



MANGALAM COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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NEWLY JOINED FACULTY MEMBERS

EDITORIAL BOARD

MS. RAJIMOL RAJU

ASSISTANT PROFESSOR.CSE

VISION

To become centre of excellence in computing and research where future generations embrace technologies wholeheartedly and use its possibilities to make the world a better place to live.

MISSION

Enlight the young talents to achieve academic excellence as well as professional competence by imparting state of the art knowledge in computing and to be admirable individuals with ethical values and appropriate skills.

PROGRAMME EDUCATIONAL OBJECTIVES

- 1.PEO 1 : Graduate will have strong foundation and profound knowledge in computing and allied engineering and be able to analyze the requirements of real world problems, design and develop innovative engineering solutions and maintain it effectively in the profession.
- 2.PEO 2 : Graduate will adapt to technological advancements by engaging in higher studies, lifelong learning and research, there by contribute to computing profession.
- 3.PEO 3 : Graduate will foster team spirit, leadership, communication, ethics and social values, which will lead to apply the knowledge of societal impacts of computing technologies

PROGRAM SPECIFIC OUTCOMES

- 1.PSO1: Apply the Principles of Computing in solving real world problems with sustainability.
- 2.PSO2: Apply Futuristic technology in designing and developing hardware and software solutions.





Dr.S.P.Predeep Kumar
Professor

Computer Science And Engineering

We wanted to take a moment to extend our sincerest thanks for your leadership and guidance during your tenure as our Head of Department. Your dedication and vision have been instrumental in shaping our team and achieving our goals.

Under your leadership, we have grown professionally and achieved significant milestones. Your support and encouragement have inspired us to strive for excellence every day.

As you move on to new endeavors, please know that your impact will be remembered and cherished by all of us. We wish you nothing but success and happiness in your future endeavors.

Thank you once again for everything you have done for us. You will be greatly missed.



Dr. Simy Mary Kurian
Associate Professor & HOD
Computer Science And
Engineering

We are delighted to welcome Dr. Simy Mary Kurian as our new Head of Department. With a PhD in Computer Science and Engineering from Karunya Institute of Technology and Science, she has received a prestigious research fellowship from the Ministry of Electronics and Information Technology (MeitY) with a grant of 2.5 lakhs. Her research interests encompass Image Processing, Artificial Intelligence, Machine Learning, and Deep Learning. Dr. Simy Mary Kurian has presented papers at national and international conferences, published articles in high-impact SCI and Scopus indexed journals, and has served as a reviewer for numerous technical publications. We are excited to have her leadership and vision guiding our department.

Join us in welcoming you to our community!

MESSAGE FROM HOD'S DESK

I'm delighted to extend warm greetings as we release our Newsletter for the Academic Year 2023-24, covering January to July. This edition highlights the various activities and achievements of our faculty and students. Our department is dedicated to preparing confident professionals for the real-world work environment. We offer an excellent academic atmosphere supported by a team of highly qualified faculty members who inspire students to develop technical skills and foster teamwork. The department regularly organizes professional development activities, communication classes, and personality development programs. Additionally, we promote participation in sports, co-curricular, and extracurricular activities at institute, intra-college, inter-college, and inter-university levels. Faculty and students actively engage in social initiatives both independently and through various clubs and organizations within the Institute. Our primary objective is to shape our students into responsible and skilled citizens. I extend sincere congratulations and appreciation to the team responsible for the newsletter for their dedicated efforts and commitment to showcasing the department's accomplishments and activities.

FACULTY ACHIEVEMENTS

Publications

- "Breast Cancer Diagnosis and Prognosis Using Triple Hybrid Deep Learning Approach," authored by Mr. Jayakrishnan B, has been published in the International Journal for Multidisciplinary Research (IJFMR) in the May-June 2024 issue. [DOI:10.36948/ijfmr.2024.v06i03.21520].
- "A Breakthrough Approach for Prostate Cancer Identification Utilizing VGG-16 CNN Model with Migration Learning," authored by Ms. Roja Thomas, presented at the esteemed International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2024). Organized by the IEEE MP Section and ABV-IIITM Gwalior, [DOI:10.1109/IATMSI60426.2024.10503011].
- "Multicriteria Generalized Regressive Neural Federated Learning for Cloud Computing Task Scheduling and Resource Allocation," authored by Ms. Neema George and Dr. Vinodh P. Vijayan, published in E3S Web of Conferences, 529, 04017 (2024), ICSMEE'24. [DOI: <https://doi.org/10.1051/e3sconf/202452904017>].

PATENTS

- "Security system utilization image recognition and cryptographic techniques." Application No: 202441030738 A, by Dr. S. Padmalal, Ms. Sijimol A. S., Ms. Renju Renjith, and Ms. Anuja Ann Mani.
- "Greenhouse automation using Machine to Machine Communication and IoT." Application No: 202441030747 A, by Ms. Jinu P. Sainudeen, Ms. Jayakrishnan B., Ms. Chintu Maria Thomas, Ms. Nezhin Noushad, and Ms. Athira S. Nath.
- "IoT and Machine Learning based Intrusion Detection System in Cyber Threats." Application No: 202441030733 A, by Dr. S. P. Pradeepkumar, Ms. Neethu Maria John, Ms. Nayana N. Panicker, and Mr. Anoop T. Sasidharan.
- "Enhanced Performance of Managed Service Providers Through Optical Wireless Network." Application No: 202441030717 A, by Ms. Neema George, Ms. Devi Gopal T., Ms. Sruthy Emmanuel, Ms. Roja Thomas, and Ms. Raihanath A. S.
- "Blockchain-Based Secure Storage and Management System for E-Health Data." Application No: 202441030746 A, by Dr. C. Sahayakinsly, Ms. Merlin Mary James, Ms. Anjumol Zachariah, and Ms. Sandra Raju.

FACULTY DEVELOPMENT PROGRAM

Dr.S.P.Predeep Kumar

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Ms.Neema George

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Ms.Neethu Maria John

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

FDP on “Research and publication Awareness” Organized by Mahaguru Institute of Technology from 19-02-24 to 23-02-24.

Ms. Sandra Raju

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 4-07-2023 to 08-07-2023.

FDP on “Outcome Based Education and Essential AI Tools for Teachers” Organized by St. Thomas College Palai from 10-01-2024 to 16-01-2024.

Ms.Anuja Ann Mani

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Mr.Anoop T Sasidharan

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Ms.Sruthy Emmanuel

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Ms.Merlin Mary James

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Ms.Nezrin Naushad

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Ms.Anjumol Zachariah

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Dr.S.Padmalal

FDP on “Artificial Intelligence and Machine Learning” Organized by Mangalam College of Engineering from 8-1-2024 to 12-01-2024.

Dr.C.Sahaya kingsly

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Ms. Athira S Nath

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 4-07-2023 to 08-07-2023.

FDP on “Outcome Based Education and Essential AI Tools for Teachers” Organized by St. Thomas College Palai from 10-01-2024 to 16-01-2024.

Ms. Jinu P Sainuden

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Mr.Jayakrishnan B

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

FDP on “Visual Intelligence : Exploring Image Processing and Computer Vision” Organized by CVR College of Engineering from 26-03-2024 to 30-03-2024.

Ms. Roja Thomas

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Ms.Nayana N Panicker

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Ms.Raihanath A S

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Ms.Siji mol A S

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.

Ms.Chintu Maria Thomas

FDP on “Cyber Security and Forensics” Organized by Mangalam College of Engineering from 22-1-2024 to 26-01-2024.



STUDENT ACHIEVEMENTS

PLACEMENTS– 2020–2024

TCS



ALBIN SABU



AMITH V
PURUSHOTHAMAN



AYUSHI S NAIR



ALBIN SABU



JJO ABRAHAM



SUJITH SAM SAJU

UST

SUTHERLAND



ALEENA BIJU



AMAL K SONY



ADWAITH B NAIR



ASHLY MARY VARGHESE



STELIN SHABU



HARIHARAN S NAIR

6D TECHNOLOGIES

TORC INFOTECH



ANUPRIYA MS



JAYAKRISHNAN KJ

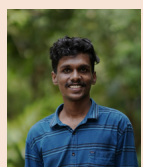


AMITH V PURUSHOTHAMAN



ADITHYA PRADEEP

QSPIDERS



ABHIJITH P S



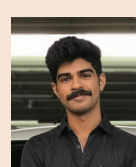
ALEN ELIAS
VARGHESE



ANUPRIY M S



ASIF MAJEED



HARIHARAN S NAIR



ADWAITH B NAIR

TALROP



AMAL K SONY



ALEENA BIJU



JAYAKRISHNAN KJ



ABHINAND R NAIR



ALEN SEBASTIAN XAVIER



DATAPY



ASWIN NADH



JAISUN T BIJU



NITHIN M JOJO



ABHINAND R NAIR



HARIHARAN S NAIR



SNEHA SHIJU



ANUPRIY M S



ASIF MAJEED



JITTA ELSA JOBY



ASISH ALBERT



ABHIJITH PS



DONA ELIZABETH SHAJI



ANANTHU B



ADWAITH B NAIR



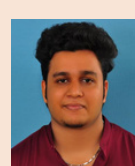
AISWARYA LAKSHMI TR



AKHILA MS



AROMAL RAJ



JAYAKRISHNAN KJ



SNEHA V BINU



SREEKUTTY K S



ALEN ELIAS VARGHESE

TOUCHQ



HARIHARAN S NAIR



ABHINAND R NAIR



ASISH ALBERT



STELIN SHABU

Congratulations to all the students from the 2024 batch who have secured placements! Your hard work, dedication, and perseverance have paid off, and we are incredibly proud of your achievements. The Department of Computer Science and Engineering applauds your success and is honored to have been part of your academic journey. Wishing you all the best as you embark on this exciting new chapter in your professional careers. May you continue to excel and make us proud! Remember, you always have a home here with us, and we look forward to hearing about your future accomplishments.

SPECIAL MENTIONS



ATHUL KRISHNA A
S6 CSE A

ALBIN VARGHESE
S6 CSE A

RAHUL ABRAHAM
S6 CSE B

SIDHARTH GOPALAKRISHNAN
S6 CSE B



Ms. Roja Thomas
Assistant Professor

Under the guidance of Ms. Roja Thomas, Assistant Professor of CSE, Mr. Athul Krishna A (CSE 6A), Mr. Albin Varghese (CSE 6A), Mr. Rahul Abraham (CSE 6B), and Mr. Sidharth Gopalakrishnan (CSE 6B) were awarded first prize and received funding of Rs. 1,00,000 for their project, "AR Learning Aid for Dyslexic Users," in the Spark Venture 2024 Ignite Innovation Challenge, conducted by ToCh Institute, Kochi and Freston Analytics Pvt. Ltd.



Sreelakshmi S
CS 6B

Ms. Sreelakshmi S, from the Department of Computer Science & Engineering (CS 6B), has been awarded the title "Ms. Kottayam" at the 48th Kottayam District Body Building Championship, organized by the District Sports Council.



Arjun Sabu
CS 6A

Mr. Arjun Sabu (CS 6A) participated in Kerala's first Industrial Park and Zoho R&D Labs event at CEIHRD Kottarakara on 19th February 2024, at 12 PM, held at the College of Engineering, IHRD Kottarakara.



ADITHYA PRADEEP
CSE S8 A



GEORGY THOMAS
CSE S8 A



GINCE GEORGE
CSE S8 A



HENAN N S
CSE S8 A



DR. S. PADMALAL
Professor/CSE
Principal Investigator



MS. NEETHU MARIA JOHN
Assistant Professor/CSE
Co-Investigator

Under the guidance of Dr. S. Padmalal, Professor of Computer Science and Engineering (Principal Investigator), and Ms. Neethu Maria John, Assistant Professor of Computer Science and Engineering (Co-Investigator), a team comprising Mr. Georgy Thomas, Ms. Adithya Pradeep, Mr. Gince George, and Ms. Henan N. S., all from CSE S8 A, has been awarded ₹25,000 in financial assistance from APJ Abdul Kalam Technological University. This support is for their innovative student project titled "A Humanoid Robot for Visually Impaired People."



ATHUL JOHNSON
CSE S8 A



ASHMI SUSAN MATHIEW
CSE S8 A



ANAS KURIAKOSE
CSE S8 A



GRIFFITH CHACKO
CSE S8 A



DR. C. SAHAYA KINGSLY
Professor/CSE
Principal Investigator



MS. ATHIRA S NATH
Assistant Professor/CSE
Co-Investigator

Under the guidance of Dr. C. Sahaya Kingsly, Professor of Computer Science and Engineering (Principal Investigator), and Ms. Athira S. Nath, Assistant Professor of Computer Science and Engineering (Co-Investigator), a team comprising Ms. Ashmi Susan Mathew, Mr. Athul Johnson, Mr. Griffith Chacko, and Ms. Anas Kuriakose, all students from CSE S8 A, has received a grant of ₹26,000 from APJ Abdul Kalam Technological University. This funding supports their project titled "Fire Extinguisher using IoT," aimed at developing an innovative IoT-based solution to enhance fire safety measures.



Adithyan H
CS 6A

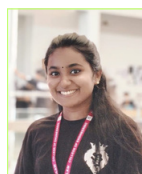
Congratulations, Adithyan H, on earning your NCC 'B' certificate! Your hard work and dedication have truly paid off. This achievement reflects your commitment to excellence, and we are proud of your success. Keep up the great work!

KSCSTE TECHFEST 2024



The AI-powered Service Robot Dog project, created by Rahul Rajan, Shone Varughese Mathew, Shoan Kurien Johnson, and Santo Joseph Mathew of S4 CSE(B), with guidance from their mentor Mr. Jayakrishnan B, will be showcased at the KSCSTE TECHFEST 2024. The event will be held on March 2nd and 3rd, 2024, at the Indian Institute of Technology (IIT) Palakkad.

ACADEMIC ACHIEVEMENTS



BHAVYA V RENJITH
9.15(SI A)



JERIN JOSEPH
8.94(SI B)



DEVIKRISHNA M
8.65(S3 A)



MADAV SURESH
9.25(S3 B)



ANAGHA ANILKUMAR
8.90(S5 A)



SRADHA SANTHOSH
9.07(S5 B)



ANUPRIYA MS
9.21(S8 A)



ROJAN SEBASTIAN
8.05(S8 B)

Asthra 8.0 TECHFEST 2024



Students from S6 CSE have secured notable positions at Asthra 8.0, the TechFest organized by St. Joseph's College of Engineering, Palai. Adithyan H (CS6A) achieved second place in the Star of Asthra category, while Ananthakrishnan M Nair (CS6A) secured third place. Vyshak Omanakuttan (CS6B) and Roney V Mammen (CS6B) won first place in Ideate Asthra, and Balagopal B (CS6A) and Don Xavier (CS6A) earned second place in the same category.



Mr. Abhid Methar, Mr. Alwin T Thomas, Mr. Ananthakrishnan M Nair, Mr. Arjun Sabu, Mr. Aswin Suresh Kaimal, Mr. Balagopal B, Mr. Joel Johnson, and Mr. Navneeth Krishnan of S6 CSE secured prizes in the events Need for Speed, Matrix Code, Orate, and MadRush at the Techfest Yvidh 2k24, organized by St. Thomas College of Engineering, Chengannur.

CERTIFICATE OF APPRECIATION



Ms. Adithya Pradeep has been awarded a Certificate of Appreciation for her exemplary leadership as Chairperson of the IEE Computer Society Student Branch Chapter at Mangalam College of Engineering during the academic year.

CERTIFICATE OF APPRECIATION



Mr. Ebin Peter and his team have received a Certificate of Appreciation from Team E-Cell, IIT Bombay, for securing a position in the Top 50 of the National Entrepreneurship Challenge (NEC) 2023 Basic Track.

This six-month-long competition aims to develop entrepreneurship cells across colleges nationwide, and their achievement reflects outstanding dedication and effort. Congratulations to them for this remarkable accomplishment!



DIGITAL EDUCATION HIGHLIGHTS

(MOOC)

- Aisha Hussain of (B-Tech S4,A) has completed the NPTEL MOOC on Introduction to Industry 4.0 and Industrial Internet of Things during the Jan-Apr 2024 session.
- Devikrishna M of (B-Tech S4,A) has completed the NPTEL MOOC on Cloud Computing during the Jan-Apr 2024 session.
- Hanna Mariam Shibu of (B-Tech S4,A) has completed the NPTEL MOOC on Cloud Computing during the Jan-Apr 2024 session.
- Evan Punnen Jacob of (B-Tech S4,A) has completed the NPTEL MOOC on Cloud Computing during the Jan-Apr 2024 session.
- Rohith Raju of (M-Tech,S2) has completed the NPTEL MOOC on Data Analytics with Python during the Jan-Apr 2024 session.
- Chandralekha J of (M-Tech,S2) has completed the NPTEL MOOC on Data Analytics with Python during the Jan-Apr 2024 session.
- Biya Bijoy of (M-Tech,S2) has completed the NPTEL MOOC on Data Analytics with Python during the Jan-Apr 2024 session.
- Abhiram T K of (M-Tech,S2) has completed the NPTEL MOOC on Data Analytics with Python during the Jan-Apr 2024 session.
- Jinu Treesa Abraham of B-Tech (S6 A) has completed the NPTEL MOOC on Computer Vision and Image Processing-Fundamentals and Applications during the Jan-Apr 2024 session.
- Riya Baby of (M-Tech,S2) has completed the NPTEL MOOC on Data Analytics with Python during the Jan-Apr 2024 session.
- Kichu Dileep of (M-Tech,S2) has completed the NPTEL MOOC on Data Analytics with Python during the Jan-Apr 2024 session.
- Kavya L of (M-Tech,S2) has completed the NPTEL MOOC on Data Analytics with Python during the Jan-Apr 2024 session.
- Josmi P J of (M-Tech,S2) has completed the NPTEL MOOC on Data Analytics with Python during the Jan-Apr 2024 session.
- Jaseela Jamalu of (M-Tech,S2) has completed the NPTEL MOOC on Data Analytics with Python during the Jan-Apr 2024 session.
- Ebin Peter of (M-Tech,S2) has completed the NPTEL MOOC on Data Analytics with Python during the Jan-Apr 2024 session.
- Athira K of (M-Tech,S2) has completed the NPTEL MOOC on Data Analytics with Python during the Jan-Apr 2024 session.
- Anju Babu of (M-Tech,S2) has completed the NPTEL MOOC on Data Analytics with Python during the Jan-Apr 2024 session.

DEPARTMENT ACHIEVEMENTS

Department Activities

ICCIDD 2024

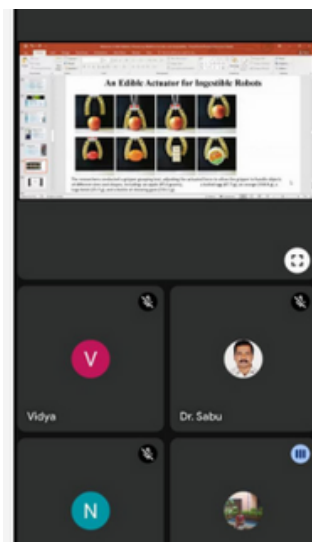
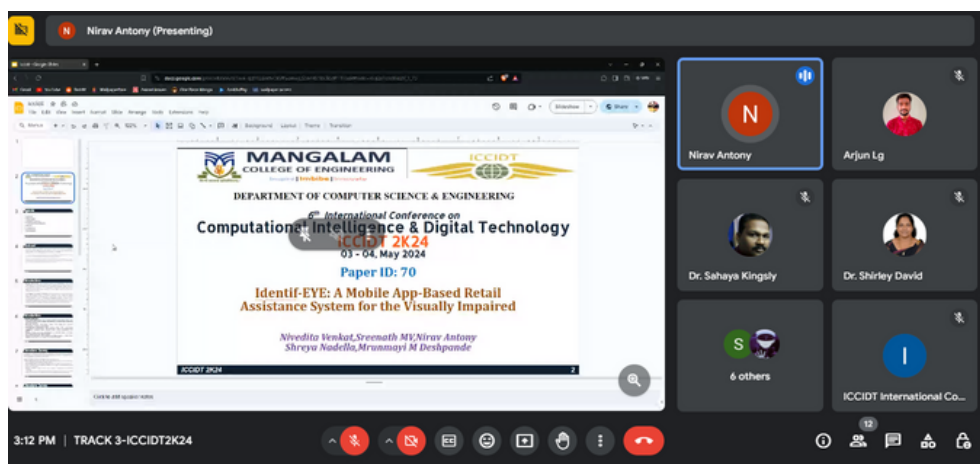
The 6th International Conference on Computational Intelligence and Digital Technology (ICCIDD 2024) was held on May 3, 2024, at 10:00 AM in the Digital Theatre of Mangalam College of Engineering (MLMCE). Organized by the Department of Computer Science & Engineering, the event began with an invocation by Ms. Ashika P.E, a CSE S8 student. Ms. Neema George, Head of the Department of Computer Science & Engineering, provided the welcome address and officially opened the conference. Dr. Vinodh P. Vijayan, Principal of MLMCE, delivered the presidential address, outlining the tone and expectations for the event.



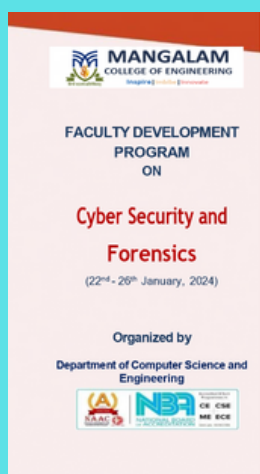
Dr. Sujesh Sreedharan, Engineer-G at Sree Chitra Tirunal Institute of Medical Sciences and Technology, inaugurated the event and delivered the inaugural address. He also released the conference proceedings, officially documenting and marking the start of the event's academic contributions. The first keynote address was delivered by Dr. P. Victor Paul, Assistant Professor in the Department of Computer Science & Engineering at IIT Kottayam, who shared insights on contemporary issues and advancements in computational intelligence and digital technology.

The two-day ICCIDD 2024 conference was a resounding success, uniting leading academicians, researchers, technocrats, practitioners, and students to exchange and share their experiences and research findings in the field of Computer Science Engineering. The conference fostered valuable discussions, networking opportunities, and a commitment to academic excellence, underscoring its global reach and interdisciplinary nature.

The International Conference on Computational Intelligence and Digital Technology aimed to unite leading experts and students to exchange experiences and research findings, serving as a key platform for discussing innovations, trends, challenges, and solutions in Computer Science Engineering.



Faculty Development Program



The Department of Computer Science & Engineering at Mangalam College of Engineering is organizing a five-day Faculty Development Program on "Cyber Security and Forensics" from January 22 to January 26, 2024. Coordinated by Dr. C. Sahaya Kingsly and Mr. Jayakrishnan B, the program aims to enhance the knowledge and skills of faculty members in the latest advancements and practices in cyber security and forensics. This program will provide participants with comprehensive insights into contemporary challenges and solutions, foster collaboration, and promote the exchange of innovative ideas and methodologies within the academic community.

Expert Talk : "Research Paper Writing"



The expert talk on "Research Paper Writing" organized by the Department of Computer Science and Engineering at Mangalam College of Engineering aims to provide invaluable guidance and strategies to enhance participants' skills in scholarly publishing. Scheduled for March 15th at 10:00 AM in the Digital Theatre, the session, led by Dr. Vinodh P Vijayan, Principal of Mangalam College of Engineering, intends to address key aspects crucial for effective research paper writing. It will cover practical tips on improving writing clarity, structuring manuscripts effectively, and navigating the publication process, including peer review and publication ethics. Moreover, the talk seeks to foster a culture of research excellence by inspiring participants to uphold rigorous standards in their research endeavors and scholarly contributions. By creating a platform for networking and collaboration among faculty and researchers, the session aims to empower attendees with the knowledge and skills necessary to communicate their research findings with impact and contribute meaningfully to their respective fields of study.

Expert Talk : "Optimization Algorithm Techniques"



The expert talk on optimization algorithm techniques, organized by the Department of Computer Science and Engineering at Mangalam College of Engineering and conducted by Ms. Sreeja Nair M P, Assistant Professor at Carmel College of Engineering, aims to provide participants with in-depth insights into advanced methodologies and practical applications in optimization. Scheduled for April 20th from 2:00 PM to 4:00 PM, the session intends to explore cutting-edge algorithms used to tackle complex computational challenges efficiently. It will highlight real-world applications spanning engineering, finance, logistics, and healthcare, demonstrating how optimization algorithms can optimize processes and improve decision-making.

Additionally, the talk seeks to enhance participants' problem-solving skills by equipping them with strategies to formulate and solve optimization problems effectively. By facilitating knowledge sharing and promoting discussions on emerging trends and innovations in optimization, the session aims to foster a collaborative environment for researchers, practitioners, and students to exchange ideas and advance their understanding of optimization techniques. Ultimately, the expert talk aims to empower participants with the knowledge and skills needed to leverage optimization algorithms effectively in both academic research and practical applications.

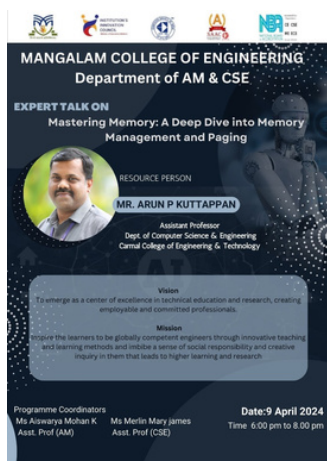
Expert Talk : "Application Software Development Using C"



The Department of Computer Science and Engineering at Mangalam College of Engineering is organizing an expert talk on Application Software Development Using C, scheduled for May 6, 2024, from 6:00 PM to 8:00 PM. Ms. Sharon Abraham, System Engineer at TCS Chennai, will lead the session, focusing on equipping participants with practical skills and insights essential for proficient software development in C. The program aims to deepen understanding of C programming fundamentals, enhance coding proficiency, and explore effective strategies for building reliable and scalable applications. Attendees will benefit from Ms. Abraham's industry expertise as she shares best practices, discusses application design principles, and illustrates key concepts through practical examples. This talk is designed to empower participants to leverage C programming effectively in their professional pursuits, fostering innovation and excellence in software development practices.



Expert Talk : "Mastering Memory :A Deep Dive Into Memory Management and Paging"



The Department of Computer Science and Engineering at Mangalam College of Engineering is organizing an expert talk on "Mastering Memory: A Deep Dive Into Memory Management and Paging" on April 9, 2024, from 6:00 PM to 8:00 PM. The talk will be delivered by Mr. Arun P. Kuttapan, Assistant Professor of Computer Science and Engineering at Carmel College of Engineering and Technology.

This session will provide an in-depth understanding of memory management and paging, essential topics for both students and professionals in the field. Mr. Kuttapan, with his extensive knowledge and experience, will offer valuable insights and practical knowledge. Attendees will have the opportunity to engage in discussions and ask questions, enhancing their comprehension of these critical concepts. This event is a must-attend for anyone looking to deepen their understanding of memory management in computer systems.

Expert Talk : "Practical Applications of Constitutional Provisions"



The Department of Computer Science and Engineering at Mangalam College of Engineering is organizing an expert talk on "Practical Applications of Constitutional Provisions" on May 18, 2024, at 4:00 PM. The session will be conducted by Mr. Aneesh M.D., who will provide an insightful exploration of how constitutional provisions are applied in various real-world scenarios, offering attendees a comprehensive understanding of their practical implications.

Expert Talk : "Most Popular Databases and its Features"



The Department of Computer Science and Engineering at Mangalam College of Engineering is organizing an expert talk on "Most Popular Databases and its Features" on May 18, 2024, from 11:00 AM to 12:00 PM. The session will be conducted by Ms. Soumya Sara Koshy, Assistant Professor at Saintgits College of Engineering. This expert talk will explore the features and functionalities of the most widely-used databases, providing valuable insights into their practical applications.

Ms. Koshy, with her expertise and experience, will guide attendees through the nuances of different database systems, highlighting their strengths and use cases. This event is an excellent opportunity for students and professionals to enhance their knowledge of database technologies and stay updated with the latest trends in the field.

Expert Talk : "Impact of Satellite Communication on Aerial Robotics Applications"



The Department of Computer Science and Engineering at Mangalam College of Engineering is organizing an expert talk on "Impact of Satellite Communication on Aerial Robotics Applications" on May 19, 2024, at 7:00 PM.

The session will be conducted by Mr. Selvam E, PhD Scholar at NGN Lab, Department of Computer Technology, Anna University MIT Campus, Chennai. This talk will explore the crucial role of satellite communication in enhancing the capabilities and applications of aerial robotics. Mr. Selvam will provide in-depth insights into how satellite technology integrates with aerial robots, discussing its impact on navigation, data transmission, and operational efficiency. Participants will gain a comprehensive understanding of the advancements in satellite communication and its transformative effects on the field of aerial robotics. This event is ideal for students and professionals interested in robotics, satellite technology, and their combined applications, offering an opportunity to learn from an expert in the field and engage in discussions during the Q&A session.

Expert Talk : "Matrix Testing and Orthogonal Array Testing"



The Department of Computer Science and Engineering at Mangalam College of Engineering is organizing an expert talk on "Matrix Testing and Orthogonal Array Testing" on May 17, 2024, at 7:00 PM, conducted by Ms. Aparna A.S, Assistant Professor at Carmel College of Engineering and Technology.

This session will delve into the principles and methodologies of Matrix Testing and Orthogonal Array Testing, essential techniques in software testing and quality assurance. Ms. Aparna will provide valuable insights into these methods, explaining their applications and benefits in improving software quality. Participants will learn how Matrix Testing identifies input combinations that can lead to defects and how Orthogonal Array Testing uses systematic statistical methods for efficient test case creation. The event will include a Q&A segment for deeper exploration of the topics and practical applications, making it a must-attend for students and professionals looking to enhance their software testing skills and stay updated with industry practices.



Webinar : “Client Server Security”



The Department of Computer Science and Engineering at Mangalam College of Engineering is organizing a webinar on "Client Server Security" on May 11, 2024, from 10:00 AM to 12:00 PM. The session will be conducted by Mr. Anoop MV, Information Security Specialist at UST Global. This webinar will focus on the critical aspects of securing client-server architectures, highlighting common vulnerabilities, best practices, and advanced techniques to protect sensitive data and ensure secure communication. Mr. Anoop will share his expertise and practical insights on implementing robust security measures, making this an invaluable opportunity for students and professionals to enhance their knowledge in information security.

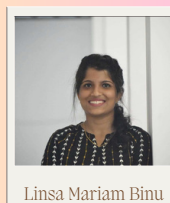
Participants will have the chance to learn about the latest trends and tools in client-server security, including threat detection, authentication protocols, and encryption techniques. The session aims to provide a comprehensive understanding of how to safeguard client-server systems from cyber threats, emphasizing real-world applications and case studies. Attendees will also benefit from a Q&A segment, where they can interact with Mr. Anoop to clarify doubts and gain deeper insights into specific security challenges. This webinar is a must-attend for those looking to strengthen their skills in information security and stay updated with current industry standards.

ALUMNI MEET



The Department of Computer Science and Engineering successfully hosted an Alumni Meet on January 26th at 7 PM via Google Meet. This virtual gathering brought together former students, current students, and faculty members for an evening of reconnecting and networking. Alumni shared professional experiences and insights, providing valuable guidance and inspiration to current students, effectively bridging the gap between academia and industry. The department extends its heartfelt thanks to all participants for contributing to a memorable and enriching event, underscoring the strong bonds within our community and our commitment to ongoing learning and support.

ALUMNI CORNER



Linsa Mariam Binu

Reflecting on my college experience fills me with nostalgia and gratitude for the transformative journey I've undertaken over the past four years. Arriving as a fresher, I was excited yet apprehensive, but I quickly found my footing amidst the whirlwind of orientation events and new friendships. Academically, I was challenged to think critically and explore new ideas, guided by inspiring professors who nurtured my passion for learning. Events like our technical fest, "Diksha," and arts fest, "Saptharang," provided valuable outlets for showcasing talent and unwinding from academic pressures. Despite the challenges of balancing coursework and personal setbacks, I discovered resilience within myself. As I prepare to graduate, I recognize how much I've grown, both intellectually and personally, and I am immensely grateful for the enriching experiences that have shaped my journey.

Campus Connections

In celebrating our enthusiastic 19th batch (2020-2024), we reflect on four years of academic excellence, growth, and camaraderie. This batch has exemplified resilience, creativity, and dedication, leaving an indelible mark on our institution. From pioneering projects to spirited competitions,



their achievements have set new benchmarks in various fields. As we capture this moment in a group photo, we honor their journey and anticipate their future contributions to society. Together, we cherish the memories forged and look forward to their continued success in the years ahead.



STUDENT ACTIVITIES

Tech Fest

CODE VEDA 2K24

The Department of Computer Science and Engineering at Mangalam Campus orchestrated a successful one-day tech event, Code Veda 2024, commencing with a morning prayer at 9:30 am. Ms. Jitta Elsa Joby, a student from S8 B, delivered the welcome address, followed by a presidential address from Ms. Neema George, HOD-CSE, and an inaugural speech by Ms. Neethu Maria John, Assistant HOD of the CSE Department. This event aims to cultivate students' co-curricular skills and acquaint them with contemporary advancements in technical and professional domains, promoting innovation, creativity, and collaborative learning among all participants.

Code Veda includes the following events:

- Project Expo
- Virtual Space
- Unreal Engine
- Archery & Dartboard
- Photo Booth
- Gadget Ninja
- Bug Hunt
- Treasure Hunt
- ENIAC(custom pc expo)
- PC Gaming Tournament
- Mobile Gaming Tournament
- IPL Auction

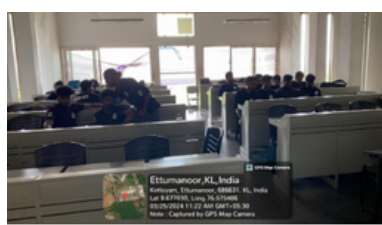
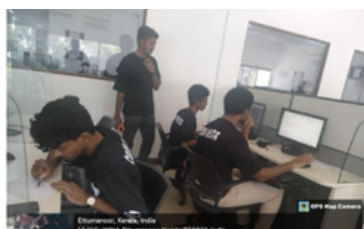


The CS Department organized Project Expo under Mr. Jayakrishnan B and Dr. C Sahaya Kingsly's guidance at 10:00 am on the 4th Floor Corridor. Participants from various departments showcased projects judged by senior CSE faculty, with Mangalam College winning the Rs. 4000 first prize, awarded to Mr. Alex J Mathew (S4 AI), and Mr. Milton Tom (S6 CSE B) securing the second prize. Virtual Space offered participants an immersive virtual reality experience, featuring a simulated 3D environment that closely resembled real-life, created with advanced computer hardware and software, and often requiring specialized devices like helmets or goggles.



The Unreal Engine event was held in Room No. N404 from 10:00 am onwards, offering firsthand experience of Unreal Engine's meticulously crafted 3D environments that blur the lines between fantasy and reality. Participants could explore interactive landscapes, engage with captivating narratives, and choose, customize, and upgrade vehicles as they progressed through the game. The archery segment in Room No. N406 tested participants' aim and technique with varying targets, while students also enjoyed dartboard activities. A photobooth near the MBA department registration desk offered entertainment and engagement. Gadget Ninja, held in Room N411, was a competitive gadget review event, with Mr. Jess Mathew George (CS 4B) winning first prize and Mr. Nidal Shams (CS 4B) securing second prize, with prize money of ₹2000 and ₹1000 respectively.





The CSE department successfully conducted a series of events for Code Veda 2024, concluding by 3:30 PM. The Bug Hunt event had students identifying and fixing code bugs, with prize money awarded to Sidharth Gopalakrishnan, Joseph Babu, and Renson K Roji (CS6 B). The IPL Auction provided entertainment, categorizing and auctioning players as batsmen, bowlers, keepers, and all-rounders. The Treasure Hunt began with an orientation session, forming diverse teams to foster collaboration, and the prize was secured by Mr. Sebin (CS 4B). The ENIAC Custom PC Expo, held in the MBA Department Corridor, showcased custom-built PCs and recent customizations, celebrating PC enthusiast creativity. The PC Gaming Tournament, held in the DMA Lab, covered indie games to blockbuster titles, with the first prize going to Mr. Joyel and team (S4 CS A) and the second prize to Mr. Roney V Mammen and team (S6 CSE A). The Mobile Gaming Tournament, also held in the DMA Lab, provided a competitive environment for mobile games, with the first prize awarded to Mr. Dan Eldho Anil and team (CS 4A) and the second prize to Mr. Jess Mathew and team (CS 4B).

Tech fests are organized to enhance students' skills in design, coding, and other technical areas. The conclusion of Code Veda 2024 left students eager to further explore engineering, making it a valuable experience for both students and staff of the Department of Computer Science & Engineering and paving the way for future success.

Industrial Visit

An industrial visit was meticulously planned for the even semester students of S2, S4, S6, and S8 from the Computer Science and Engineering Department. This initiative aimed to acquaint them with current industry practices and technological advancements firsthand. Through interactions with industry professionals and exposure to real-world environments, the visit sought to enrich their learning experience beyond the confines of the classroom, preparing them for future career challenges in the field of computer science and engineering.



S4B (2022-2026) embarked on a three-day industrial visit to Embank Flodata in Bengaluru from March 6 to March 8, 2024. This visit provided valuable insights into industry practices and fostered connections with professionals in the field. S4A (2022-2026 batch) participated in an educational tour to Coorg and Mysore, which included an industrial visit to Kaynes Technologies in Mysuru, Karnataka, from February 29 to March 2, 2024. This tour offered valuable learning experiences and insights into the industry. S8A (2020-2024) conducted an industrial visit to Mysore, Chikkamagaluru, and Bangalore from February 23 to February 27, 2024. On February 23, the group visited Tobbler Technologies at Inforpark, Kochi, gaining valuable insights into the industry. S6 A&B (2021-2025) undertook an industrial visit to Kaynes Technologies in Mysore from February 24 to February 27, 2024, which included exploring the Mysore and Coorg regions. This visit provided valuable industry exposure and practical insights for the students. S2B (2024-2028) batch conducted an industrial visit to U.ST at Inforpark, Kochi, on February 15, 2024. This visit offered students valuable insights into the industry and enhanced their practical knowledge.

Farewell - "sa-yo-na-ra"



The Computer Science and Engineering Department will organize a farewell event on April 30, 2024, at 9:30 am for the 2020-2024 batch. The event, arranged by S6 students, aims to celebrate and bid farewell to the graduating class, acknowledging their achievements and contributions to the department. The farewell will include speeches, mementos, and a variety of activities designed to honor the graduates and reflect on their journey over the past four years. Additionally, the event will feature games, dances, and other entertainment activities, making it a memorable occasion for students, faculty, and staff to come together and celebrate this significant milestone.

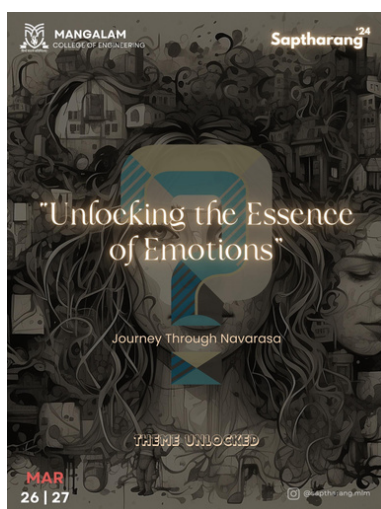


COLLEGE ACTIVITIES

SAPTHARANG 2K24

Mangalam College of Engineering is organizing its annual arts fest, SAPTHARANG 2K24, on March 26th and 27th, 2024. This vibrant event will showcase a diverse range of artistic talents, including music, dance, drama, and visual arts. Students will have the opportunity to participate in various competitions and performances, fostering creativity and camaraderie. SAPTHARANG 2K24 promises to be a celebration of culture and artistry, bringing together the entire college community in a spirit of joy and festivity.





SAPTHARANG 2K24 aims to inspire excellence and camaraderie within the college community while enhancing the institution's cultural vibrancy and reputation.



The SPARTANS team (CS S8 A & CS 4B), led by Mr. Athul Johnson, House Captain of S8 A, and guided by Ms. Jinu P Sainudeen, Faculty In Charge, secured the top honors as overall winners at SAPTHARANG 2K24, demonstrating outstanding skill and teamwork in the diverse array of competitions.



Congratulations to TITANS (CS 8B & CS 4A), under the leadership of Mr. Shon Benny, House Captain of 8B, and with the guidance of Ms. Nayana N Panicker, Faculty In Charge, for achieving the runner-up position at SAPTHARANG 2K24 Arts Fest. Their commendable performance reflects their dedication and talent in the various artistic competitions held during the event.

Newly Joined Faculty Members



Ms. Devi Gopal T
Assistant Professor



Ms. Renu S
Assistant Professor



Ms. Lidiya Augustine
Assistant Professor



Ms. Vimal Vinod
Assistant Professor

Upcoming Events

- Commencement of B.Tech classes for S3, S5, and S7 : July 2024.
- Student Induction Program : August 2024.
- Association Inauguration (MAC) : September 2024.
- Department Advisory Committee (DAC) : August 2024
- Workshop and Expert Talk : September/October 2024
- Annual Sports Meet : October 2024
- End Semester Examination : November 2024



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COLLEGE OF ENGINEERING

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