



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.

CODE-PREDICT



CSI SB MBCET in association with Department of CSE conducted coding competition CODE-PREDICT, C Output Prediction Quiz On 2nd march 2024. The event was organised exclusively for 1st year students.

Faculty coordinator:

Ms. Deepthi K Moorthy

Student coordinator:

Ms. Varsha Renjith

Winners:

Mr. Advait Manoj S2 CS2

Mr. Jithin Rajesh S2CT

Mr. Adithyan J S2CT

MoU with Nissan Digital India LLP

MBCET has signed an MoU with Nissan Digital India LLP in relation with their Campus Connect Program, focused at building strong ties with academia and providing students with valuable real-world experiences through meaningful collaborations, on 8th February 2024. As a part of this initiative, NDI is introducing an industry elective on Applied Data Science for the S6 students of the Department of Computer Science and Engineering. Shri. Ramesh Miraje, NDI Head Divisional General Manager, formalized this pThis collaboration opens the door to develop talent that is industry ready and would also open opportunities for internship and employment opportunities at Nissan Digital India.

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GATE RESULTS

Many final year and passout students of Mbcet qualified this year's GATE Exam. Mr. Amal Joe (2019-2023 Batch CSE) got AIR 161.



PAPER PUBLISHED

- JISHA JOSE (ASSISTANT PROFESSOR IN CSE) Published Journal paper titled "Unveiling the IoT's dark corners: anomaly detection enhanced by ensemble modelling" in "AUTOMATIKA" Journal for control measurement, Electronics, Computing and Communications" on Feb 8th 2024.
- Dr. Neena Raj N. R. (Assistant Professor, Dept. of CSE) and Saeeda Sulfi published a paper entitled "A Secure Watermarking Based Image Integrity Verification in IoMT" in the proceedings of International Conference on Computing, Communication, and Intelligent Systems (ICCCIS). DOI:10.1109/ICCCIS60361.2023.10425401

DIGITAL DEFENDERS

The "Digital Defenders" - Security Awareness Strengthening programme was hosted by Mar Baselios College of Engineering and Technology, Thiruvananthapuram. The workshop was jointly conducted by the Kerala Security Audit and Assurance Centre (KSAAC) and Digital University Kerala.

Microsoft Azure Data Fundamentals Session by EY GDS

The Department of Computer Science and Engineering, in association with the Training and Placement Unit, hosted a session on Microsoft Azure Data Fundamentals on February 27, 2024, from 3:30 PM to 4:30 PM at Shannon Hall. The session was led by Data engineers, Mr. Vishnu Govind, and Mr. Anish Menon from Ernst & Young Global Delivery Services, placing a strong emphasis on empowering 3rd-year CSE students and guiding them into the realm of Cloud Technologies. Student Coordinators: Ferwin Lopez, Sreeparthip V., Diya Sundeep, Riyanna Maria Abison, Faculty Coordinators: Dr. Anne Dickson, Ms. Merlin George.



ICFOSS TECHVENTURE

ICFOSS is conducting Training & Hackathon programs on Open IoT, Open Drone, and Cyber Security during March 2024. The objective of "FOSS TechVenture" is to inspire students to innovate, cultivate an entrepreneurial mindset, and gain practical knowledge in the rapidly evolving fields of IoT, Drones, and Cybersecurity. The selected participants from the program will have the opportunity to attend specialized training sessions in their chosen domains. The registration for the FOSS TechVenture program is live now.



ICFOSS TECH VENTURE
CAPACITY BUILDING PROGRAMME FOR STUDENTS TO FOSTER INNOVATION & ENTREPRENEURSHIP

ORGANIZED BY
ICFOSS
An International Organization
Since 1988

Empowering Minds. Expanding Horizons:
Harnessing the Power of FOSS

IoT
Drone
Cyber security

6th March
From 9:00 AM

Register Here

PHASE I
AWAKENESS SESSION
HALF DAY SESSION
4 VENUES
150 PARTICIPANTS PER VENUE
600 PARTICIPANTS TOTAL

PHASE II
TRAINING SESSION
TWO DAY WORKSHOP
3 VENUES
30 PARTICIPANTS X 2 DAYS
180 PARTICIPANTS TOTAL

PHASE III
HACKATHON
18 HOURS
1 FINAL VENUE
@ ICFOSS
45 PARTICIPANTS

REGISTRATION FEES : ₹ 100

VENUE:
MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY

Faculty Coordinator: Mrs. Dhanya L K : 8921756854
Student Coordinator: Amritha Manoj : 9946820771

PAPER PRESENTED

Mr Praveen GL(Assistant Professor, Dept of CSE) presented a paper titled "Towards the recognition of restricted linear languages" in the three-day international conference on theoretical and applied computing (ICTAC-2024), jointly organized by the Departments of Basic Sciences & Computer Applications, Amal Jyothi College of Engineering sponsored by DST SERB from 14th to 16th February 2024.

SESSION CHAIR

Dr. Jesna Mohan , Associate Professor, Department of CSE served as the session chair at the International Conference on FOSS Approaches towards Computational Intelligence and Language Technology (FOSS-CIL T24), organised by International Centre for Free and Open Source Solutions (ICFOSS) held on 21st and 22nd March 2024.



WORKSHOP ON FLUTTER

As a part of HASH#39;24, the technical fest organised by the department of computer science and engineering the first workshop of the series was conducted by Tomatrix Technologies on 13 th March 2024. The session was on Flutter, primarily aiming the students of department of CSE. Total of 60 students attended the session.



The workshop provided participants with a comprehensive understanding of cybersecurity principles, techniques, and best practices. The topics of discussion included Password Security, Hacking, Hackers and Ethics, Phishing, Cryptography, Steganography, Hashing and Salting, Digital Signature and Certificates and Dark Web.

Additionally, five selected students from various colleges received certificates from Bursar Fr. John Varghese as recognition for their participation and engagement. The faculty coordinators were Ms. Dhanya L. K. and Dr. Priya Mariam (Asst. Professors, Dept. of CSE), and student coordinators were Mr. Aadhithya S. L. and Ms. Amritha Manoj (S4 CT)



REVIEWER AT THE INTERNATIONAL CONFERENCE

Ms. Dhanya L K (Assistant Professor, Dept of CSE) was a Reviewer at the International Conference on FOSS Approaches towards Computational Intelligence and Language Technology (FOSS-CIL T24), organised by International Centre for Free and Open Source Solutions (ICFOSS) held on 21st and 22nd March 2024.

FACULTY AS RESOURCE PERSON

Ms. Jisha Jose, Assistant Professor, Department of computer science and engineering has been a resource person for "Familiarisation and Demonstration of 8086 Microprocessor " to semester 4 MSc Physics students on 18.03.2024 in the Department of Physics, Mar Ivanios College (Autonomous), Thiruvananthapuram.



FOSS Tech Venture Awareness Session

The FOSS Tech Venture Awareness session, organized by ICFOSS, took place at Vishwesharaya Hall on March 6th, 2024. Principal Dr. Abraham T Mathew and ICFOSS Program Head Mr. Srinivasan R delivered the keynote address. The session featured insightful discussions on IoT, Drones, and Cybersecurity. Jaison Jacob, Ajaya Jose, and Gopika T G led the discourse on Open IoT, while Sidharth Mohan Nair and Francis Rohan John covered Open Drone, and Gokhil AB addressed Cybersecurity. Dr. Vishwanatha Rao, Vice Principal, facilitated the event.

A total of 140 students from various colleges within Trivandrum, including MBCET, actively participated in the event. At the conclusion of the session, the resource persons were honored by Bursar Fr. John Varghese. .

INTERNSHIP AT IIT PALAKKAD

Adlu Rahman(S6CS1),Abhishek Raman(S6CS1) ,Samuel John(S6CS2) and Rithin George (S6CS2) got selected as Interns with stipend for the ERP project in IIT, Palakkad.

FDP ATTENDED

- Ms. Gayathri K S (Assistant Professor, Dept of CSE) has participated in the One Week National level Online Faculty Development Program on Outcome Based Education and Application of Generative AI in Teaching and Research, organised by the Internal Quality Assurance Cell (IQAC) of Government College Kottayam, in association with The Kerala State Higher Education Council (KSHEC) from 06 March 2024 to 13 March 2024 and has successfully completed all the tasks, assignments and assessments and secured an A grade.
- Ms. Poorna B.R. & Ms. Vijitha Robinson (Assistant Professors, Dept. of CSE) have participated in one week National level Faculty Development Programme on “Impact of Emerging Technologies in AI/ML and Data Science” organized by the Department of Computer Science and Engineering, Madanapalle Institute of Technology and Science in association with Computer Society of India, from 26 th February 2024 to 2 nd March 2024.
- Ms. Asha S, Associate Professor, Department of CSE, Mar Baselios College of Engineering and Technology has participated in the One Week National level Online Faculty Development Program on Outcome Based Education and Application of Generative AI in Teaching and Research, organised by the DST-CURIE-AI center of Sri Padmavati Mahila Visvavidyalayam (SPMVV University), Tirupati, in association with IPSR Solutions limited from 18 March 2024 to 23 March 2024 and has successfully completed all the tasks, assignments and assessments and secured an A grade.

- Ms. Poorna B.R. (Assistant Professor, Dept. of CSE) has participated in one week International level Faculty Development Programme on "Emerging Tools and Techniques in Machine learning and Data Science" organized by the Department of Computer Science and Engineering, Madanapalle Institute of Technology and Science from 5th February 2024 to 10th February 2024.
- Mr. Shon J Das, Assistant Professor, Dept. of CSE participated in one week STTP on Technology for Agriculture organized by Department of Electronics and Communication Engineering, SLIET, Longowal held during February 5 - 9, 2024.
- Mr. Anand Haridas, Dr. Neena Raj N R, Ms. Krishna L, Ms. Merlin George and Dr. Priya Mariam Raju, Assistant Professors, Department of CSE participated in the 7-day online International FDP on "Latest Trends and Techniques in Software Engineering: An Industry Perspective" organized by the department of CSE, CHRIST(deemed to be University), Bangalore from 20th January to 27th January, 2024.
- Mr Praveen GL(Assistant Professor, Dept of CSE) participated in the three day Faculty Development Program on "Foundations of Theoretical Computer Science" sponsored by Science and Engineering Research Board (SERB) and organized by Theoretical Computer Science Group, Department of Computer Science & Engineering, Indian Institute of Technology Madras, Chennai, from 29th February to 2nd March 2024.

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

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

**STUDENT EDITORS:-
MR.ADVAITH MANOJ
MR.FERWIN LOPEZ**

FDP ON "DIGITAL FORENSICS"

The Department of Computer Science and Engineering in association with CSI SB, Mar Baselios College of Engineering and Technology organized five days faculty development programme on "Digital Forensics" in hybrid mode from 19 - 23rd February, 2024. FDP commenced with a formal address by the Assistant HOD Dr. Anne Dickson. She addressed both the offline and online participants and welcomed them to the FDP. The five day Programme included sessions on Advanced topics on Digital forensics, Relevance of Forensics in an Organization, Emerging Areas and Challenges in Cyber Forensics, Data privacy, Cyber Physical Systems Security, Live system Forensics, Malware analysis, Memory Forensics, Advanced System Hacking, Techno Legal Perspective in Cyber Forensics, Email Investigation, Cyber Threat Intelligence etc. There were hands-on sessions for email investigation, malware analysis, memory forensics etc.

The resource persons were Ms. Achu Mariam John (Analyst-Information Security, UST, Thiruvananthapuram) , Ms. Dija S(Scientist- F, CDAC, Thiruvananthapuram), Dr. Dittin Andrews(Scientist- E, CDAC, Thiruvananthapuram), Dr. Ranju S Kartha(Associate Professor, Dept of IT, Rajagiri School of Engineering And Technology), Mr. Jayaram P (Scientist- E, Cdac, Thiruvananthapuram), Mr. Hiron Bose(Scientist- E, CDAC, Thiruvananthapuram) , Dr. Sibi Chakkaravarthy S (Associate Professor, School of CSE, VIT Andra Pradesh), Mr. Adonis Thokalath Sunny(Senior Associate, Ey, Thiruvananthapuram), Mr. Shijin C (Project Engineer, Cdac, Thiruvananthapuram), Mr. Midhun Mohan MG (Supervising Associate, Ey, Thiruvananthapuram), Mr. Binny Jacob Kuriakose (Assistant Director, Ey, Thiruvananthapuram). Dr.Abraham T Mathew, Principal, MBCET was the Chief Guest for the Valedictory function of the FDP and he delivered the valedictory address.

The program was open to Industry persons, Faculty and Research Scholars of Engineering Colleges, Universities, and other allied disciplines. There were 56 registrations for the event. Ms. Prathibha S. Nair and Ms. Vijitha Robinson, Assistant Professors, CSE were the Faculty Coordinators.

