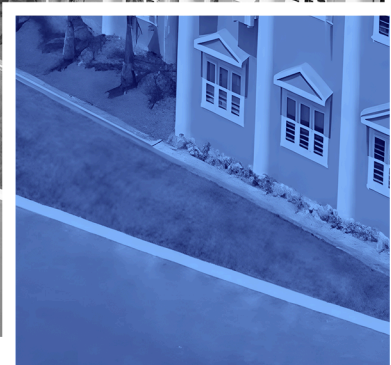


INBOX

NEWSLETTER



MANGALAM

COLLEGE OF ENGINEERING

Department of Computer Science and
Engineering

2025
Vol 14 | Issue 1



MESSAGE FROM HOD'S DESK

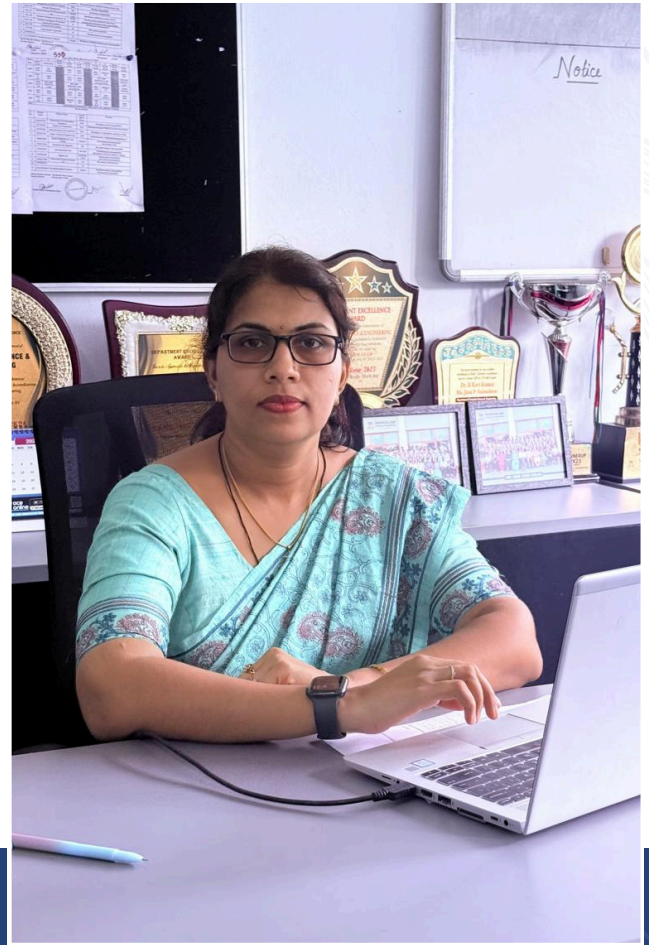
It is with immense pride and enthusiasm that I welcome you to Volume 14, Issue 1 of INBOX, the official newsletter of the Department of Computer Science and Engineering at Mangalam College of Engineering.

Since its inception in 2002, our department has been steadfast in its pursuit of academic excellence, innovation, and research. With a vibrant community of nearly 480 B.Tech and 36 M.Tech students, we continue to shape and nurture the next generation of technology leaders.

Our alumni, who now contribute significantly across leading academic institutions and global industries, stand as a testament to the strong academic foundation, practical exposure, and industry-oriented learning that we provide.

Dr. Simy Mary Kurian

HOD of Computer Science and Engineering



ENGINEERING MINDS, SHAPING FUTURES

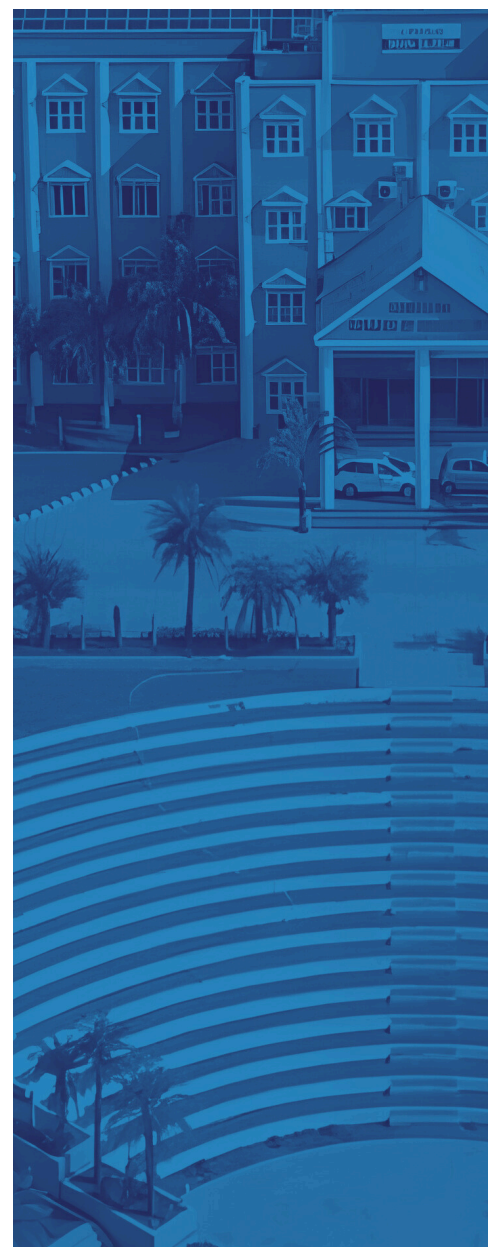
In an era marked by constant technological advancement, the role of engineers extends beyond technical knowledge. Today's professionals must also exhibit critical thinking, collaboration, and leadership. Our department strives to foster these attributes through technical clubs, hackathons, industry engagements, and student-led initiatives in academics, placement, and professional development.

As we begin a new academic year, I urge our students to stay curious, embrace innovation, and take ownership of their learning journey. I commend our dedicated faculty for their unwavering commitment to student success, and I extend my gratitude to all stakeholders for their continued support.

Let us work together to uphold our values of knowledge, integrity, and excellence, and continue to grow as a center of distinction in engineering education.

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FACULTY ACHIEVEMENTS

Publications

IPML-ANP: An Integrated Polynomial Manifold Learning Model and Anchor Node Placement for Wireless Sensor Node Localization, Peer-to-Peer Networking and Applications, authored by **Dr. S. Padmalal** and **Dr. C. Sahaya Kingsly**. Published in: Journal Volume 18, Article Number 86, February 2025 <https://doi.org/10.1007/s12083-025-01908-x>

Automated Eye-Controlled System for Paralyzed Individuals, authored by **Ms. Neethu Maria John**. Published in: International Journal of Information and Electronics Engineering, Volume 15, June 2025 <https://doi.org/10.48047/hbejs56>

Deep Learning-Based Emotion Recognition Using Face and Voice Analysis, authored by **Ms. Kavya L**, **Ms. Merlin Mary James**. Published in: International Journal of Information and Electronics Engineering, Volume 15, June 2025 <https://doi.org/10.48047/hbejs56>

MentalHealthBot: A Personalized AI-Powered Chatbot for Mental Health Support, authored by **Anjumol Zachariah**. Published in: International Journal of Information and Electronics Engineering, Volume 15, June 2025 <https://doi.org/10.48047/hbejs56>

Landslide Detection Using Machine Learning, authored by **Sijimol A S**. Published in: International Journal of Information and Electronics Engineering, Volume 15, June 2025 <https://doi.org/10.48047/hbejs56>

CNN-Driven Emotion Analysis for Dogs, authored by **Dr. Sabu Geroqe**. Published in: International Journal of Information and Electronics Engineering, Volume 15, June 2025 <https://doi.org/10.48047/hbejs56>

Eye Blink and Emotion Detection System for Paralyzed Individuals, authored by **Ms. Neethu Maria John**. Published in: International Journal of Research Publication and Reviews, Volume 6, Issue 5, pp. 9377-9382, May 2025.

Landslide Detection using Machine Learning, authored by **Ms. Sijimol A S**. Published in: International Journal of Information and Electronics Engineering, Volume 15, Number 6, June 2025.

Patents

Secure Multiparty Computation Protocol for Privacy-Preserving and Encrypted Data Processing. Application Number: 202541004313. Inventors: **Dr. C. Sahaya Kingsly, Dr. Simy Mary Kurian, Dr. S. Padmalal, Ms. Neethu Maria John**

Quantum-Optimized Graph Search Algorithm for Solving NP-Hard Problems in Logistics. Application Number: 202541042438 A. Inventors: **Dr. Simy Mary Kurian, Ms. Anjumol Zachariah, Ms. Sruthy Emmanuel, Ms. Sachusha S Shaji, Ms. Raihanath A S**

Neuro-Symbolic Explainable AI System for Decision Transparency in Financial and Medical Applications. Application Number: 202541042439 A. Inventors: **Dr. S. Padmalal, Ms. Santu, Ms. Meenu S, Ms. Riya Rajan, Ms. Renuka Babu T**

Lightweight Cryptographic Protocol for Real-Time Edge Computing Devices in Smart City Networks. Application Number: 202541042440 A. Inventors: **Dr. C. Sahaya Kingsly, Mr. Jayakrishnan B, Ms. Sijimol A S, Ms. JESTEENA Surendran, Ms. Navya Davis**

Blockchain-Based Smart Contract Framework for End-to-End Traceability in Cold Chain Logistics. Application Number: 202541042442 A. Inventors: **Dr. Neema George, Ms. Neethu Maria John, Ms. JINU P Sainuden, Ms. Devipriya S Kumar, Ms. Renu S**

Gesture-Driven Adaptive User Interfaces for Differently-Abled Users in Augmented Reality Platforms. Application Number: 202541042446 A. Inventors: **Dr. Sabu George, Ms. Merlin Mary James, Ms. Roja Thomas, Ms. Neena G Krishnan**

Intelligent Safe Speed Advisory System for Vehicles Using Machine Learning. Application Number: 202541043061. Inventor: **Ms. Neema George.**

Faculty Development Programs

Dr. C. Sahaya Kingsly

- FDP on "Generative Artificial Intelligence in Engineering: From Ideas to Building Models" Organized by Joginpally B.R. Engineering College 08-03-2025 to 13-03-2025

Mr. Jayakrishnan B

- FDP on "Entrepreneurship and IPR" Organized by MES College of Engineering 06-01-2025 to 10-01-2025
- FDP on "Predictive Analytics and Optimization for Industrial Applications" Organized by Finessefleet Foundation and Sanjeevni University 03-02-2025 to 08-02-2025
- FDP on "Engineering Entrepreneurship and IPR" Organized by APJ Abdul Kalam Technological University 05-03-2025 to 26-03-2025

Ms. Renu S

- FDP on "Tech Essentials: A Practical Journey into IT Skills" Organized by Ilahia College of Engineering and Technology 15-01-2025 to 17-01-2025

Ms. Raihanath A S

- FDP on "Online IT Workshop" Organized by International Centre for Free and Open Source Solutions 27-01-2025 to 03-02-2025

Ms. Riya Rajan

- FDP on "Agentic AI and Large Language Models" Organized by College of Engineering and Management, Punnapra 03-05-2025 to 09-05-2025

Ms. Meenu S

- FDP on "Agentic AI and LLM" Organized by College of Engineering and Management, Punnapra 03-05-2025 to 09-05-2025

Ms. Santumol C Puthiyaparamplil

- FDP on "Agentic AI and LLM" Organized by College of Engineering and Management, Punnapra 03-05-2025 to 09-05-2025

Ms. Neethu Maria John

- FDP on "Exploring AI Applications through MATLAB: From Image Processing to Generative AI" Jyothi Engineering College 19-05-2025 to 23-05-2025

Ms. Sijimol A. S

- FDP on "Exploring AI Applications through MATLAB: From Image Processing to Generative AI" Jyothi Engineering College 19-05-2025 to 23-05-2025

Ms. Merlin Mary James

- FDP on "The Impact of Cybersecurity and Ethical Hacking Applications" St. Thomas College of Engineering & Technology, Kozhuvallur 19-06-2025 to 23-06-2025
- FDP on "Integrating IoT, AI/ML & Robotics for Industry 4.0 & Sustainable Smart Manufacturing" Jyothi Engineering College, Thrissur 16-06-2025 to 20-06-2025

Ms. Neena G Krishnan

- FDP on "The Impact of Cybersecurity and Ethical Hacking Applications" St. Thomas College of Engineering & Technology, Kozhuvallur 19-06-2025 to 23-06-2025

Ms. JESTEENA SURENDRAN

- FDP on "FUTURESEC 2025 – From Deepfakes to Cybersecurity" MEA Engineering College 19-05-2025 to 24-05-2025.

Ms. Sachusha S. Shaji

- FDP on "FUTURESEC 2025 – From Deepfakes to Cybersecurity" MEA Engineering College 19-05-2025 to 24-05-2025

Ms. Devipriya S Kumar

- FDP on "FUTURESEC 2025 – From Deepfakes to Cybersecurity" MEA Engineering College 19-05-2025 to 24-05-2025

Ms. Surabhi S Nair

- FDP on "Integrating IoT, AI/ML & Robotics for Industry 4.0 & Sustainable Smart Manufacturing" Jyothi Engineering College 16-06-2025 to 20-06-2025

Ms. Aiswarya M.S

- FDP on "Integrating IoT, AI/ML & Robotics for Industry 4.0 & Sustainable Smart Manufacturing" Jyothi Engineering College 16-06-2025 to 20-06-2025

Crowned with a Doctorate -Dr.Neema George

Dr. Neema George, Assistant Professor in the Department of Computer Science & Engineering, has ascended to an extraordinary pinnacle of academic excellence by being conferred with the prestigious Ph.D. degree, a crowning achievement that stands as a monumental testament to her unwavering perseverance, intellectual brilliance, and unrelenting pursuit of knowledge. This remarkable milestone not only illuminates her own scholarly journey with glory but also elevates the pride and stature of the entire department, inspiring generations of students and colleagues to dream higher and strive harder. Her success embodies the true spirit of dedication, innovation, and academic distinction, and we extend our deepest and most heartfelt congratulations to Dr. Neema George while wishing her an ever-rising trajectory of triumphs in all her future endeavors.



Dr Neema George
Vice- Principal, MLMCE

Research Funding



Under the visionary mentorship of Ms. Roja Thomas, Assistant Professor of CSE, the exceptional talents of Mr. Athul Krishna A (CSE 7A), Mr. Albin Varghese (CSE 7A), Mr. Rahul Abraham (CSE 7B) and Mr. Sidharth Gopalakrishnan (CSE 7B) were gloriously recognized as they were honored with the prestigious Certificate of Innovation & Project Execution for emerging as the victorious champions of SparkVenture 1.0 and for the outstanding success of their pioneering industry project organized by Core Cognitics and Cognitry, a shining testament to their brilliance, creativity and engineering excellence.

STUDENT ACHIEVEMENTS

Placements

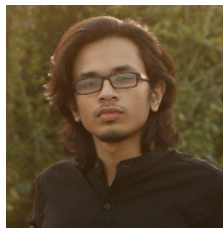
In the light of celebrating the trailblazers of success, we proudly present the list of our outstanding students who have embarked on their professional journey and achieved remarkable placements. These exceptional students have exemplified dedication, enthusiasm, and commitment to excellence. The list you are about to explore is a testament to the hard work and determination of our students, in addition to the unwavering support and mentorship provided by our faculty and staff. From multinational corporations to cutting-edge startups, our students have found placements in diverse industries, contributing their expertise to make a positive impact on the world.



ANN LITTA JOE
Poornam Info Vision



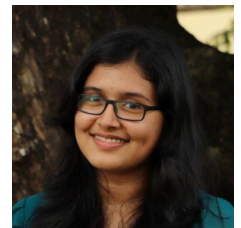
RENSON K ROJI
Poornam Info Vision



JOSEPH BABU
Poornam Info Vision



MILTON TOM
TOUCH Q Software
Solutions



SRADHA SANTHOSH
Allianz



SIYA MARY KURIAN
Infosys



NADHA FATHIMA
GICE



RAHUL ABRAHAM
LO TECHNOLOGY
SERVICE PVT LTD



NAVNEETH KRISHNAN S
GICE



MILTON TOM
CYBROSYS
Technologies



STEBIN VARGHESE JOSE
Team lease IP Rings Ltd



SUKHIL MANNIL
LO TECHNOLOGY
SERVICE PVT LTD



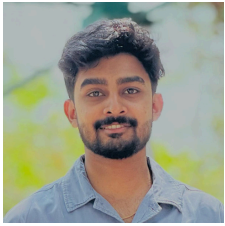
MEERA V NAIR
TOUCH Q Software
Solutions



PRANAV H NAIR
Yatnam Technologies
Pvt Ltd



JOEL ABE THOMAS
LO TECHNOLOGY
SERVICE PVT LTD



NAVNEETH KRISHNAN S
LO TECHNOLOGY
SERVICE Pvt Ltd



MUHAMMED FIYAS
TECH & MECH



SIDHARTH SANTHOSH
TeamLease Skills
University



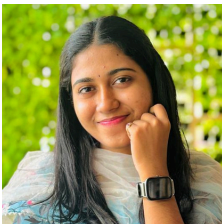
SHEFNA HAJEEB
TeamLease Skills
University



NIRANJANA SURESH
Technovalley



MEERA V NAIR
TOUCH Q Software
Solutions



SONA VARGHESE
Creoleap Technologies
Pvt Ltd



RESHMA RAJ
SUTHERLAND



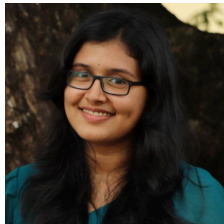
JINU TREESA ABRAHAM
Vonnue Innovations
Pvt. Ltd.



PRATHYUSH UNNITHAN
Vonnue Innovations
Pvt. Ltd.



RENSON K ROJI
Vonnue Innovations
Pvt. Ltd.



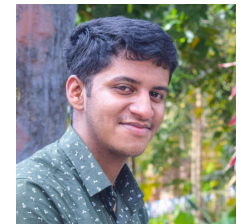
SHRADHA SANTHOSH
Vonnue Innovations
Pvt. Ltd.



ATHULKRISHNA A
Core Cognitics



DON XAVIER
G-TEC Computer
Education

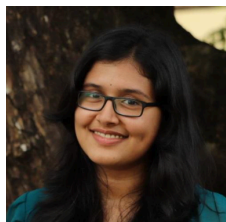


ALBIN VARGHESE
Core Cognitics



SREDEV N P
TeamLease Skills
University

Academic Achievers Of B.Tech S8 Exam May 2025 (2021 - 2025 Batch)



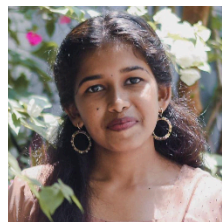
SRADHA SANTHOSH
SGPA 10.00



ANAGHA ANILKUMAR
SGPA 9.82



JINU TREESA ABRAHAM
SGPA 9.65



SREEPRIYA T M
SGPA 9.65



RENSON K ROJI
SGPA 9.47



ANN LITTA JOE
SGPA 9.21



NADHA FATHIMA
SGPA 8.91



BIJOY P OOMMEN
SGPA 8.85



RIKAS MOHAMMED N
SGPA 8.85



ADITHYAN H
SGPA 8.76



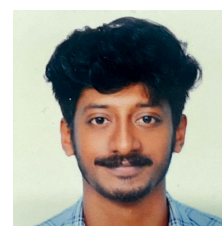
PRANAV H NAIR
SGPA 8.76



AMEENA K.S
SGPA 8.68



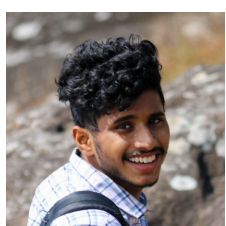
PATRIC JOE AJI
SGPA 8.68



ANAND SURESH
SGPA 8.59



HARINARAYANAN V
SGPA 8.59



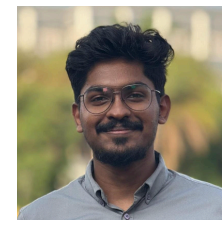
JOEL JOHNSON
SGPA 8.59



MEERA V NAIR
SGPA 8.59



NAVYA PAULOSE
SGPA 8.59



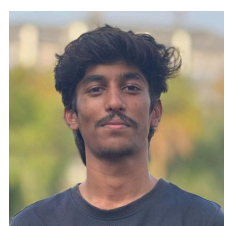
RONY V MAMMEN
SGPA 8.56



**MILAN ABRAHAM
THOMAS**
SGPA 8.44



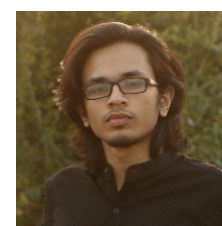
MANJITH MURALI
SGPA 8.41



VISHNUNATH M
SGPA 8.41



EDWIN S GEORGE
SGPA 8.32



JOSEPH BABU
SGPA 8.32



NIRANJANA SURESH
SGPA 8.32



RESHMA RAJ
SGPA 8.32



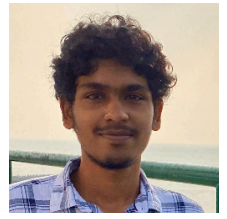
UJWAL U
SGPA 8.32



**AMITHAMOL
VARGHESE**
SGPA 8.32



KESIYA VARGHESE
SGPA 8.26



PRATYUSH UNNITHAN
SGPA 8.26



ANANDU S
SGPA 8.24



**SIDHARTH GOPALA
KRISHNAN**
SGPA 8.24



SONA VARGHESE
SGPA 8.21



**MUHAMMED FARIS
EASA**
SGPA 8.09



ADITHYA KRISHNA P K
SGPA 8.06

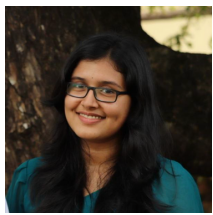


ARJUN JAYAKUMAR
SGPA 8.06



RESHMA JOSE
SGPA 8.00

Minor Graduates



SRADHA SANTHOSH



ANAGHA ANILKUMAR



**JINU TREESA
ABRAHAM**



SREEPRIYA T M



NADHA FATHIMA



**AMITHAMOL
VARGHESE**



KESIYA VARGHESE



**NAVNEETH KRISHNAN
S**

Academic Achievers Of B.Tech S5 Exam December 2024 (2022 - 26 Batch)



MADHAV SURESH
SGPA 9.07



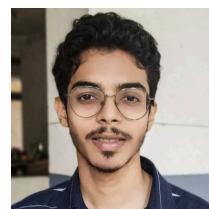
STEEVE C BABY
SGPA 8.67



DEVIKRISHNA M
SGPA 8.54



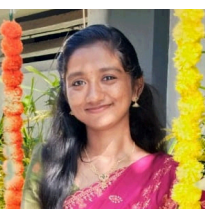
JOYAL REJI
SGPA 8.41



**PRANAV CHANDRA
BABU**
SGPA 8.39



ABHIMANUE A S
SGPA 8.35



**HANNA MARIAM
SHIBU**
SGPA 8.2



CHARMATHY M
SGPA 8.07



ALISHA BAIJU
SGPA 8.0



**SHONE VARUGHESE
MATHEW**
SGPA 7.91



ELBIN SOJAN
SGPA 7.89



NANDANA O
SGPA 7.87



ALAN P S
SGPA 7.8



ABHIJITH P J
SGPA 7.74



PAVITHRA RAJESH
SGPA 7.74



MARTIN K SEBASTIAN
SGPA 7.72



STEBIN GEO SAJI
SGPA 7.61



AAROMAL K J
SGPA 7.59



ASWATHY RAJ
SGPA 7.54



**LEYAL SUSAN
MATHEW**
SGPA 7.54



JYOTHILEKSHMI B T
SGPA 7.50



**SHOAN KURIEN
JOHNSON**
SGPA 7.50

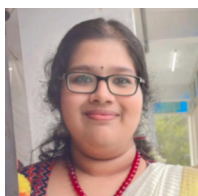
Academic Achievers Of B.Tech S3 Exam December 2024 (2023 - 2027 Batch)



JERIN JOSEPH
SGPA 9.73



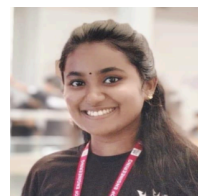
ASWATHY M P
SGPA 9.09



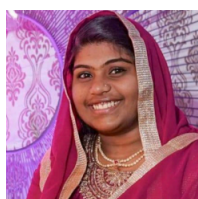
LIA MARIAM JOBY
SGPA 8.64



VARSHA K S
SGPA 8.64



BHAVYA V RENJITH
SGPA 8.59



JUMIYA JALAL
SGPA 8.59



ANGEL GEORGE
SGPA 8.41



FENIL AJU
SGPA 8.18



ABHISHEK NAIR
SGPA 8.14



AMITA S
SGPA 8.14



AAYUSHI RAJESH
SGPA 8.05



SONA SOJAN
SGPA 8.0



SONIA M THOMAS
SGPA 8.0



**NAKSHATHRA A
PILLAI**
SGPA 8.0



ANAND M S
SGPA 7.86



LEKSHMI K R
SGPA 7.86



DEVIKA S BINU
SGPA 7.82



ANSIYA S
SGPA 7.82



**JYOTHISHKUMAR A
R**
SGPA 7.73



ANJU RAJ N
SGPA 7.68



GOIKA PRAKASH
SGPA 7.64



AKSHAYA P
SGPA 7.59



AGNASS GEORGE
SGPA 7.55



**BENNET VARGHESE
REJI**
SGPA 7.55

Academic Achievers Of B.Tech S1 Exam December 2024 (2024 - 2028 Batch)



ARYA K M
SGPA 9.23



ANUSREE B NAIR
SGPA 8.80



SAYANORA SAJI
SGPA 8.58



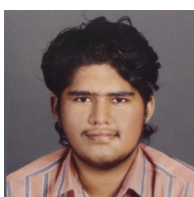
**C S
ANANDAPADMANABH
AN**
SGPA 8.45



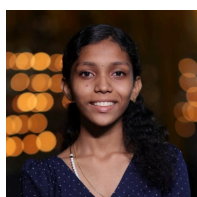
ANJALINA SAJU
SGPA 8.40



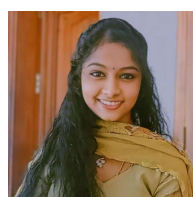
SAIRA SUNIL
SGPA 8.38



MADHAV B NAIR
SGPA 8.23



**SONA MARIA
SINSON**
SGPA 8.13



**VANDHANA LEKSHMI
A V**
SGPA 8.03



HARIS SHAJAN
SGPA 7.88



KEERTHANA REJI
SGPA 7.88



ALEENA JOHN
SGPA 7.85



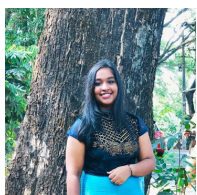
ANANDHA R
SGPA 7.83



AVINASH REJI
SGPA 7.73



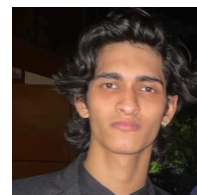
**JITHIN JOJI
SKARIAH**
SGPA 7.75



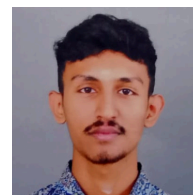
SIVAKAMI V N
SGPA 7.75



JEEVAN JOJI
SGPA 7.60



RHITHU SEKHAR
SGPA 7.60



YADHAV P S
SGPA 7.60



RECYMOL RAFAEK
SGPA 7.58



**PRANAVKRISHNA V
M**
SGPA 7.50

Student Success Through MOOC: Recent Completions

- **Sreelakshmi P T, Anandhu N, Deepthi M P, Diya Merin Babu, Priyanka Prasad, and Reethu Joesph** of S2 M.Tech completed MOOC by NPTEL on Blockchain and its Applications during January – April 2025 in IIT Kharagpur.
- **Malavika Prasad, Athira Jalendran, Adithya S Reji, Asiya Muhammed, Arathy Krishna, and Sunitha T S** of S4 M.Tech completed MOOC by NPTEL on Data Analytics with Python during January – April 2025 in IIT Kharagpur.
- **Sohil Suman and Thariq Reji** of S6B completed MOOC by NPTEL on Wheeled Mobile Robots during January – Mar 2025 in IIT Madras.
- **Jemiya Anna James** of S6B completed MOOC by NPTEL on Database Management System during January – March 2025 in IIT Kharagpur.
- **Devika S Binu and Lia Mariam Joby** of S4B completed MOOC by NPTEL on Python for Data Science during January – February 2025 in IIT Madras.

Student Innovation & Start up Initiatives

Catalysts of Change: Rising Student Innovators from the Department of Computer Science

In every generation, a few daring minds step out of the ordinary and ask the what if questions that spark transformation. At the Department of Computer Science, Mangalam College of Engineering, we take pride not only in imparting knowledge but also in nurturing curiosity, shaping leaders, and fueling innovations that have the potential to change society. Today, three promising startups from our Pre-Incubation Program, Qtrens and Nexovera stand as a testament to this spirit of discovery and enterprise.

Nexovera: Innovating with a Vision for Tomorrow



Binosh T Mathew



Aromal Sunil



Aaromal K J



Evan Punnen



Amal Xavier



Amal George

Nexovera was born from a vision to create sustainable, futuristic technologies with a human-centered approach. It represents the courage of our students to think beyond boundaries, combining creativity with technology are capable of addressing societal needs and wants. Their early traction in the market highlights not only the technical depth of their ideas but also the entrepreneurial mindset that is becoming the hallmark of our department. Nexovera's journey shows how persistence and imagination can pave the way for meaningful impact.

Qtrens: Engineering Smarter Digital Solutions



Rahul Rajan



Santo Joseph



Shone Varughese
Mathew

Qtrens emerged from the passion of students determined to solve real-world digital challenges with intelligence and adaptability. Their focus lies in designing scalable, efficient, and customizable tech solutions that bring value to businesses and individuals alike. What sets Qtrens apart is the drive to simplify complexity ensuring that technology becomes an enabler for all, not a barrier. The startup embodies the essence of innovation, where classroom ideas are transformed into market-ready expressions in the blink of an eye.

The rise of Qtrens and Nexovera, was not by chance but by design. Through structured mentoring, hands-on training, and access to incubation resources, the Department of Computer Science has acted as a catalyst, creating an ecosystem where innovation thrives. By encouraging risk-taking and guiding students through every stage from ideation to early market entry we ensure that dreams turn into ventures.

As these startups find their way into the market much sooner than expected, we celebrate not just their success but the culture of curiosity, perseverance, and leadership they represent. The Department of Computer Science applauds the young innovators who dared to dream, and we stand committed to nurturing many more pioneers who will rise to lead society into the future.

Excellence in Research & Innovation Leadership Award

We are delighted to announce that Mangalam College of Engineering has been honored with the prestigious title of Engineering College of the Year 2024 in the category of Research and Innovation Repository, conferred by Academic Insights at the highly acclaimed Education Excellence Awards and Summit 2024, held in Bangalore on 18th January 2025.

This outstanding recognition is not merely an award, but a testament to the relentless pursuit of excellence, the unwavering dedication, and the boundless innovative spirit of our distinguished faculty and talented students. It reflects our institution's commitment to pushing the boundaries of research and fostering a culture of innovation that inspires and influences the academic community across the nation.

With this remarkable achievement, Mangalam College of Engineering continues to set new standards of academic brilliance, driving forward with greater determination to shape the future of engineering education and serve as a beacon of knowledge, creativity, and progress.



DEPARTMENT HIGHLIGHTS

Industry Interaction: MOU with TEKLEARN

A handshake for progress! This historic Memorandum of Understanding (MoU) with TEKLEARN, signed on October 7, 2024, marks the commencement of a robust and strategic partnership designed to foster innovation, enhance skill development, and create limitless opportunities for students. This collaboration is a significant step toward bridging the gap between academia and industry, ensuring that students are equipped with the latest industry-relevant skills and career opportunities. By joining forces, we are committed to shaping the future of education, empowering young minds, and driving excellence in career planning and professional development.

This MoU represents a shared vision of progress, where knowledge meets practical expertise, opening new pathways for success and transformative growth in the ever-evolving technological landscape.



Expert Talk : “Research Paper Writing”



Dr. Vinodh P Vijayan
Principal , MLMCE

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 February 19 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 aims to cultivate a culture of research excellence by motivating participants to uphold rigorous standards in their research endeavors and scholarly contributions. By creating a collaboration 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 on “Edge AI in Mobile Devices”

The Department of Computer Science and Engineering at Mangalam College of Engineering is organizing an expert talk on, Edge AI in Mobile Devices scheduled for March 22, 2025, from 7:00 PM to 8:00 PM. Mr. Sreejith K. R., Senior Technical Assistant at the Center for AI and Robotics, Bangalore, will lead the session. Edge AI in mobile devices refers to running artificial intelligence algorithms directly on smartphones, tablets, or wearables, instead of sending data to the cloud for processing. This allows faster responses, better privacy, and offline functionality. It is used in features like facial recognition, voice assistants, smart cameras, and health monitoring apps. Edge AI improves user experience by reducing delays, saving bandwidth, and protecting sensitive data — all while working locally on the device. This event is an excellent opportunity for students and professionals to enhance their knowledge of edge AI technologies and stay updated with the latest trends in the field.



Mr. Sreejith K R

Senior Technical Assistant
Centre for AI and Robotics
Bangalore

Expert Talk on “Cloud Database & Database – as – a – Service (DBaaS)”



Ms. Aswathy S

Asst. Professor
Department of CSE
College of Engineering
Kidangoor

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. Aswathy S, Asst Professor, Department of CSE Mahaguru Institute of Technology, aims to provide participants with in-depth insights into advanced methodologies and practical applications in optimization. Scheduled for March 22, 2025 from 9.00 am to 3.00 pm. Cloud databases and DBaaS offer a modern, flexible, and cost-effective solution for data storage and management. They are increasingly preferred by businesses of all sizes for their scalability, ease of use, and reduced infrastructure burden. 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 on “File Management and Security in Operating Systems”

The Department of Computer Science and Engineering at Mangalam College of Engineering is organizing an expert talk on File Management and Security in Operating Systems, scheduled for March 23, 2025, from 10:00 AM to 3:00 PM. Mr. Arun P. Kuttappan, Assistant Professor, Department of Computer Science and Engineering, Carmel College of Engineering, will lead the session. File management in operating systems involves the organization, storage, retrieval, naming, and manipulation of files on storage devices. It uses directories to group files and supports access methods, including sequential and direct access. The system manages metadata like file name, size, type, and timestamps, and allocates storage space efficiently. File security ensures that data is protected from unauthorized access or changes. It includes access control through permissions, user authentication, and encryption. Additionally, backup and recovery mechanisms help prevent data loss, while audit trails track file usage and changes for security monitoring. 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.



Mr. Arun P Kuttappan
Assistant Professor
Department of CSE
Carmel College of Engineering
& Technology

Expert Talk on “ Software Testing Strategies and Approaches”



Mr. Anoop R S
Assistant Professor
Department of CSE
Carmel College of Engineering
& Technology

The expert talk on, Software Testing Strategies and Approaches organized by the Department of Computer Science and Engineering at Mangalam College of Engineering and conducted by Mr. Anoop R S, Assistant Professor, Department of Computer Science and Engineering, Carmel College of Engineering, aims to provide participants with in-depth insights into advanced methodologies and practical applications in optimization. Scheduled for March 26, 2025 from 6:30 PM to 7:30 PM. Software testing strategies and approaches are essential practices to ensure the quality, functionality, and reliability of a software product. Strategies like unit testing, integration testing, system testing, and acceptance testing are used at different stages of development to validate various aspects of the software from individual components to the complete system. Together, these strategies and approaches provide a structured way to identify defects and improve overall software quality.

Expert Talk on “Digital Image Processing Techniques”

The Department of Computer Science and Engineering at Mangalam College of Engineering is organizing an expert talk on "Digital Image Processing Techniques " on March 27, 2025 at 6:30 PM to 7.30 PM, conducted by Ms. Chinnu Edwin, Assistant Professor, Department of Computer Science and Engineering, Toc H Institute of Science and Technology. This session will provide Digital image processing techniques that involve the use of computer algorithms to perform operations on digital images to enhance their quality or extract useful information. Common techniques include image enhancement. These methods are widely used in fields such as medical imaging, remote sensing, robotics, and computer vision for tasks like object recognition, feature detection, and image compression.



Ms. Chinnu Edwin

Assistant Professor
Department of CSE
Toc H Institute of Science &
Technology

Expert Talk on “Re- Engineering – to move engineers from their destined profession to entrepreneurs”



Mr. Premchand S

Business Support Manager
BrandOptics, Cochin

The Department of Computer Science and Engineering at Mangalam College of Engineering is organizing an expert talk on "Re- Engineering – to move engineers from their destined profession to entrepreneurs" on April 12, 2025 at 11:00 AM to 1:00PM, conducted by Mr. Premchand S, Business Support Manager, BrandOptics, Cochin. The discussion focuses on the distinctions between the more strategic, market-driven viewpoint of entrepreneurs and the analytical, detail-oriented approach of engineers. Conversations about inquiry, establishing connections, adding value, and accepting difficulties are all included in this. Additionally, it highlights how engineers can benefit from entrepreneurship education by gaining abilities like empathy, multidisciplinary teamwork, and a grasp of business fundamentals. It covers subjects including communication, networking, financial literacy, company planning, and market research.

Expert Talk on “Multicore processors and Virtualization”

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. Shandry K K, Asst Professor, Department of CSE College of Engineering, Kidangoor, aims to provide participants with in-depth insights into advanced methodologies and practical applications in optimization. Scheduled for April 12, 2025 from 5.30 pm to 6.30 pm. The purpose of this session is to provide students with essential knowledge about multicore processors, the need for multicore processors, and how virtualization leads to multicore technology. Moreover, it bridges theoretical concepts with practical applications within the processors, how it is used in virtual processors its use in cloud computing in practical life. 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.



Ms. Shandry K K
Asst. Professor
Department of CSE
College of Engineering
Kidangoor

Expert Talk on “Interfacing C with Assembly Language”



Ms. Sunitha C S
Joint Director, CDAC Kochi

The Department of Computer Science and Engineering at Mangalam College of Engineering is organizing an expert talk on "Interfacing C with Assembly Language" on April 19, 2025 at 10:00 AM to 11.30 PM. The session will be conducted by Ms. Sunitha C S, Joint Director, CDAC Kochi. This talk will explore the crucial role of Interfacing C with Assembly Language. Ms. Sunitha will provide 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. Sunitha'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.

Workshop on “ Skill Enhancement for Career Excellence”



Mr. Jubin James

Chief Academic Coordinator & Faculty
Civil Service Institute Pala



Mr. Noel Thomas

Senior Mentor and Faculty
Civil Service Institute Pala



Mr. Ranjith Premnavas

Senior Salesforce Developer at Amdrodd
Technologies LLC



Mr. Manoj Murali

Member - Content Team

The Department of Computer Science and Engineering at Mangalam College of Engineering is organizing a workshop on "Skill Enhancement for Career Excellence" on February 21, 2025 from 9:00 AM to 3:00 PM. The session will be conducted by Mr. Jubin James, Chief Academic Coordinator & Faculty Civil Service Institute Pala, Mr. Ranjith Premnavas, Senior Salesforce Developer at Amdrodd Technologies LLC, Mr. Noel Thomas, Senior Mentor and Faculty Civil Service Institute Pala, and Mr. Manoj Murali, Member – Content Team. This workshop will focus on the designed to help individuals improve their professional skills and prepare for career growth. It focuses on developing communication, leadership, time management, teamwork, and problem-solving abilities. The workshop also covers resume writing, interview techniques, and workplace ethics. Through interactive sessions and practical exercises, participants gain confidence, improve their employability, and are better equipped to succeed in a competitive job market.



Alumini Meet

The Department of Computer Science and Engineering successfully hosted an Alumni Meet on January 26 2025 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.



Campus Connections

In celebrating our enthusiastic 20th batch (2021-2025), 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.



FAREWELL

The Computer Science and Engineering Department will organize a farewell event on April 02, 2025 at 11:00 am for the 2021-2025 batch. Arranged by the S6 students, the event 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 to honor the graduates and reflect on their journey over the past four years. In addition, the program 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.





International Conference ICCIDT 2K25

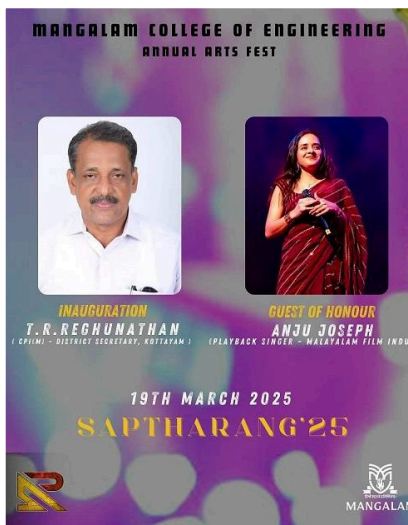
The 7th International Conference on Computational Intelligence and Digital Technology (ICCIDT 2K25) was held on April 10, 2025, at 11:00 AM in the Digital Theatre of Mangalam College of Engineering (MLMCE). Organized by the Department of Computer Science & Engineering, the event commenced with an invocation by Ms. Andrea Sebastian, Devika S Binu & Aiswarya Ajikumar, a CSE S4 student. This was followed by a welcome address from Dr. Vinodh P Vijayan, Principal of MLMCE, who officially opened the conference. Dr. Jacob Thomas, President of Mangalam Educational Society, delivered the presidential address, setting the tone and expectations for the conference. Dr. Sivaprasad K, Hon'ble Vice Chancellor, APJAKTU, inaugurated the event and delivered the inaugural address. He also released the conference proceedings & Department NewsLetter" INBOX", marking the official documentation and commencement of the event's academic contributions. The first keynote address was given by Dr.Manjula Devananda, AI research scientist, Fusemachines, USA, who shared insights on contemporary issues and advancements in computational intelligence and digital technology. The event continued with the honoring of the guests by Dr.Biju Varghese, Chairperson of Mangalam Educational Society. Dr.Simiy Mary Kurian, HOD, Computer Science & Engineering, MLMCE, extended a vote of thanks, expressing gratitude to all participants, speakers, and organizers. The second session featured a keynote address by Dr.Deepak P, Queen's University Belfast, UK, focusing on data protection and privacy in the digital age. 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.



COLLEGE ACTIVITIES

SAPTHARANG 2K25

Mangalam College of Engineering is organizing its annual arts fest, SAPTHARANG 2K25, on March 26th and 27th, 2025. 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 2K25 promises to be a celebration of culture and artistry, bringing together the entire college community in a spirit of joy and festivity. SAPTHARANG 2K25 aims to inspire excellence and camaraderie within the college community while enhancing the institution's cultural vibrancy and reputation. SAPTHARANG 2K25 overall champions & Special Achievements A big congratulations to Team Arcadians (CS8A) for emerging as the Overall Champions and Team Rhodians (CS8B) for securing the Second Runner – Up position at SAPTHARANG 2K25. A special kudos to Melbin Scaria (CS 4B) for winning the prestigious youth Icon & best Singer title at the fest.



Newly Joined Faculty Members



Ms. Aiswarya M S



Ms. Binchu Mol Abraham



Ms. Renuka Babu T



Ms. Surabhi S Nair

OUR RECRUITERS



UPCOMING EVENTS

1. Faculty Development Program - November 2025

2. Expert talks, Webinars

3. Induction Programme - August 2025

4. LECTUS - July 2025

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.

Program Educational Objectives

PEO 1 : Graduate will have a 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.

PEO 2 : Graduate will adapt to technological advancements by engaging in higher studies, lifelong learning, and research, thereby contribute to computing profession

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

PSO 1 : Apply the Principles of Computing in solving real-world problems with sustainability.

PSO 2 : Apply Futuristic technology in designing and developing hardware and software solutions.

Contact Us

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Editorial Board

Staff Coordinator : Ms. Jesteena Surendran, Asst. Professor CSE

Student Coordinators : Aaromal K J, Alfin Baiju (CSE S7-A)



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