. The STTP was coordinated by Dr. Tessa Mathew, Dr. Jesna Mohan and Mr. Ramjith R.

IPA Expert Talk

IPA MBCET Student Chapter and Dept. of CE conducted 'ENCONTRO 2021', a freshers introduction to Indian Plumbing Association Program on 28 February. **Dr. Virapan S.** Chairman and Manager of Sanvir Associates delivered a speech on Civil Engineering Contribution to Society. The most active participants were given Student of The Meet Title.



PhD Admission



Ms. Dhanya L K got selection for PhD in the Department of Computer Applications at CUSAT during Winter Semester 2020-21. Congratulations!

Industry Induction Programme

Dr. Nidhi M B, Asso. Prof. Dept. ME was the resource person at HLL R&D on the Topic 'Risk Management & Accountability' Organized by HMA on 4 March 2021.



Alumni News



Mr. Jerry Joy, Alumni of MED (2016-20 Batch) has got an Admission offer from Greenwich University, London for the programme MSc in Energy Management. Congratulations!

Gautham K Sajith, Alumni of EEE (2016-20 Batch) has got admission for Master of Engineering at University of Melbourne, Australia. Congratulations!



Eldose George, Alumni of EEE (2016-20 Batch) has got admission for Engineering with Management M.Sc in University of Bristol, UK, Engineering Technology and Business Management M.Sc in University of Leeds, UK and Advanced Engineering Management M.Sc in University of Birmingham, UK. Congratulations!



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

Chief Editor: Dr. Abraham T Mathew, Principal
email: principal@mbcet.ac.in

Editor : Dr. George Zacharia, Dean (SA)

Design & Layout: Nisha Mathew

Published by Mar Baselios College of Engineering and Technology
Mar Ivanios Vidyanagar, Nalanchira, Trivandrum-695015

For Private Circulation Only