



MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DEPARTMENT ACTIVITIES

FEBRUARY-MARCH 2022 | ISSUE NO. 12

PAPER PUBLICATIONS

A paper titled "Taxonomy grooming algorithm - An autodidactic domain-specific dimensionality reduction approach for fast clustering of social media text data" authored by Dr. Shini Renjith, Asst. Prof, Dept. of CSE, Dr. Sreekumar A., Professor, CUSAT and Dr. Jathavedan M, Emeritus Professor, CUSAT, has been published in the peer-reviewed, SCIE and Scopus indexed Journal 'Wiley Concurrency and Computation: Practice and Experience'.

A paper titled 'An Empirical Research and Comparative Analysis of Clustering Performance for Processing Categorical and Numerical Data

Extracts from Social Media' authored by Dr. Shini Renjith, Asst. Prof, Dept. of CSE, Dr. Sreekumar A., Professor, CUSAT and Dr. Jathavedan M, Emeritus Professor, CUSAT, has been accepted for publication in the peer reviewed SCIE and Scopus indexed, open access Journal Acta Scientiarum - Technology ,published by UEM (State University of Maringá, Brazil).

A paper titled "Using Computer Vision to Detect Violation of Social Distancing in Queues" authored by Mr. Ismail M., Mr. Najeeb T., Mr. Anzar N.S., Mr. Aditya A.(2017-2021 Batch of CSE) , Ms. Poorna B.R, Asst. Prof, Dept. of CSE, Mbcet was published in: Smys S., Balas V.E., Palanisamy R. (eds) Inventive Computation and Information Technologies, Lecture Notes in Networks and Systems.

PAPER PRESENTATION ANIME QUIZ WINNERS

Ms. Sreeja. S. R, Assistant Professor, Department of Computer Science and Engineering presented her work entitled "A study on Parkinson's Disease under the context of Reinforcement Learning" in the 8th Annual Conference on Cognitive Science, from 20-22th Jan 2022.



A paper titled " MuteMe : An automatic audio playback controller during emergencies" authored by Mr. Jeremy D'souza, Mr.Akhil Madhu, Mr.Venkitesh S (S8 CSE students) and Dr. Shini Renjith, Asst. Professor, Dept. of CSE MBCET was presented in the Springer International Conference on Emerging Trends and Technologies on Intelligent Systems (ETTIS-2022) in association with the Petroleum-Gas University of Ploiesti, Romania.



Department of cse in association with ACE conducted an Anime Quiz- a quiz for all the anime fans on 8th February 2022. Harikrishnan R S from S7CS2 bagged first prize.. Manu Jose Abraham(S1 CE) won Second and Sanjay SS(S3 EEE) won third prize.



FACULTY ACHIEVEMENTS

Dr. Jesna Mohan and Dr. Shini Renjith, Asst. Professor, CSED, MBCET got approval for KTU research guideship.

Mr. Binu Jose A and Mr. Shibu V.S, Asst. Professor, CSED, MBCET qualified UGC NET-2022.

FACULTY AS RESOURCE PERSON

Dr. Jesna Mohan, Assistant Professor, Department of CSE was the resource person for the AICTE sponsored 5 days Online Short-Term Training Programme on "HIGH-PERFORMANCE COMPUTING AND DEEP LEARNING FOR IMAGE AND TEXT ANALYSIS SESSION-2" organized by the Department of Computer Science and Engineering, Mar Baselios College of Engineering. The program was open to Faculty, Research Scholars of Engineering Colleges, Universities, and other allied disciplines and Industry persons



Ms. Indu V, Asst. Professor, Dept. of CSE served as Judge for the DuK Innofest conducted by the Innovation Club of Kerala University of Digital Sciences, Innovation and Technology (Digital University Kerala) on 27th March 2022 as part of the Smart India Hackathon (SIH) which is a flagship event organized by the Ministry of Human Resource Department. The main aim of the event was to encourage students to find innovative solutions to the societal problems around them based on the problem statements provided by SIH2022 on various themes of Blockchain, Cybersecurity, Disaster Management, Smart Automation and Green Technology.



FACULTY INTERACTION WITH OUTSIDE WORLD

Mr. Robin Joseph, Asst. Professor, CSED, MBCET Served as External Inspector for evaluation of Computer Teachers of St. Thomas Schools on 22 Feb 2022



AICTE UHV COURSE

Ms. Vijitha Robinson, Department of Computer Science and Engineering, has successfully completed the 5-day online FDP on "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 31/01/2022 to 4/02/2022.

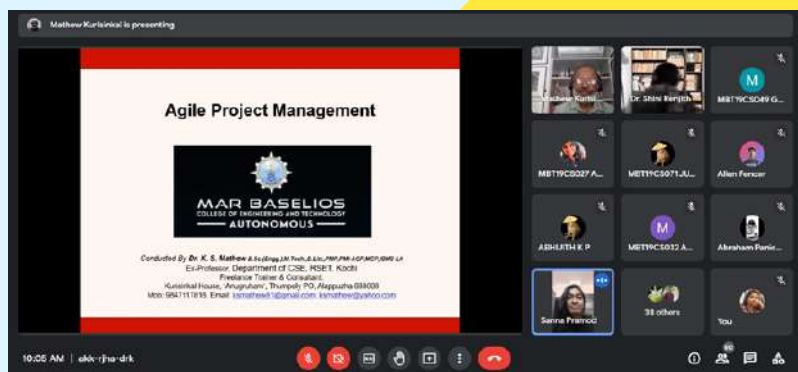
KSCSTE STUDENT PROJECTS SCHEME

The following student projects from department of cse got selected for funding by Kerala State Council for Science - Technology and Environment (KSCSTE)The publication grant is provided under the 'Student Project Scheme' supported by Department of Science and Technology, Govt of India. The projects were selected as the top 12 on a merit basis among various student projects submitted for Student Project Scheme from different colleges across the state.

- The project titled, 'Accident Alert System' by Ms. Aswathy Ravikumar as the Principal Investigator and the team includes Advait U., Alen S., Joveal K. Johnson, Kesia Mary Joies and Rahul Sunil, and supported by Dr. Jisha John and for project.
- The project titled, 'Automated Detection of Liver Tumor Using Deep Learning ' by Dr. Tessy Mathew as the Principal Investigator and the team includes Abhijith V, Mable Biju, Sachin Gopakumar, Sharon Andrea Gomez

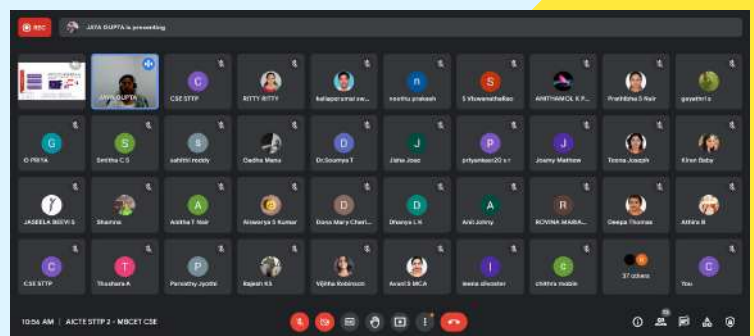
TALK SESSION ON AGILE PROJECT MANAGEMENT FROM INDUSTRIAL PERSPECTIVE

CSI MBCET & ISTE MBCET conducted a talk session on Agile Project management from industrial perspective on 7 th March 2022, from 10:00 AM-12:00PM. The event took place on Google meet. The speaker for the event was Dr. Mathew Kurisinkal, Ex-Professor in Computer Science & Engineering, Rajagiri and Freelance Trainer & Consultant in Software Industry. The talk was based on topic covered in Management of Software Systems, a subject in S5 Computer Science & Engineering. Student Coordinators : Akshita (S5 CS1), Melvin (S5 CS2) Faculty Coordinators: Dr. Shini Renjith, Ms. Poorna BR.



AICTE SPONSORED 5 DAYS ONLINE SHORT-TERM TRAINING PROGRAMME

The Department of Computer Science and Engineering, Mar Baselios College of Engineering and Technology organized the AICTE sponsored 5 days Online Short-Term Training Programme on "HIGH-PERFORMANCE COMPUTING AND DEEP LEARNING FOR IMAGE AND TEXT ANALYSIS SESSION-2" from 21 - 25 March 2022. Dr. Abraham T Mathew, Principal, MBCET formally inaugurated the STTP and delivered the inaugural address. Dr. Tessy Mathew, HOD, CSE delivered the welcome address. The Programme included sessions on Advanced topics on Machine Learning and Deep Learning models, Video processing and summarization, Image Processing, Sequential Learning, Problems on Machine Translation and so on. There were hands-on sessions for Image Classification, Object Recognition and detection using Tensor Flow/ PyTorch and also on AI and Cloud. Dr. S. Viswanath Rao, Vice Principal, MBCET was the Chief Guest for the Valedictory function of the STTP delivered the valedictory address. The program was open to Industry persons, Faculty & Research Scholars of Engineering Colleges, Universities, and other allied disciplines. There were 163 online registrations for the event. Dr. Tessy Mathew was the coordinator and Ms. Prathibha S Nair and Ms. Indu V, Assistant Professors, CSE were the co-Coordiators.



SUSTAINABLE TECH EXPO

Department of Computer Science and Engineering in association with CSI SB of Mbcet has organized "Sustainable Tech Expo 2022" on 2022 March 4 for the third semester CSE students, to showcase their Sustainable Engineering projects. The students came up with innovative technical ideas as solutions to the problems encountered in the areas of Energy Conservation, Water Preservation, Bio-diversity etc. Their ideas and Presentations were very well appreciated by the spectators. The Principal, Dr. Abraham T. Mathew inaugurated the event. Faculty Coordinators: Ms. Sreeja S. R. and Ms. Vijitha Robinson. Student Coordinator: Ms. Varsha Renjith



WOMEN'S DAY CELEBRATIONS

Department of Computer Science and Engineering in association with ACE conducted various programmes connection with International Women's Day on March 8th, 2022. A women's day Quiz were conducted, which included the quotes written by famous women personalities. The winners were awarded with prizes worth 1k. Winners are

1. Gowri Nandana SS (S5 CE1)
2. Emil Ben Joseph (S8 CS1)
3. Vinayak R K (S3 CS1)
4. Sneha R (S1 CS2)

As part of Women's Day, a debate on socially relevant themes were conducted. The winners were awarded with prizes worth 1.5k. Winners are

First Prize

- REVAND S (S3 CSE)
- NAVNEETH NAIR (S3 CSE)

Best Performance Award

- SOPHY MARIA JOY (S1 EEE)
- FEBA MARIYAM JACOB (S1 CSE)

A Poster Making competition were conducted. The winners were awarded with prizes worth 1.5k. Winners are

- Rashma Smitha Sajan (S3 CS2)
- Nandana TS (S1 CS1)
- Aby Chakupurakal (S3 CS2)

On March 3rd, from 3 pm to 4 pm, a one-hour motivational talk by a successful women media personality, Ms. Sofia Bind, Senior Producer. Media One was organized on the topic "Women Empowerment".

WORKSHOP ON OBJECT ORIENTED DESIGN-AN INDUSTRY ORIENTED APPROACH

The Department of Computer Science and Engineering, in association with CSI MBCET organised a two-day Workshop on the topic Workshop on Object Oriented Design - An Industry Oriented Approach on February 19 and 23, 2022 for S3 CS students as part of their curriculum of Object-Oriented Programming using Java. The session was conducted online through Google Meet from 2.30 to 4.30 PM. The resource person for the session was Mr. Biju S, Principal Engineering Lead, Travanleo Info Solutions, Technopark, Trivandrum. He delivered a detailed session on the practical application of Object-Oriented Concepts and how to develop a sample industry-based project using Java. The session was very interesting and really informative. The session was attended by more than 100 participants. The programme was coordinated by Dr. Jisha John, Associate Professor and Ms. Indu V, Assistant Professor, CSE, MBCET.

ALUMNI TALK

The alumni group of department of Computer Science and Engineering organized an alumni talk on the topic 'How to prepare for faang' on 3rd March,2022 from 11.30 am to 12.30 pm.The session was handled by Mr.Arvind Panicker, alumni of CSE(2018 passout batch).Coordinator Jayalekshmi J, AsstProfessor,CSE.



 Department of Computer Science and Engineering
 **Two Day Workshop on**

Java Object Oriented Design

- An Industry Oriented Approach



BIJU S
Principal Engineering Lead,
Travanleo Info Solutions, Technopark, Trivandrum

19 Feb 2022

- Java Project Structure
- Common Build Process
- Classes and Objects
- Inheritance
- Polymorphism
- Collections

23 Feb 2022

- Object Oriented Design
- Sample Application Design

Join via : meet.google.com/hze-tvrm-zdj

Target Audience : **S3 CSE Students**

 The Alumni group of the Department of Computer Science & Engineering is organizing an

ALUMNI TALK SERIES

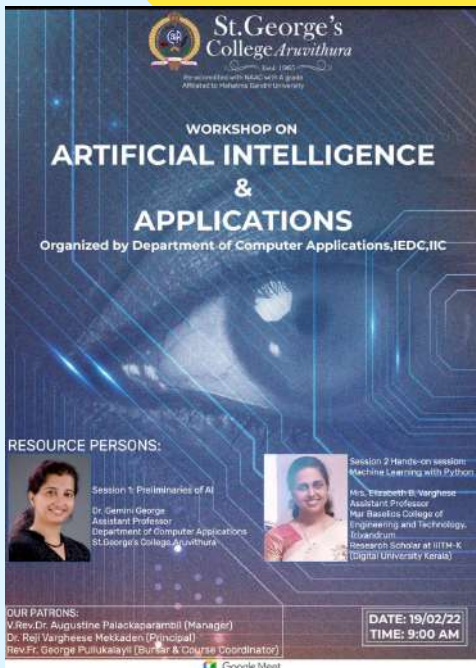
TOPIC: How to Prepare for Faang


SPEAKER: Arvind Panicker
Application Engineer at Google
Domain: Demand Forecasting and Partner Integration in Supply Chain



PROGRAM COORDINATOR:
Ms. Jayalekshmi J,
Asst. Prof., Dept. of CSE
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jayalekshmi.jemboet.ac.in

Date: 3rd March, 2022 Thursday
Time: 11.30 to 12.30 pm
Venue: Pascal Hall



FACULTY AS RESOURCE PERSON

Ms. Elizabeth B Varghese, Asst. Professor, CSED, MBCET handled a hands-on session on “Machine Learning with Python” on 19th February 2022 as a part of the workshop on “Artificial Intelligence and Applications” organized by Department of Computer Applications in association with IEDC and IIC of St. George’s College, Aruvithara.

SOCIAL EXTENSION ACTIVITY

As a part of Sparsham outreach activity, Department of Computer Science and Engineering gave essential items to Mythri cancer care society on 23rd Feb 2022. This is a charitable society. The contribution was purely voluntary but staffs and students immensely contributed for the collection. Ms. Anjali S coordinated this initiative

