



**MAR BASELIOS**  
COLLEGE OF ENGINEERING AND TECHNOLOGY

AUTONOMOUS

College Code : MBT. Accredited by NAAC with A grade. Five B.Tech Programmes accredited by NBA since 2016.

**MBCET**  
Bulletin

@officialmbcet



## PRINCIPAL'S MESSAGE

The Greek alphabets have been an integral part of Mathematical and scientific notations for centuries. The 24 alphabets, each with distinct uppercase and lowercase forms, provide a rich set of symbols for representing various concepts and quantities. Every alphabet such as Alpha, Beta, Gamma etc., has its own interpretation as a symbol with some of them even having multiple representations. Among these alphabets, the Greek letter pi holds a special place in Mathematics, Science and many Engineering disciplines. Primarily known as a Mathematical Constant, pi represents the ratio of a circle's circumference to its diameter. This means that no matter how big or small a circle is, the value of pi remains constant at  $22/7$  which is approximated as 3.14. Beyond its Mathematical significance, pi has found applications in various fields. In Physics, it appears in equations related to circles, waves, and electromagnetism. Engineers use it in calculations for circuits, machinery and structures. In Statistics and Probability, pi plays a role in certain distributions. The fascination with pi stems from its irrational nature. This means it cannot be expressed as a simple fraction and its decimal representation goes on infinitely without repeating. This unique property has captivated Mathematicians and enthusiasts for centuries, leading to countless attempts to calculate its digits with increasing precision. The first calculation of pi was done by Archimedes of Syracuse (287–212 BC), one of the greatest Mathematicians of the ancient world. Interestingly, it is reported that as of July 2024, pi has been calculated to 202 trillion decimal digits! In dedication to this amazing symbol, Pi Approximation Day is celebrated every year on 22nd of July, corresponding to the fraction  $22/7$ .

**Dr. S. Viswanatha Rao**

## MOU WITH HEX20



MBCET signed an MoU with Hex20, which is a space startup in Technopark, Thiruvananthapuram, on 22 July 2024, marking a significant step towards enhancing industry-academia collaboration. This MoU will focus on providing Industry exposure to students through internships and guest lectures, and integrating students into the space startup ecosystem.

## STUDENT ACHIEVMENT

**Abhav R Nair**, S3EL won High Commendation representing The United States of America in UNGA DISEC Committee at University College Model United Nations, Thiruvananthapuram.



## ROLL BALL CHAMPIONSHIP



**Cewin K. C. E.**, S5CS2 participated in the Thiruvananthapuram District Roll Ball Championship and secured First position. He has also been selected to the State camp.

## FACULTY AS RESOURCE PERSON

- **Dr. S Ushakumari**, Professor and Dean, Corporate Relations, has been the Resource person for the Faculty Development Programme organised by Bishop Jerome Institute on 9 July 2024.
- **Dr. Nidhi M. B.**, Professor, MED delivered a talk on "Education 5.0: Leveraging Power of Digital Information" at Mohandas College of Engineering and Technology, Trivandrum on 22 July 2024 as part of FDP organised by collegiate ISTE chapter.

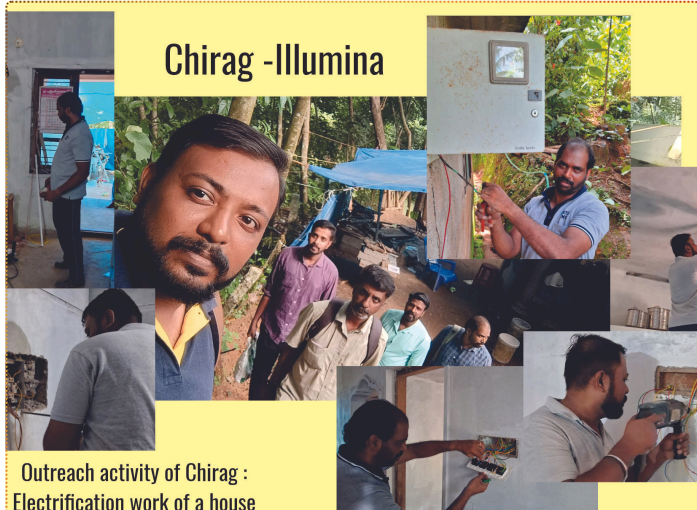


**Vision:** To be an Institution moulding globally competent Professionals as epitomes of Noble Values.

**Mission:** To transform the Youth as technically competent, ethically sound and socially committed professionals, by providing a vibrant learning ambience, for the welfare of humanity.

## OUTREACH ACTIVITY

## Chirag -Illumina



Outreach activity of Chirag :  
Electrification work of a house

Chirag, the outreach wing of Illumina, association of Dept of EEE successfully completed the electrification work of a house costing Rs.29,000/-. The work was completed on 17th July 2024. The complete work was carried out by **Mr. Rajeev Mon, Mr. Ratheesh Kumar V. S., Mr. Midhun Gopal, Mr. Anand B. H., Mr. Arun N., Mr. Vijil Francis, and Mr. Santhosh R. S.**, Technical Staff of Department of EEE.

## PAPER PUBLICATION

**Mr. G. L. Praveen**, Assistant Professor, CSED and **Dr. K. S. Sunil** have presented a paper titled "On the Complexity Aspects of Various Sub-Classes of Linear Languages" in the 2024 IEEE 9th International Conference for Convergence in Technology(I2CT), Pune, India (April 5-7, 2024) and published the work in IEEE Explorer. (DOI: 10.1109/I2CT61223.2024.10543909).

INFOSYS SPRINGBOARD  
CERTIFICATION

**Dr. Priya Mariam Raju** and **Dr. Neena Raj N. R.** Assistant Professors, Department of CSE, completed the Artificial Intelligence Foundation Certification and the Artificial Intelligence Primer Certification by Infosys Springboard.

## FDP ATTENDED

**Dr. Anne Dickson**, Associate Professor, CSED, participated in the Faculty Development Program on Network Security Tools and Implementations organized by Department of Computer Science and Engineering (Cyber Security) at Vimal Jyothi Engineering College, Kannur from 15 to 16 July 2024.

## M.TECH IN CE: ADMISSIONS 2024

DEPARTMENT  
OF  
CIVIL ENGINEERING

**MAR BASELIOS**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
AUTONOMOUS

Affiliated to APJ Abdul Kalam Technological  
University and approved by AICTE

**M.TECH ADMISSIONS 2024**

NEW M.TECH PROGRAMME  
ENVIRONMENTAL SCIENCE AND ENGINEERING**ADMISSIONS OPEN**

Eligibility: B.Tech/BE in Civil / Chemical /  
Mechanical / Environmental Engineering  
(OR)

M.Sc in Environmental Science / Chemistry/  
Biochemistry / Biotechnology / Microbiology

Number of seats: 18

- Interdisciplinary
- Well-equipped laboratories
- Experienced Faculty
- Active Industry collaborations for Internships and Projects
- 100% Placement assistance
- Approved research centre under APJAKTU
- AICTE scholarship for students with valid GATE score
- Non-GATE candidates can also apply

TUITION FEES  
Rs. 6300/- per  
semester  
(Govt. Fees)

For Admissions, please contact:  
9633265828, 9895086764  
[www.mbcet.ac.in](http://www.mbcet.ac.in)

## NAAC A Grade Institution

Mar Ivanios Vidyanagar, Nalanchira P.O., Thiruvananthapuram, 695015, Kerala.  
Autonomous College Affiliated to APJ Abdul Kalam Technological University &  
Approved by AICTE.





PLACEMENT



MAR BASELIOS  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
AUTONOMOUS



Training &  
Placement Unit  
Mar Baselios College Of Engineering and Technology

Total offers as on 25-07-2024 : 353

# Allianz

Number of students placed: 8



**Charudath K Nair**  
ECE



**Devika R**  
ECE



**Diya Narayan**  
ECE



**Joshua Jacob**  
ECE



**Jovan Mathew Thomas**  
ME



**Namitha Jose**  
EEE



**Nava Valsa Thomas**  
ECE



**Parvathy Anil**  
ECE



Number of students placed : 1  
Salary Package of 12 LPA



**Joshua Jacob**  
ECE



Number of students placed from M-Tech: 1



**Edwin Charles Mathew**  
MTECH - CSE



## ADMISSIONS 2024

**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.	120 seats
B.Tech Electrical and Electronics Engineering.	60 seats
B.Tech Mechanical Engineering.	90 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.	09 seats
M.Tech Structural Engineering.	18 seats
M.Tech Telecommunication Engineering.	18 seats
M.Tech Transportation Engineering.	18 seats
M.Tech Environmental Science and Engineering.	18 seats
Ph.D in all branches.	

**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

**General Enquiry**

7012025625 / 9447405869

0471-2545868

**NRI Admission**

9447211341

**Contact  
Numbers  
for  
Admissions**

Established: 2002  
NBA Accreditation: Since 2016  
NAAC Accreditation (A Grade): Since 2016  
Autonomous: 2020

**MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY**

Mar Ivanios Vidyannagar, Nalanchira, Thiruvananthapuram-695015, Kerala

(Managed by Malankara Catholic Educational Society of the Archdiocese of Trivandrum)

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