



MBCET e-bulletin

MAR BASELIOS

COLLEGE OF ENGINEERING AND TECHNOLOGY

AUTONOMOUS

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

Message from the Bursar



Though constrained by the Covid Pandemic situation the College community is moving forward in such a way, as the authorities have directed, we are learning to live with the pandemic. Accordingly, the

Teaching-learning process has been shifted to the virtual mode.

For almost two years we have been following the online mode for Teaching-Learning, Evaluation, and University Education. Everyone has been forced to follow this path. And it has its own impact also, as precipitated in the examination results. Some of the students couldn't perform well in it since they did not get any exposure to the offline mode of academic activity.

The absence of physical presence and intervention of teachers had its own impact. Parents were forced to fill that gap. All were subjected to stress and anxiety. And the situation has not changed.

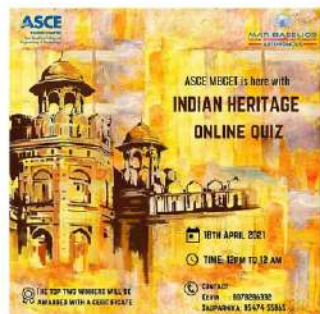
No one can say for sure when it will end. Therefore, students are reminded that they should adapt themselves seriously to the online mode, until the offline mode is re-established.

Again, all students should get vaccinated and equip themselves for the offline classes. Continue to follow the covid protocol.

I wish you a fruitful learning experience.

Fr. John vilayil

World Heritage Day Quiz



MBCET Student Chapter of ASCE conducted a quiz on Indian Heritage to commemorate World Heritage Day. The event was conducted on 18 April 2021. The winners were awarded with e-certificates.

ISR Activity



Fr. John Vilayil, Bursar handing over the house built by MBCET, to a member of the Technical Staff.

CERD Project

As per the APJAKTU- CERD order dated 15 June 2021, the following student project proposals got selected for financial assistance: 'Development of a flexible pavement design strategy for high-ways considering the effect of dynamic loading' with Principal Investigator **Dr. Neethu Roy** (Dean R&C) and student investigators - **Athira V R, Difani M Saji, Malavika V, Roshan Shaji** (S8 CE) and 'Evaluation of the performance of ultra thin white topped pavement incorporating geosynthesis' with Principal Investigator **Dr. Jisha S V** (Asst. Prof., CE) and student investigators - **Anju Stephen, Anusha Babu, Tony T Joseph, Haris Ahammed S** (S8 CE) .

ASCE National Conference 2021

All the members of MBCET Student Chapter of ASCE attended the ASCE India Student Conference held online, hosted by ASCE-Vellore Institute of Technology Student Chapter from 19 to 21 March 2021.



Talk Delivered by Students



Mr. Vishnu M Nair S8 EE2 handled a session at Department of Computational Biology and Bioinformatics, University of Kerala on 7 June 2021.

Mr. Adithya S., Alumnus EEE, delivered an awareness talk about Lighting Design software for S6 EEE students on 8 June 2021. Following that the IET - MBCET organized the 12-hr workshop on DIALux Lighting Design Software from 17 June 2021.



International Women Engineers Conclave

Dr. Nidhi M. B., Asso. Prof., MED had been a Panelist at International Women Engineers Conclave-2021 organised by The Institute of Engineers India (IEI) Qatar Chapter, which was held on 25 June 2021. **Dr. Rajasree**, VC KTU inaugurated the event. IEI Chairman Er A Sathar and team were the organisers.

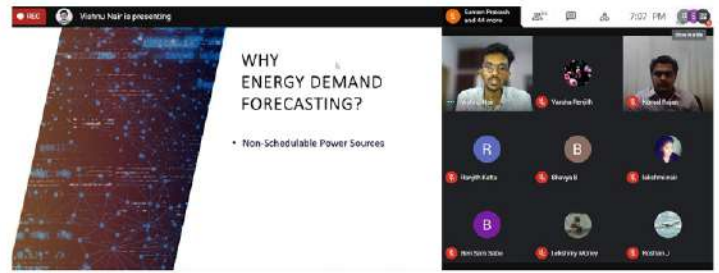
The poster for the International Women Engineers Conclave-2021 features the following details:

- Organizers:** The Institution of Engineers (India) (Established 1920, incorporated by Royal Charter - 1935) Qatar Chapter (Under the aegis of Embassy of India) (Licensed with Qatar Financial Center (QFC)) and Federation of Engineering Institutions of Asia and the Pacific (FEIAP).
- Presidential address:** Er. ABDUL SATHAR, FIE, Hon. Chairman, The Institution of Engineers (India) QC.
- Panel Speakers:**
 - Er. MK SABEENA MIE, President, IEI QC- Womens Wing.
 - Dr. NIDHI M.B India
 - Er. YAHANA ABBAS, Malaysia
 - Er. NIRANDANA MOHANDAS, Srilanka
 - Er. BENJAN SHRESTHA, Nepal
 - Er. MIKAELA L. ESPIRITU, Philippines
- Chief Guest:** Dr. RAJASREE M S, Vice Chancellor, APJ Abdul Kalam Technological University Kerala-INDIA.
- Guest of Honour:** Er. NARENDRA SINGH FIE, President, IEI.
- Guest of Honour:** Dr. NUPUR PRAKASH, Former Vice Chancellor, Indra Gandhi Delhi Technical University for Women - NewDelhi.
- Opening Remarks:** Dr. HRP YADAV FIE, Secretary & Director General IEI.
- Theme:** Emergence of Women in Engineering

Blog Writing Competition

CSI MBCET Student Chapter organized a Blog Writing Competition on the topic 'Your Personal Engineering Super Hero' on 23 June 2021 to celebrate Women in Engineering Day. **Paliyath Aju** of S6CS2 secured the first prize.

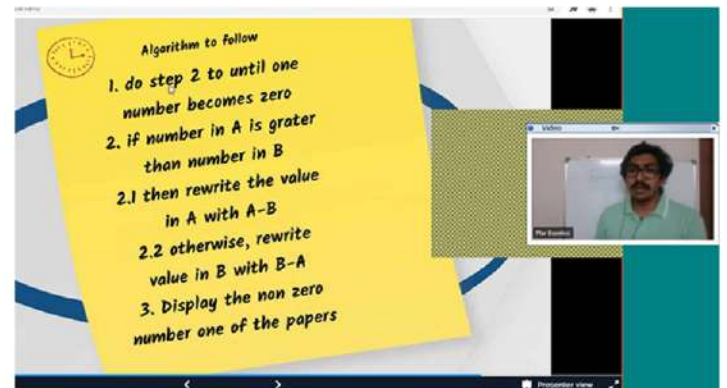
National Student Talk series



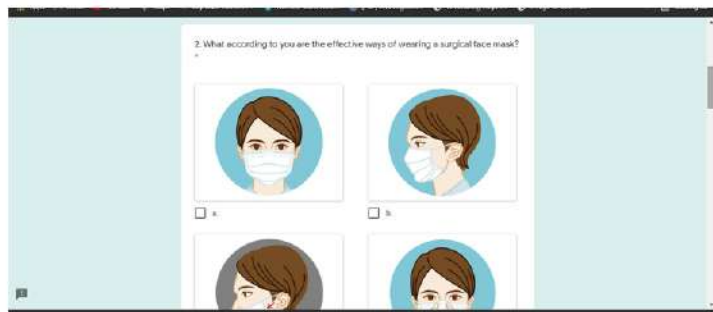
CSI MBCET Student Chapter in association with CSI Trivandrum Chapter organized FC Kohli National Student Talk Series on 22 April 2021. Student speakers from different colleges talked about the following topics. Vishnu M Nair, EEE, MBCET-Energy Demand Forecasting Using Deep Neural Networks. Roshan J, College of Engineering, Muttathara - Virtual Personal Assistant. Bhavya B, GPCET, Hyderabad-Machine Learning in today's world. Lakshmi R Nair, University College Kariavattom - 5G and Internet of Things, Mr. Kamal Rajan, Associate Consultant, TCS was the chair for the session. More than 70 students participated in the talk.

Bridge Course

CSI MBCET Student Chapter in association with the Department of Computer Science & Engineering organized a one-week Bridge Course on 'Introduction to Programming Fundamentals' for first year students. More than 250 students attended the course and suggested organizing similar courses in the future. The program was coordinated by **Mr. Praveen G L**, Asst. Prof., and the sessions were handled effectively by **Mr. Shibu V S**, and **Mr. Robin Joseph**, Asst. Professors., CSE Dept. The student coordinators were **Mr. Ben Sam Sabu** and **Ms. Diya Ann George**.



Mask Survey



MBCET Student Chapter of ASCE organized a mask survey to gather and study information on the efficient usage of masks by the public and the awareness of importance of masks among people. The survey was conducted through google form. 354 responses were obtained for the survey.

Know Your Alumni



As part of the KYA series, organized by MBCET Student Chapter of ASCE **Ms. Parvathy Nair Patel** (2005-09 CE), a Technical Officer, Central Public Health and Environmental Engineering Organization Ministry of Housing and Urban Affairs, Govt. of India gave a Talk on 12 June 2021.

Alumni Achievements



Rahul S Biju, Alumnus of EEE (2016-20 Batch) has got admission for Graduate Certification Course in Embedded Systems Development at Conestoga College, Cambridge, Ontario.

Ms. Akhila Chandran (Alumna, 2016-2020 Batch of ECE), secured admission for M.Tech. in VLSI Design, at VIT, Vellore.

Mr. Anand S. (Alumnus, 2014-2018 Batch of ECE), secured admission to IIM Amritsar, for MBA Programme.

Collaborative Project

Dr. Tessy Mathew, Dr. Jisha John, Dr. Jesna Mohan and Ms. Deepa P.L are collaborating with Dept. of Neurology, Sree Chitra Tirunal Institute for Medical Sciences and Technology on a Project for analyzing the dataset for Malformation Risk Modelling with Machine Learning Techniques for Women with Epilepsy.

Online Symposium

Association of Dept. of EEE, Illumina takes pride in associating with KSEB Ltd and Energy Management Centre to organize an online Symposium - **Urja Pariraksh**, an expert webinar series followed by a competition which is open to students from class 9th. The total prize money is worth Rs. 20,000/- sponsored by **Vydyuti Energy Services (VES)**. 531 participants registered for the programme. Faculty coordinators: **Ms. Manju Sreekumar and Ms. Keerti S Nair**. The first Webinar of the series was handled by **Mr. F. R. Rejish Babu**, Asst. Prof., EEE Dept., MBCET.

Participation in Conference

Ms. C Sojy Rajan presented a paper entitled 'Fuzzy Controlled D-STATCOM to improve the PCC Voltage Profile of a Multi-Microgrid Interconnection Scheme' in the Springer Electric Power & Renewable Energy International Conference (EPREC-2021) organized by Department of Electrical Engineering, NIT Jamshedpur and sponsored by Springer from May 28-30, 2021

Expert Talk

Dr. Nisha G. K., Prof. and HoD, Department of Electrical and Electronics Engineering, MBCET delivered a talk on the topic 'Linear Motors' for the S8 subject Special Electrical Machines on 7 June 2021. **Ms. Hema P. P.**, Asst. Prof., ECE, MBCET, delivered an expert talk on the topic 'Micro Electro Mechanical Systems (MEMS)' for the S8 students.

YIP Evaluator

Mr. Arun J.S. Asst. Prof., Dept. of ECE, was awarded the certificate of appreciation for being the evaluator for the second level evaluation of Young Innovators Program (YIP) 2020 conducted from 9 to 20 June 2021.

Project Award Jury Member



Dr. Tessy Mathew, HoD and Associate Professor, CSE is selected as faculty judge for the 10th CSI-InApp, International Student Project Awards, 2021. She also gave an expert talk on AI & Maths at DB College, Sasthamkotta.

Invited Talk

Dr. Jisha John, Associate Professor, CSE handled an orientation session 'A walkthrough on CSI' at College of Engineering, Perumon on 22 June 2021.

Student Achievement



Ms. Aleena Elsa Thomas S6 CS, successfully completed with A+ GRADE, two diploma courses in Learning Disabilities and Special Needs Education offered by British Learning, London.

Music Club



Ragam, the Music Club of MBCET conducted an Intercollegiate Solo Vocals Competition, to showcase the musical talents of students all over Kerala, during May 2021. The winners of the competition were: *Indian music*: 1st - Gokul S, TKM

College of Engineering – S4 ME, 2nd - Bhadra P, MBCET – S2 EE, 3rd - Nikitha Suresh N, MBCET – S2 EC2, Brinta Bosco, MBCET – S2 EC2. *Classical music*: 1st - Gokul S, TKM College of Engineering – S4 ME, 2nd - Renjith R, MBCET – S8 EC1, 3rd - Ashwin A, MBCET – S2 CS2. *Western music*: 1st - Josipha Sebastian, MBCET – S4 EC, 2nd - Sharon Susan Xavier, MBCET – S4 CS, 3rd - Merin Grace Mathew, MBCET – S2 CS.

FDP



Department of Civil Engineering, Mar Baselios College of Engineering and Technology, Thiruvananthapuram

organized a FDP on 'Recent Advances in Seismic and Wind Load Analysis of Structures' (from 07-06-2021 to 11-06-2021). The FDP is sponsored by APJ Abdul Kalam Technological University. The different sessions of FDP are handled by eminent professors, researchers and industrialists from various recognised organisations. 62 faculty members and 40 M.Tech students from various Engineering Colleges affiliated to APJ Abdul Kalam Technological University participated in this program.

Social Service Activity

Illumina contributed to a noble cause as a part of Social service by completing the Electrification work (Wiring and Installation) of a house of one of the members of our MBCET family with the support of the Faculty and the Technical staff.



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