Principal's Message

To become capable enough to stay ahead of the competitive world of science and technology is just a matter of great concern for every country. It needs constant pursuit.

It wants us to foresee things before others pick it up. The proverbial saying 'Early bird catches the worm' is true in the investigations we conduct for new technologies as well. In 1940's the semiconductor was seen as a special one. The point contact transistor of 1947 and the junction transistor of 1948 could lead to integrations of circuits to a big scale, which no one imagined at that point in time. A similar wonder can be seen in the case of Graphene, which is projected as a miracle material. Graphene is the world's thinnest, strongest and most conductive material of both electricity and heat. (The Hindu 01 June 2023) It conducts electricity better than copper. It is 200 times stronger than steel but six times lighter. It is almost perfectly transparent as it absorbs only 2% of the light passing through it. Graphene is a disruptive technology; one that could open up new markets and even replace existing technologies or materials.(https://www.graphene.manchester.ac.uk/) Let us try to understand and apply the new material so that we will not miss another revolution that can push our country forward.

Dr. Abraham T Mathew

Patent Received

Dr. Dishore S V, Asst. Prof., EED has obtained a design patent on 'Modular Coconut Scrapper'. The design patent, bearing the Design Number: 374689-001, has been registered under the Intellectual Property Rights (IPR) system, recognizing the uniqueness and originality of the designed tool.

ProX-Final Year Project Expo

eNIX, the Electronics Association, organized **ProX** - the final year project expo, on 29 May 2023. The exhibition showcased 29 projects developed by the S8 students. **Mr. Sanju Mathew**, CEO, Code of Duty Innovations and **Mr. Arjun Shyam**, CEO, Kalpa Sustainable Lightings evaluted the projects. The Best Project Awards were bagged by **Aishwarya Nair S, Amrutha S, Anant Nair, Ashwin K** (S8 EC1) guided by **Mr. Arun J. S.**, Asst. Prof., and by **Amal Anilkumar, Faizan Ahamed Dawood Majahar, Josipha Sebastian, Nandan S** (S8 EC2) guided by **Dr. Jayakumari J**, HOD, Prof., Dept. of ECE. Faculty Coordinators: **Ms. Deepa P L** and **Mr. Anoop K Johnson** (S8 Project Coordinators, ECE).

Faculty as Chief Guest inaugurated STTP

Dr. Nidhi M. B., Asso. Prof. MED, was the Chief Guest at the 5 day STTP on Machine Learning for Cyber Security organised by Toc H Institute of Science and Technology on 26 May 2023. She also delivered a session on 'Role of AI and ML in Cyber Security'.

Faculty Interaction with Outside World

Dr. Tessy Mathew, Prof., Dept. of CSE served as the judge for 12th CSI InApp Project Awards 2023. CSI InApp Student Project Awards were established with the intention to recognize and promote students who demonstrate exceptional talent in developing software applications.

In-house Internships Completed

Aaron B Daniel, Aneeta Binu Philip, Gowri P, Jephin John Kutty, Roshan Roy, Susan Jacob Palamootil; students from Dept. of CSE have completed their in-house project titled 'Drug Recommendation System' under the guidance of Ms. Poorna B.R., Asst. Prof. (CS) and Dr. Jesna Mohan, Asst. Prof. (CS).

Jeena Sharon Philip, Jibi Ann Mathew, Jini Johnson, Kashyap Sanal, Megha K Saji, Melvin Joseph K; students from Dept. of CSE have completed their in-house project titled 'An IoT Based Secure Smart Farming' under the guidance of Ms. Jisha Jose, Asst. Prof. and Dr. Shini Renjith (CS).

Christeena Maria Sabastian, Gowri Nandhana; students from Dept. of CE have completed their in-house project titled 'Pavement Rehabilitation Using Ultra Thin White Topping' under the guidance of Dr. Jisha S. V, Asso. Prof. & HoD, CE and Dr. M. Satyakumar, Professor (CE).

Hands-on Session

Illumina, the Association of Department of EEE, organized a Three-day hands-on session on Arduino and Robotics for school children of 10th, 11th and 12th standards from 24 to 26 May 2023. The sessions were handled by Mr. Anil Kumar B. S, Project Engineer, MBCET and there were 22 participants from various schools in the city. The last day included a competition where each group had to interface the sensors to a robotic car and control it using a mobile app. A prize money of Rs. 5000/- was handed over by the Dr. Abraham T. Mathew, Principal at the valedictory function.

Project Expo

Illumina organized a Project Expo – an exhibition of final year projects on 29 May 2023 in the Faraday Hall. Mr. Midhun M S, (Alumnus, 2016-2020 EEE batch), Engineer, Veli Research Centre, ISRO and Mr. Vishnu M. Nair, (Alumnus, 2017-2021 EEE batch), Data Scientist, Siemens were the guests of honour for the event. Two best projects were awarded a cash prize of Rs. 3000/-

Alumni Association: New office Bearers

Participation in Anert Expo

Dr. Dishore S V, **Mr. Aswin R B** and **Mr. Anand B H** of EED attended the RE and EV expo conducted by ANERT. The retrofitted EV autorickshaw developed by a team of faculty members from EED consisting of **Dr. S. Ushakumari, Dr. Nisha G K, Dr. Dishore S V, Mr. Aswin R B** and **Mr. Anand B H** of EED in the EV laboratory was displayed in this expo during 30 May to 1 June 2023.

MBCETAA Best Project Awards 2023

MBCETAA instituted the Best Project Awards for two projects from each Department in 2023 also. Each of the Best Projects were awarded a certificate and a cash prize of Rs. 5000/-. The awards were distributed by **His Beatitude Moran Mor Baselios Cardinal Cleemis Catholicos** in the Exodos 2023 in the presence of **Dr. S. Unnikrishnann Nair**, Director VSSC and other dignitaries.

S. No	Names	Title of Project	Guide	Class
1	Rohith U Nair Greeshma D G Laby Mathew Ninan Jeenu L Jose Arya A	Implementation of Multipurpose RFID Tag	Dr. Sheryl Arulini	EE1
2	Mayoorika Venu Tomin J S Vaishnav Dev B Vivin John Thomas	Industrial Automation And Implementation of Coconut Breaking System	Dr. Nisha G.K.	EE2
3	Akul Lal Ananthan A Yethil A N	Flexible Single Valve PSA Oxygen Concentrators For Medical Use.	Dr Nidhi M B	ME1
4	Aswathy Mohan Nithik Sudeesh Sivan Nair Arghya P S	Thermophysical Property Estimation of Anisotropic Material Using Inverse Heat Transfer Technique.	Mr. Abhiram R Nair	ME2
5	Aishwarya Nair S Amrutha S Anant Nair Ashwin K	Intelligent Speed Adaptation by Traffic Sign Recognition and obstacle detection using Deep Learning	Mr. Arun J S	EC1
6	Amal Anilkumar Faizan Ahamed Dawood Majahar Josipha Sebastian Nandan S	Development of Transit Signal Priority Module with Integrated AI Assistant	Dr Jayakumari J	EC2
7	Deepak Mathews Koshy Kevin Jacob Sanna Pramod	Verivote - Smart Election System using Blockchain	Prof. Raju K Gopal	CS1
8	Jithin Aniyankunju Jonan Mathew George Sarang Sunil A Vaishnav Subhash	Classio - The Virtual Classroom	Dr. Jesna Mohan	CS2
9	Devika Jose Feba Ann Varughese Navajith Sasi Pallavi Premjith	Wastewater Treatment Combined with CO2 Biofixation and Biofuel Production using Indigenous Microalgae	Dr. Jaya S Pillai	CE1
10	Chikku Elsa Thomas Nandana J Susan Teji Vaishnav J	Electrocoagulation Process for Hospital Wastewater Treatment	Dr. Archana J Satheesh	CE2

ADMISSIONS 2023

MAR BASELIOS
COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous College affiliated to APJ Abdul Kalam Technological University)

Code
MBT

NBA Accredited Programmes

B.Tech Civil Engineering	120 seats
B.Tech Computer Science and Engineering	120 seats
B.Tech Electronics and Communication Engineering	120seats
B.Tech Electrical and Electronics Engineering	60 seats
B.Tech Mechanical Engineering	60 seats

New B.Tech Programmes started in 2022

B.Tech Computer Science and Engineering(Artificial Intelligence)	60 seats
B.Tech Electrical and Computer Engineering	60 seats

M.Tech Programmes

M.Tech Computer Science and Engineering	18 seats
M.Tech IoT and Sensor Systems	18 seats
M.Tech Machine Design	18 seats
M.Tech Power Control and Drives	18 seats
M.Tech Structural Engineering	18 seats
M.Tech Telecommunication Engineering	18 seats
M.Tech Transportation Engineering	18 seats
Ph.D in all branches	

Contact Numbers for Admissions

General Enquiry
0471-2545868 (Working days)
9446572809 (M)

NRI Admission
94472 11341(M)

Established : 2002
First Accreditation by NBA: 2016
NAAC Accreditation with A Grade: 2016
Autonomous: 2020

MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY
Mar Ivanios Vidyanagar, Nalanchira, Thiruvananthapuram-695015, Kerala

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