



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

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## DEPARTMENT ACTIVITIES

### VISION

TO BE A CENTRE OF EXCELLENCE IN COMPUTER SCIENCE AND ENGINEERING PROVIDING QUALITY EDUCATION AND RESEARCH FOR THE BETTERMENT OF THE SOCIETY.

### MISSION

TO IMPART SOUND KNOWLEDGE IN THEORETICAL AND APPLIED FOUNDATIONS OF COMPUTER SCIENCE AND ENGINEERING, AND TO TRAIN THE STUDENTS TO SOLVE REAL LIFE ISSUES TO EFFECTIVELY DEFINE AND SHAPE LIFE.

## PAPER PUBLICATION

Ms. Jisha Jose (Assistant professor, Dept. of CSE), Ms. Kesia Mary Joies (CSE), Mr. Rahul Sunil (CSE), Mr. Vishnu P. Kumar (ECE) (Students of 2018 - 2022 batch), published a paper entitled "Unmanned Ground Vehicle for Survey of Endangered Species", in the "Communication and Intelligent Systems" Journal part of the Lecture Notes in Networks and Systems springer book series, Proceedings of ICCIS 2022, Volume 2, pp 411-418, July 2023.

Dr. Jesna Mohan (Assistant Professor, Dept. of CSE) published a paper entitled "Computer-Aided detection of tuberculosis from X-ray images using CNN and Pattern Net classifier" in Journal of X-Ray Science and Technology, IOS Press (SCIE).

Ms. Anjali S. (Assistant Professor, Dept. of CSE), Ms. Vinny Pious, Mr. Joel J. Sebastian, Mr. J. Krishnanunni, Mr. Joveal K. Johnson and Mr. Ashik Mujeeb have published a paper entitled "Multi-Stage Fruit Grading System" in the Springer Book series Lecture Notes in Networks and Systems (LNNS, volume 672), Electronic ISSN 2367-3389.

Ms. Jisha Jose (Assistant professor, Dept. of CSE), presented the paper entitled “A Review on Optimization and Feature Selection Techniques for Data Security in IoT” in third International Conference on Pervasive Computing and Social Networking (ICPCSN 2023) organised by Narasu’s Sarathy Institute of Technology, Salem, India on 19-20, June 2023.

## **FACULTY AS RESOURCE PERSON**

Ms. Jisha Jose & Mr. Shon J Das, Assistant Professor, Department of computer science and engineering served as resource persons on the topic “Familiarization and Demonstration of 8086 Microprocessor” to 4th semester MSc Physics students on 14/6/2023 and 15/6/2023 at the Department of Physics, Mar Ivanios College (Autonomous), Thiruvananthapuram.

Ms. Vijitha Robinson, Asst. Professor, Dept. of CSE, served as the resource person for the session on "Functions, Pointers and Files in C" organized by the Department of Mechanical Engineering at College of Engineering, Trivandrum on 10th July 2023.



Ms. Lino Zachariah, Asst. Professor, Dept. of CSE, served as the resource person for the add-on course on “Computer Training for Law Students” at Mar Gregorios College of Law, on 10th July 2023.

Ms. Deepthi K. Moorthy, Asst. Professor, Dept. of CSE, served as the resource person for the add-on course on “Computer Training for Law Students” organized in collaboration with Mar Baselios College of Engineering and Technology, and IQAC of Mar Gregorios College of Law, at Mar Gregorios College of Law, on 21st July 2023.



## **REVIEWER - PICC 2023**

Dr. Tessy Mathew, Professor, Dept of CSE, served as a reviewer in the International Conference on Power Instrumentation Control and Computing (PICC 2023) under the aegis of the 7th International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST 2023) organized by Govt. Engineering College, Thrissur during 19-21 April 2023.



## SPARSHAM OUTREACH ACTIVITY

As part of Sparsham outreach activity, Department of Computer Science and Engineering distributed study materials and other essential items to AGAPE Children's Home, Kannamoola, Trivandrum on 3rd June 2023. AGAPE Children's Home is an orphanage with 15 dependents of age group 4 years - 18 years. Faculty Coordinators: Ms. Poorna B.R, Ms. GauriShree V.K



## YOUNG INNOVATORS PROGRAMME 4.0 DISTRICT LEVEL WINNERS - THIRUVANANTHAPURAM

Ms. Nikita ( S4 CS1 ), Ms. Ann (S4 EC2), Ms. Maushmi( S4 CS2) and Mr. Abhilash (S4 CS2) have won the District Level competition of Young Innovators Programme 4.0. Two ideas from Mar Baselios College of Engineering and Technology got selected and the institution secured the sixth position among the District Level Winner Institutions - Thiruvananthapuram in the Young Innovators Programme 4.0.

## A TALK ON "APPROACH ENGINEERING EDUCATION PROFESSIONALLY"

Department of Computer Science and Engineering in association with CSI SB and ACE organized a Talk session for second year B Tech, CSE students on 7/6/2023. DR.John Jose, Associate Professor, IIT Guwahati was the resource person. The presenter himself is a source of motivation to students, gave encouraging examples from his own life, and inspired students to be a self-motivator. He discussed the importance of positive thinking and attitude, which brings optimism into life and can make one brighter and more successful. Faculty Coordinators: Ms. Deepthi K Moorthy, Assistant Professor, Dept. of CSE Ms.Vishagini V, Assistant Professor, Dept. of CSE



**Department of Computer Science and Engineering**  
in association with  
CSI SB MBCET

**APPROACH ENGINEERING EDUCATION  
PROFESSIONALLY**

**07 JUNE, 2023**  
9:30-11:30 AM  
PASCAL HALL

**DR. JOHN JOSE**  
Associate Professor  
Department of Computer Science & Engineering  
Indian Institute of Technology Guwahati

Faculty coordinators



## MANAGEMENT COMMITTEE MEMBER, STUDENT ACTIVITY COUNCIL- CSI

Dr. Tessy Mathew, Professor, Dept. of CSE got selected as the Management Committee member of Student Activity Council- Computer society of India.



## JAPANESE LANGUAGE TRAINING AWARENESS SESSION

An orientation session on the importance of Japanese language in industry was organised on 22nd June 2023, 3pm, at Senatus. Mr. TD Krishna Kumar, Former Project Director: ANERT, Govt of Kerala, Former Manager: TELK (JV between Govt of Kerala and M/s Hitachi Ltd), Former Field Engineer LNG Projects: Chiyoda Corporation for 10 years (A Japanese Company) and Ms. Sharanya (Alumni, CSE) handled the session. 112 students from various departments attended the session. Student coordinator: Micheal Geroge Thomas



## PRE-PLACEMENT TALK

A pre-placement talk session was conducted on 16-06-2023, 10.30 am to 12.30 pm at Pascal hall for Computer Science and Engineering students. The talk session was led by the team from UST trivandrum. The Session was coordinated by Mr. Vipin Kumar KC, Corporate Relation Officer, MBCET and Mr. Praveen JS, Placement Coordinator, Dept of Computer Science and Engineering. Student coordinators Medlyn Sara Jacob, Allen Manu Philip (S6CS1), Aleena Scariah Vempeny, Shawn Siby George (S6CS2).



## WORKSHOP ON PO MAPPING

Teaching Learning Centre (TLC), MBCET organised a workshop on PO mapping on 27th May 2023. Thirty faculty from various departments participated in the workshop. Resource Person: Dr. Neethu Roy, Dean (Research).



# EXPERT TALK ON 'ROLE OF COMPUTER VISION IN TRANSPORTATION INDUSTRY'

An expert talk on 'Role of Computer Vision in Transportation Industry' was conducted on 23rd June, 2023 by the Department of Computer Science and Engineering in association with ISTE and CSI MBCET. Computer vision has revolutionized the way we interact with machines and how we understand the world. Different applications of computer vision, especially those in the transportation field were covered during the talk. The resource person was Ms .Anjana P Das , Technical Specialist, Tata Elxsi Ltd. The session was attended by more than 100 participants. Faculty coordinators :Ms.Poorna B.R, Ms.Anjali S(Asst. Professors, CSED)

# MoU with ICCONS

The Department of CSE, MBCET has signed an MoU with ICCONS on 26th June 2023. This will facilitate collaborative research, teaching and learning, and engagement for promoting inclusivity and access knowledge in the domains of mutual interest.



# ADD ON COURSE ON COMPUTER TRAINING FOR LAW STUDENTS

As a part of add on course on Computer training conducted for law students of Mar Gregorios College Of Law, Trivandrum in Collaboration with Mar Baselios Engineering College and IQAC of Mar Gregorios College of Law , Ms. Gauri Sree V K (AP , CSE) handled the training session on Microsoft Excel on 19th,20th,26th of June 2023.



## **ALUMNI ACHIEVEMENT**

Ms. Anjali Bhavana (Alumna of 2007-2011 batch) of Department of Computer Science and Engineering secured 94th rank in the Indian Forest Service Examination-2022.



**CHIEF EDITOR:-  
DR. JISHA JOHN**

**FACULTY EDITORS:-  
MS. PRATHIBHA S NAIR  
MS. VIJITHA ROBINSON**

**STUDENT EDITOR:-  
MR. BRYAN BISHI  
MR. FERWIN LOPEZ**

## **NON-DISCLOSURE AGREEMENT WITH CDAC**

The Department of CSE, MBCET has signed a non-disclosure agreement with CDAC on 21st June 2023. This is to enable data set sharing as part of the collaborative project work on AI and Machine Learning.