



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 AICTE mandated 2 weeks long Student Induction Programme (SIP-2020), for the newly admitted B.Tech students, was concluded on 27th November 2020. Varieties of activities were conducted for the benefit of the freshers both at the College level and the Department level. Special focus was given to the human values and the professional development. The Programme started with the blessing of our beloved Patron His Beatitude Moran Mor Baselios Cardinal Cleemis Catholicos in a colourful ceremony, christened as *Parodos*, on 16th November. The entire SIP was conducted online using virtual conference platforms. Senior external experts from the respective domains were invited to deliver the talks. The Speakers motivated the students to plan for the career from the beginning of the studies itself and explained the various options available for Engineering graduates in the administrative roles at the government level. The Health Department was helpful in conducting a session on useful tips for a good lifestyle and harmony with Nature. The Cyber Cell of the Police Department facilitated the session on Cyber Laws and the need for careful usage of the social media.

Even though, the students were participating in the SIP through a virtual platform, the activities were coordinated with a detailed plan so as to reach out to every student in the best possible manner. We are indebted to our Patron and the Management for the support in conducting the events. Special thanks are due to the Heads of the Departments, Deans, Senior Professors, Faculty Advisors, Programme Coordinators and the entire team of our Staff for the proactive support in completely executing the plan of SIP, in spite of all limitations and the threat of the Covid 19 Pandemic. We wish a fruitful stay for our newly joined students with MBCET.

Dr. Abraham T Mathew

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Universal Human Values (UHV)

Emphasis was given to make the students aware of the need for including Universal Human Values as mandated by the AICTE. External Resource person and internal faculty members handled focussed programmes on UHV during the SIP-2020.

Talk on Geogebra



Prof. Joseph Cheriyan, HoD, Department of Science & Humanities, through his lecture introduced students to a free software. Geogebra, using which they can easily generate geometrical shapes or graphs of functions and their transformations like translation, reflection stretches and compression, in two and three dimensions during the SIP-2020.

Project Competition Winners



Ganga S S, Ganga P S, Thara Govind and Gayathri Nair 2020, pass out batch guided by Ms. Athira I C, Asst. Professor of CE, won first prize for B Tech

Project Competition, PROCOMB 2019-20 conducted by the Graduate Association of Civil Engineers, Emakulam Centre and AISAT for the best B Tech Project under APJKTU.

SIP-2020 Highlights

Talk on Universal Human Values



Dr. Ramesh Unnikrishnan, Director, AICTE, delivered a talk on Human Values.

Talk on Health and Life Style



Dr Santhosh Kumar, Deputy Superintendent, Trivandrum Medical College gave a talk on how to keep oneself fit, energetic and at reduced risk for disease.

An Introduction to Civil Engineering

In the Department level induction programme of CE, Prof U.C. Ahammed Kutty, Former Principal, TKM College of Engineering delivered a talk on the topic "Prospects of Civil Engineering".

How to Create a LinkedIn Profile



Mr. Anoop Babu,
MIE, C.Eng. (I)

In his talk explained the methods to create a LinkedIn profile for students and faculties. It helps to improve our online presence across the globe.

Expert Talk on Cyber Security

Mr. Anand V.S. from District Cyber Cell gave a talk on the cyber crime attacks and the steps to counter them.

STUDENT ACHIEVEMENTS

Ann Elizabeth and **Sruthi S. B.** of S7EE1 are selected as the All Kerala Power and Energy Society Student Colloquium 2020 Campus Ambassador.

IEDC



Mr. Arun J S, Asst. Professor, Department ECE, MBCET,. He touched upon the topics Incremental innovation, Disruptive Innovation Learn entrepreneurship, Disciplined Entrepreneurship, how IEDC, are changing the education ecosystem and the support system existing to convert ideas into reality.

Lecture on Mental Health Challenges



A session on mental health challenges faced while at the campus and in the society was handled by Dr. Shobha Teresa George, Student Counselor, MBCET.

Departmental Activities:

Dept. of CS

Mr. Sreedish P S, Alumnus, Software Development Engineer, Amazon spoke on the Importance of Engineering.

A workshop on LATEX course was conducted on 2nd December 2020 for S7 CS2 students in accordance with the project report preparation. The session was handled by Ms. Jayalekshmi J, Assistant Professor CSE.

Dept. of CE



The M.Tech first year students were welcomed to the department of Civil Engineering on 16 November 2020. Dr. Jayasree S, the HoD addressed the gathering.

Distinguished Alumni

Ms. Sreedhanya Executive Director, SreeDhanya construction Company (2010 passout), Ms. Amritha Nair, Structural Engineer, Dubai (2011 passout), Mr. Diljith M Prasad, Quality Surveyer Capital Energy Consultancy, Dubai (2012 passout) interacted with the first year students and shared their experiences.



A Session on "Awareness about Sign Language" by Mr. Jomy Joseph Peedikayil, Assistant Professor, MBCET on 3rd December 2020 was conducted by Civil Engineering Students Association.

Dept. of EC



The Department of Electronics and Communication Engineering organized an interactive session (online) on "Managing in Times of Uncertainty" by Shri Madhava C. Kurup, Associate Professor, Asian School of Business, Trivandrum on 1st December 2020.

Dept. of ME



Dr. Nidhi M. B., Associate Professor, Dept. of ME presented a webinar on "National Education Policy" on December 1st, 2020. The webinar was organised by IEDC, IIC and ED Club at the Carmel Polytechnic College, Alapuzha.

Dept. of S&H



The Department of Science and Humanities organized a workshop on "Role of Science and Humanities Department in an Engineering college" on 27th November 2020. Dr. Edamana Prasad, Professor and Core Team Member, Teaching Learning Center (TLC), IIT-Madras was the Resource Person. Prof. Prasad explained the means by which the faculty members of the Dept of S&H . could enable higher learning for Engineering students. Dr. Vidya Vilas and Dr. Veena Nair were the Coordinators.

SIP Alumni Meet



Mechanical Engineering Department Association "Automata" Meet the Alumni was conducted. Mr **Reuben Jones**, Lieutenant Commander, Indian Navy (2012 Mech Alumni) took the session titled; The Art of Winning a War.



An Invited Talk titled: Pointers to the Right Choice; was given by **Mr. Midhunjith A K**, Academic Head, Career Launcher, Tvm.

The Alumni **Mr. AnandDhas** (ISTE) and **Mr. Jobby Johnson** (IEDC) interacted with the students explaining the need and importance of taking part in the activities of various Professional bodies.

Training & Placement Unit

The pre-placement talk by **Guidehouse** consulting firm took place on 27 November 2020, as part of the recruitment process.

Guidehouse online test and Group Discussion were conducted on 28 November 2020, and 30 November 2020, and interviews were scheduled on the succeeding days.

The **Cognizant** interview was conducted on 29th November 2020.

Four-day **Infosys** Campus Connect Soft Skills Webinar Series for 10 nominated students from 2022 passing out batch started on 1st December 2020.

IET Sponsored Online FDP On Performance Improvement in Smart Grid Using Artificial Intelligence Techniques (PISGAI 2020)



A six-day Online Faculty Development Programme on Performance Improvement in Smart Grid using Artificial Intelligence Techniques PISGAI 2020 was organized by the Department of Electrical & Electronics Engineering, Mar Baselios College of Engineering & Technology, Trivandrum, from 23 November 2020 to 28 November 2020. The programme was sponsored by the Institution of Engineering and Technology (IET), KKLN.

About 103 participants from various institutions including faculty, research scholars and UG/PG students registered for the Course. Dr. Hari Kumar R., Assistant Professor, College of Engineering Trivandrum gave a talk on “Introduction to Smart Grid and Renewable Energy Systems” and Dr. M. Monica Subhashini, Associate Professor, Vellore Institute of Technology, Vellore on the topic “Introduction to Artificial Intelligence Techniques”.

Dr. Tessy Mathew, HoD CSE, MBCET spoke on “Machine Learning and Deep Learning Techniques in Renewable Energy Systems” and Dr. Albert Alexander, CV Raman Fellow and Professor, Kongu Engineering College, Erode on the topic “Performance Improvement in Micro Grid using AI Techniques” followed by another practical session on “MATLAB based Performance Improvement in Micro Grid”. Dr. L Ashok Kumar, Professor & Associate HoD, Dept. of EEE, PSG Institute of Technology, Coimbatore handled two sessions on the fifth day, on the topic “Integration of Renewable Energy Systems in a Micro Grid”, followed by a demo session on “Design of Hybrid System Using PV system and Homer Software”.

On the last day, 28 November 2020 two sessions were handled by Ms. Uma Maheswari Y, Manager Technology, Pramura Software Private Limited, Coimbatore. The first session was on the topic “EMC for Power Converters – Mitigation and Measurement Techniques” followed by another session on “PCB Design Software Demo”. Ms. Sheenu P. and Ms. Soumya A. V. were the Coordinators of the programme.

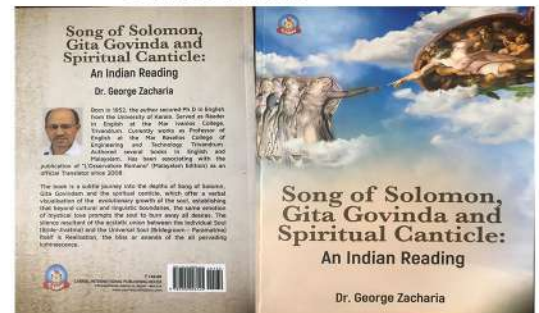
FRAMES: MBCET Photography

MBCET Photography Club conducted a Webinar on “THE ART OF PORTRAIT PHOTOGRAPHY” on 2 December 2020. Our resource person was Mr. Vishnu S Kumar, who is a Psychologist and Photographer by profession, presently the Chief Operating Officer at Create Media Lounge. Create Media Lounge is a film & media production enterprise based in Kochi, started by a group of professionals working in film & media industry. They provide pre-production, production to post-production services. The Short Film "VEDHI" in which he acted is now officially nominated for the Nawada International Film Festival and Gully International Film Awards 2020.

Mr. Vishnu spoke about his passion for photography, about lighting, low light photography, theme based photography, shadows, lenses, color palette, his experience during travelling and photo shoots.



Publication



The latest publication of Dr. George Zacharia. The book is a comparative study of mysticism expressed in the poems of Solomon, St. John of the Cross and Jayadeva which reflect the Jewish, Spanish and Indian Spirituality.

UPCOMING EVENT

Project

Build-A-Thon

Build Practical Skills through Hands-on Projects

5 Days
Hands-on Training

+

10 Days
Project Build-A-Thon

Starts
16th Dec
2020

Register@ www.smartinternz.com/mbcet-build-a-thon

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