



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

On Thursday, 3rd December 2020, our College has signed a Memorandum of Understanding (MoU) with M/s Vydyuthi Energy Services™, promoted by M/s Indira Babu Energy Ventures Pvt. Ltd. This new collaboration for the College assumes immense importance because the venture was started by one of our proud alumni, Mr Anoop Babu of the 2003-2007 EEE batch. Incidentally, M/s Vydyuthi Energy Services (VES) has its main office at Nalanchira, Thiruvananthapuram, which is close to our campus itself. The MoU also marks the start of a new milestone for IET MBCET On Campus Student Chapter, whose members will be driving the IET Outreach 150 with the collaborative effort of VES. In this context I would like to mention that our College has a global presence through its alumni, who are engaged in employment, higher studies or in self-employment.

They are the link for the campus to get connected with the world outside. So, the request to all our former students is to continue to get actively involved in the programmes of the Alumni Association and to extend a helping hand to the faculty and students in the studies and research in whatsoever way possible. Initiatives like the MoU signed with Vydyuthi is one positive development towards achieving the goal of networking widely with our alumni. We earnestly look forward to establishing more such collaborations.

Wishing Season's Greetings!

Dr. Abraham T Mathew

RSVP: ebulletin@mbcet.ac.in

MOTTO: "DUC IN ALTUM"

(Leading to the Heights of Excellence)

MBCET Won two ISTE Awards

Best Student Chapter Award-19

Congratulations!

Faculty Chapter Award-19



ISTE Student Chapter Office Bearers



ISTE Faculty Chapter Office Bearers

MoU Signed



Ms. Indira Babu
MD, VES

MBCET signing MoU with Vydyuthi Energy Services

The Company founded by Mr. Anoop Babu (of the 2003-2007 EEE batch) is driven by a vibrant group of ladies led by Ms. Indira Babu, Managing Director of Vydyuthi Energy Services (VES). VES was started with the vision of supporting the economy in achieving the Sustainable Development Goals (SDG) target by 2030. The VES company is listed in the United Nations Women Empowerment Program thus ensuring official support of UN in all their activities oriented towards enhancing women capabilities. VES keeps the Sustainable Development Goals of UN in perspective for its outreach activities. Email: info@vydyuthi.com

IET MBCET On Campus

On 3rd December 2020, the IET MBCET On Campus crossed a milestone, with the signing of the MoU between MBCET and Vydyuthi Energy Services for the collaborative venture of IET Outreach 150.

Dr. Abraham T Mathew, Principal MBCET and Ms. Indira Babu, MD of Vydyuthi Energy Services exchanged the signed documents marking the start of our collaboration with Alumni start-ups towards shaping a better and brighter future.

The IET MBCET On Campus proposal on Outreach 150 is one among the 4 that got selected from India. We are proud to collaborate with Vydyuthi Energy Services (VES) led by its Founder and our Alumni, Mr. Anoop Babu, (EEE 2003-07) for this venture, as our mutual vision is to work towards the UN Sustainable Development Goals.

FACULTY AS RESOURCE PERSON



Mr. Arun J.S., Assistant Professor in the Department of Electronics and Communication Engineering, delivered a session on the topic 'Art of Start' for the webinar organized by the Government Women's

Polytechnic College Kaimanam, Thiruvananthapuram, on 4th December 2020.

Dr. Nidhi M. B., Associate Professor, Dept of ME presented a webinar on 'Evolution of AI in Healthcare' at the six day refresher program on Contemporary AI- Applications in Healthcare – Online Refresher Programme, sponsored by AICTE-ISTE at D. Y. Patil College of Engineering, Pune on 7th December, 2020.

Mr. Bobin Saji George, Assistant Professor, MED has worked as translator for the NPTEL course 'Applied Thermodynamics for Engineers' by IIT Guwahati into Malayalam.



Civil Engineering Students Association conducted an interactive session on 'Overseas Opportunities for Engineers' on 5th December 2020. Session was handled by Mr. Balakrishna R Venukumar, founder of the Online business: EngineersWanted.com, HourlyStay.com and DoctorsRequired.com; he has work experience also in telecom/ technology domain. Key highlights of the session were – career opportunity, financial prospects, quality of life in the current times.



Expert on Disruptive Tehnology Excerpts from interview with Dr. Venkataraman Balaji, President TVS

Q: How would the disruptive technologies influence and transform strategic, tactical and operational decision making in manufacturing sector ?

Ans: *Let us take the example of IoT – Both process flow and information flow get concurrent, thereby quality of decisions get far better. We are shrinking the PDCA cycle, making the decision making process more justifiable, scientific than just gut. The cause & effect could be identified with ease, the problems could be spotted at the origins*

itself thereby eliminating the rejections & work, improving the effectiveness. This could be used for monitoring (tactical) or actuation(strategic). AI and ML would complement the decision making process moving continuously better and better. For a shop floor manager, it immensely helps in taking wiser decisions with justifications.

–In an interview with Dr. Nidhi M B, Asso.Prof, Dept. of ME, for MBCET College Magazine

Intiative on Environmental Sustainability ISO 14000



Dr Venugopal DGM HLL Life Care Ltd has delivered an awareness session on ISO 14001, on 9th December 2020 under the initiative of Environment Management Cell, MBCET. Dr. Venugopal is a well known consultant in ISO 14001:2015.



ILLUMINA ACTIVITIES

The Scions Came Together

Illumina, the Alumni Association of Department of EEE, organized a series of Interactive sessions with the prolific EEE alumni of MBCET by the name 'ILLUMINA SCIONS'. The first session was on 4th December 2020. The panelists were

Ms. Nithya Susan Varghese (EEE 2009 -13) APAC Lead Engineer, Energy Group, Canadian Solar Inc.

Mr. Eben Mathew Idiculla (EEE 2012-16) Electrical Engineer, Jacob's Engineering Group, USA.

Mr. Roshan L (EEE 2012-16), Senior Software Engineer, IBS Software Pvt Ltd, Tokyo.

Mr Ananthakrishnan G. (EEE 2011-15) Social Security Officer, Ministry of Labour and Employment Govt. of India.

Mr Peter Ben (EEE 2006-10), Supply Chain Manager, Alshaya group, Kuwait.

The Coordinator of Illumina was Mr. Devanand R. of S7. The speakers stressed on the importance of building multi domain knowledge in one's

areas of interests. They motivated the students and shed light on the future scope of Electrical engineering. The highly successful first edition of Illumina Scions was wrapped up with a vote of thanks from Vice Coordinator Ms. Annapoorna S. of S5.

MBCETAA Governing Body

The Annual General body of MBCETAA was conducted on 7th December 2020. It was decided to register the alumni association in accordance with the Travancore-Cochin Literary, Scientific and Charitable Societies Registration Act, 1955. The following members of the association were elected by the General Body to register the society.

1. Dr. Abraham T Mathew, President, Principal, MBCET(Ex-officio)
2. Fr. John Vilayil, Executive Member, Bursar
3. Mr. Akhil Raj S R, Vice President, 2012-14, (M.Tech) CE.
4. Mr. Bobin Saji George, General Secretary, 2008-12, (B.Tech) ME.

5. Mr. Ranjith H, Joint Secretary, 2012-14, (M.Tech) ME.
6. Ms. Athira V, Treasurer, 2006-10, (B.Tech) ECE.
7. Mr. Ramjith R P, Executive Member, 2008-12, (B.Tech) IT.
8. Ms. Surasmi N L, Executive Member, 2006-10, (B.Tech) EEE



MBCETAA Office Bearers

Staff Welfare Measures

Group Personal Accident Insurance Policy for the Employees

College had implemented a Group Personal Accident Insurance Policy for the Employees during the year 2018. The same has been renewed for the third time recently. All the employees on the roll are covered by the Policy. This is one of the Tailor Made Policies of M/s United India Insurance Co. Ltd.

The main features are :

Covers the risk of permanent total Disability/Death due to an accident for the Employee – up to Rs.10 lakhs

Medical Treatment Benefit for the Employee in the Hospital due to an accident – OP day treatment allowed for features and disability up to 10% of the Accident Treatment Expenses – up to Rs.1 lakh per year

WORKSHOP ATTENDED BY FACULTY

Ms. Anupama Krishna D, Assistant Professor, Department of CE, attended an online advanced course on 'Longevity of Steel and RC Structure against Fire and Corrosion', organized by the Council of Scientific and Industrial Research-Structural Engineering Research Center.

AUTOMATA ACTIVITY

A design competition was conducted by the Mechanical Department Association – AUTOMATA for students and alumni on the following two topics; 'Mechanism for opening a swinging door upon a signal' and 'Mechanism for ringing a bell upon a signal', both with sensor based inputs. The design by Mr. Vimal George and Mr. Adithya Krishna Menon were shortlisted.

It has been decided to convert these designs into products (as per the requirement of a company named SOFTLAND INDIA PVT LTD) at our IEDC Lab, under the guidance of Mr. Melvin Jacob and Mr. Ananthan S. P., Asst Professors, MED.

FACULTY ACHIEVEMENTS

Mr Vinod V., Assistant Professor, MED secured admission for Ph.D. at the Department of Mechanical and Aerospace Engineering, IIT Hyderabad.

AKSHARAKOOTTAM



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-In Association with **ISTE - MBCET Presents**

AKSHARAM FEST

17 Nov 2020 - 7 DEC 2020

Events are:-

- IMPROMPTU
- ECHO
- WAR OF WITS

Register on:

<https://forms.gle/nU1zD94Ti1jgFuBf9>



Developer Student Clubs (developers.google.com)

Developer Student Club (DSC), MBCET conducted the first session of the event 'Android Study Jams' on 4th December 2020. **Amal Joe** (S3 CS2), who was selected as the Android Study Jam Facilitator, delivered the first session on the topic 'Introduction to Kotlin'.

Currently, 80 students are enrolled in the program. To ensure their progress and to help them in their journey, DSC will host the discussion sessions every Wednesday and Saturday.



Training and Placement Unit

Four-day Infosys Campus Connect Soft Skills Webinar Series for 10 nominated students from 2022 passing out batch completed on 4th December 2020.

Infosys Phase I interview was conducted on 6th December 2020.

Investnet Virtual campus recruitment was conducted on 7th, 8th, and 9th December 2020, starting with a pre-placement talk followed by an online test and Technical and HR interview.

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

•STUDENT ACHIEVEMENTS



Merish Kuruvilla Mathew (S7 EC2) secured the first prize for the debate competition - Engineer's Debate, and **Suma V.** (S7 EC2) secured the second prize for the Paper presentation, held as part of HORIZON'20 - a technical fest organized by the Department of Electronics

and Communication Engineering & Robotics and Automation of, Saintgits College of Engineering on 5th December 2020.



FLOW MEASURES, A startup under Kerala Startup mission had conducted campus recruitment program. **Mr. Ashvinth S. S.**, a student from MED got selected as Executive in Operations and sales division. The recruitment drive was organized by our faculty **Mr. Bobin S. G.**, Asst Professor, MED.



Mr. Jobin Tomi (CE 2016-20) has been selected as the State Panel Umpire recently.

Musical Band



Thaandav is a Kerala-based soft rock band founded by **Shaheen Shihab**, **Sreehari J.** and **Sidharth S.** of S5 EC1. The band was previously known as **Tape Recorder**

which included **Shaheen Shihab**, **Sreehari J.**, **Sidharth S.**, **Akhil P** and **Ananthakrishnan A.** Later **Arjun Sajeer**, **Meenakshi R. Nair**, **Abin Abraham**, **H. Ramakrishnan** and **Rishi J. R.** joined the band and was upgraded to soft rock band '**Thaandav**'. **Thaandav** made its first performance at MBCET.

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