REFLECTIONS

ECE NEWSLETTER JAN 2025

MANGALAM COLLEGE OF ENGINEERING

Vol. 16

VISION

To achieve excellent standards in technical education and engage research in the field of Electronics and Communication Engineering creating employable and innovative professional ls who can excel in global challenges

MISSION

1. To practice innovative teaching and learning practices in Electronics and Communication domain with effective curriculum enhancement and Industry collaboration.

2. To inspire creative enquiry and innovation in students through excellent training programs and projects for professional skills.

3. To imbibe a sense of team work, ethics combined with social responsibility in students.

Dr. Biju Varghese
(Chairman, Mangalam Educational institutions)

Dr. Vinodh P Vijayan
(Principal, Mangalam College of Engineering)

Dr. Abraham C G
(HOD, ECE, Mangalam College of Engineering)

ACHIEVEMENTS

- Ms Resma Chandran V P had successfully completed Microsoft India & SAP india led Faculty Development program on Applied AI: Practical implementations under TechSaksham Program from 18th Nov 2024 to 22nd Nov 2024
- Faculty members Ms. Resma Chandran V P, Ms. Deepthy Mary Alex, and Ms. Shiney M Abraham have successfully completed the MOOC offered by NPTEL and received certificates for the July–October 2024 session
- Students Mr. Shiddhu Chettickal, Ms. Ajina R Shah, Ms. Keerthana Suresh, Ms. Parvathy Viswanath, Ms. Rajasree P K, Ms. Shari V R, and Ms. Devika Dileep have successfully completed the MOOC offered by NPTEL and received certificates for the July–October 2024

HOD'S MESSAGE

Welcome to the Department of Electronics and Communication Engineering, Mangalam College of Engineering ,Ettumanoor , Kottayam. Since its establishment in 2002, Department of Electronics and Communication Engineering has been one of the most popular departments at Mangalam College of Engineering, which is recognized as one of the top colleges in the state. Equipped with modern facilities and a committed faculty, the department caters to a significant number of undergraduate and postgraduate students. Notably, the Department has successfully graduated a considerable number of postgraduate students specializing in VLSI and Embedded Systems. Over the past decade, the department has been engaged in stimulating research across various fields. Additionally, numerous workshops and conferences have been organized by the Department in the last ten years.

The ECE department has earned a strong standing with top recruiters in India. Its alumni have performed exceptionally well worldwide, upholding the department's esteemed reputation. Collaborations with companies have created a supportive platform for our students to excel. ECE graduates secure prominent positions in the industrial sector, with many holding key roles in academia and industry worldwide. Their involvement in innovative projects, driven by the robust industrial-based curriculum, often includes industrial internships. Several of them have become successful entrepreneurs, offering valuable technical expertise and support to current students.

FACULTY ACHIEVEMENTS

CERTIFICATION

- Ms Resma Chandran V P had successfully completed Microsoft India & SAP india led Faculty Development program on Applied AI: Practical implementations under TechSaksham Program from 18th Nov 2024 to 22nd Nov 2024

- Ms Resma Chandran V P had successfully completed MOOCH by Nptel on Introduction to Industry 4.0 and Industrial Internet of things and has achieved Elite certificate in the duration of July -Oct 2024

- Ms Deepthy Mary Alex had successfully completed MOOCH by Nptel on Strategic Communication for sustainable Development and has achieved certificate in the duration of July -Aug 2024

- Ms Deepthy Mary Alex had successfully completed MOOCH by Nptel on Introduction to Industry 4.0 and Industrial Internet of things and has achieved Elite certificate in the duration of July -Oct 2024

- Ms Shiney M Abraham had successfully completed MOOCH by Nptel on Introduction to Industry 4.0 and Industrial Internet of things and has achieved Elite certificate in the duration of July -Oct 2024

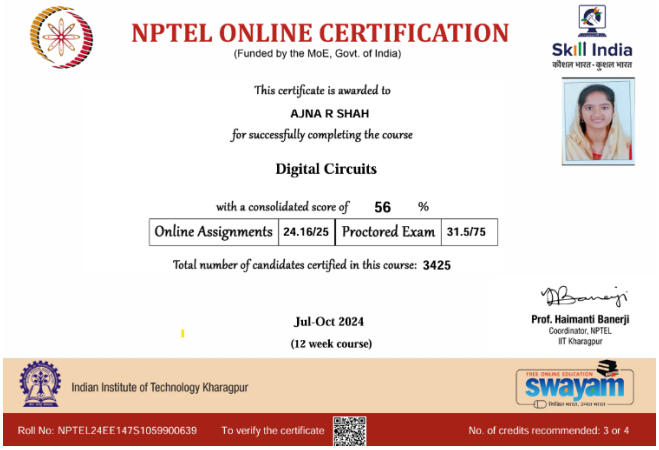
STUDENT ACHIEVEMENTS

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)
Skill India
This certificate is awarded to
SHIDDHU CHETTICKAL
for successfully completing the course
Introduction to Industry 4.0 and Industrial Internet of Things
with a consolidated score of 54 %
Online Assignments 24.35/25 | Proctored Exam 30/75
Total number of candidates certified in this course: 15725
Jul-Oct 2024
(12 week course)
Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur
Indian Institute of Technology Kharagpur
swayam
Roll No: NPTEL24CS95S459900666 To verify the certificate No. of credits recommended: 3 or 4

- Mr Shiddhu Chettickal had successfully completed MOOCH by Nptel on Introduction to Industry 4.0 and Industrial Internet of things and has achieved certificate in the duration of July - Oct 2024

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)
Skill India
This certificate is awarded to
PARVATHY VISWANATH
for successfully completing the course
Introduction to Industry 4.0 and Industrial Internet of Things
with a consolidated score of 51 %
Online Assignments 14.78/25 | Proctored Exam 36/75
Total number of candidates certified in this course: 15725
Jul-Oct 2024
(12 week course)
Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur
Indian Institute of Technology Kharagpur
swayam
Roll No: NPTEL24CS95S334002174 To verify the certificate No. of credits recommended: 3 or 4

- Ms Parvathy Viswanath had successfully completed MOOCH by Nptel on Introduction to Industry 4.0 and Industrial Internet of things and has achieved certificate in the duration of July - Oct 2024


NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)
Skill India
This certificate is awarded to
AJNA R SHAH
for successfully completing the course
Digital Circuits
with a consolidated score of 56 %
Online Assignments 24.16/25 | Proctored Exam 31.5/75
Total number of candidates certified in this course: 3425
Jul-Oct 2024
(12 week course)
Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur
Indian Institute of Technology Kharagpur
swayam
Roll No: NPTEL24EE147S1059900639 To verify the certificate No. of credits recommended: 3 or 4

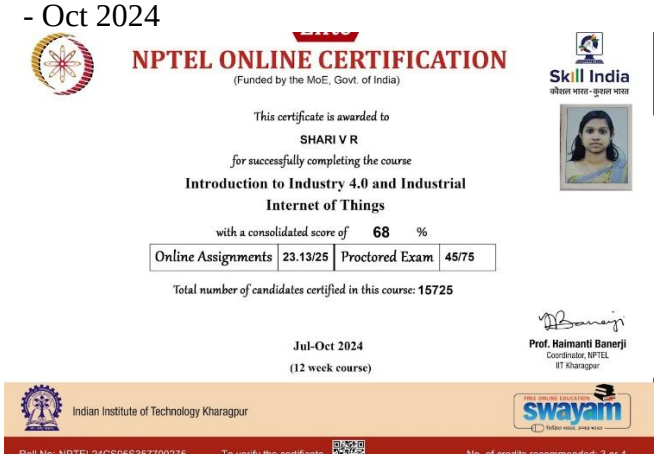
- Ms Ajina R Shah had successfully completed MOOCH by Nptel on Digital Circuits and has achieved certificate in the duration of July - Oct 2024

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)
Skill India
This certificate is awarded to
RAJASREE PK
for successfully completing the course
Automation in Production Systems and Management
with a consolidated score of 73 %
Online Assignments 23.44/25 | Proctored Exam 49.5/75
Total number of candidates certified in this course: 317
Jul-Oct 2024
(12 week course)
Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur
Indian Institute of Technology Kharagpur
swayam
Roll No: NPTEL24MG117S1059900552 To verify the certificate No. of credits recommended: 3 or 4

- Ms Rajasree P K had successfully completed MOOCH by Nptel on Automation in Production Systems and Management and has achieved Elite certificate in the duration of July - Oct 2024

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)
Skill India
This certificate is awarded to
KEERTHANA SURESH
for successfully completing the course
Digital Circuits
with a consolidated score of 47 %
Online Assignments 16.66/25 | Proctored Exam 30/75
Total number of candidates certified in this course: 3425
Jul-Oct 2024
(12 week course)
Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur
Indian Institute of Technology Kharagpur
swayam
Roll No: NPTEL24EE147S1059900514 To verify the certificate No. of credits recommended: 3 or 4

- Ms Keerthana Suresh had successfully completed MOOCH by Nptel on Digital Circuits and has achieved certificate in the duration of July - Oct 2024


NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)
Skill India
This certificate is awarded to
SHARI V R
for successfully completing the course
Introduction to Industry 4.0 and Industrial Internet of Things
with a consolidated score of 68 %
Online Assignments 23.13/25 | Proctored Exam 45/75
Total number of candidates certified in this course: 15725
Jul-Oct 2024
(12 week course)
Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur
Indian Institute of Technology Kharagpur
swayam

- Ms Shari V R had successfully completed MOOCH by Nptel on Introduction to Industry 4.0 and Industrial Internet of Things and has achieved certificate in the duration of July - Oct 2024

- Ms Devika Dileep had successfully completed MOOCH by Nptel on Python for Data Science and has achieved Elite certificate in the duration of July - Aug 2024

- Students from the 2021–2025 batch have secured prestigious placements at Tech Mahindra, a leading global provider of IT services and solutions. The Department of Electronics and Communication Engineering proudly congratulates Ashna Saji and Jisha Gigi, both currently in their 7th semester, for their remarkable achievement.

DEPARTMENT EVENTS

- *PLACEMENT TRAINING (TECHNICAL)* : The Department organized a 10-day online Placement Training Program (Technical) from October 5, 2024, to October 18, 2024, as a part of its continuous efforts to enhance students' employability and technical readiness. The training was conducted in the evening from 7:00 PM to 8:00 PM, making it convenient for students to participate without disrupting their regular academic schedules. Resource Person:Ms. Amitha Jithin Senior Developer, Facein Technologies, Kochi. Ms. Amitha Jithin, an experienced industry professional, led the sessions with a strong focus on real-world technical skills and placement-oriented training. The training sessions covered essential areas such as coding techniques, technical interview preparation, problem-solving approaches, and current industry trends, tailored specifically for Electronics and Communication Engineering students. The program was coordinated by Mr. Lijos Mathews, Placement Coordinator, Department of ECE, who ensured smooth execution and maximum student participation. The initiative aligns with the department's mission to provide innovative training and promote employability among students.

- *<u>TALK SESSION: "How to Start a Career as an Entrepreneur":</u> The* Department organized an inspiring and insightful Talk Session on the topic "How to Start a Career as an Entrepreneur" on August 23, 2024, at 1:30 PM. Resource Person: Mr. Arun Mohan Founder & Managing Director, Adfolks. Mr. Arun Mohan, a dynamic entrepreneur and the visionary behind Adfolks, addressed the students with a power-packed session on entrepreneurship, innovation, and building a career through self-driven ventures. Drawing from his own journey, he shared real-world insights, challenges, and the mindset needed to transition from being a student to a successful entrepreneur. The session was engaging and interactive, with students actively participating and raising thought-provoking questions. Mr. Arun emphasized the significance of starting early and cultivating a problem-solving attitude, which resonated deeply with the audience. This event aligns with the department's mission to foster innovation, industry collaboration, and professional skills in students. It was a successful initiative toward nurturing the next generation of innovators and entrepreneurs. The Department extends its heartfelt gratitude to Mr. Arun Mohan for sharing his valuable time and experience with the students and making the session a great success.

- *<u>HANDS-ON WORKSHOP: "Embedded Design: Project-Based Learning":</u>* The Department successfully organized a Hands-on Workshop titled "Embedded Design: Project-Based Learning" from September 9, 2024 to September 13, 2024. The sessions were conducted daily from 11:00 AM to 4:00 PM, specifically designed for the 2022–2026 batch students. Workshop Facilitator: Facein Technologies,

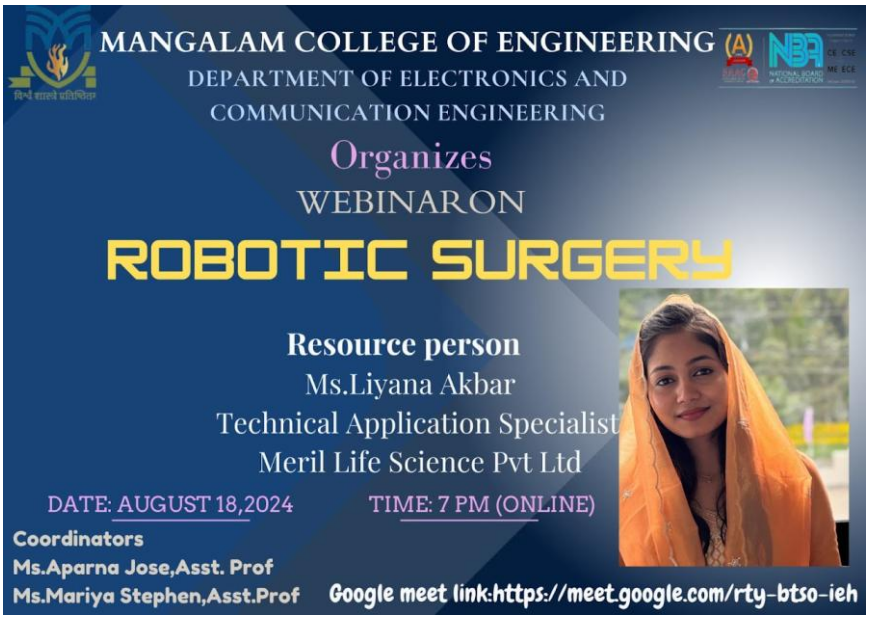
Kochi. A reputed industry partner, Facein Technologies provided expert trainers who guided the students through various concepts and applications of embedded system design, focusing on real-time project implementation and industry-relevant skills. The event was coordinated efficiently by Dr. Devika Sarath and Ms. Shiney M. Abraham, who ensured the smooth conduct of the workshop and encouraged student participation throughout. This initiative is in alignment with the department's mission to promote industry collaboration, innovation, and professional skill development among students. The workshop received excellent feedback from participants and proved to be a significant step in fostering hands-on learning experiences.

- "*Level up your Resume: Your Career Passport" :* The Department conducted a career development workshop titled "Level up your Resume: Your Career Passport" on 21st August 2024 (Wednesday) at 10:00 AM. Workshop Facilitator: Birapt, Ernakulam,

  Renowned for their career training and placement services, Birapt delivered an impactful and engaging session tailored to improve students' resume-building skills and employability readiness. Mr. Lijosh Mathews, the Placement Coordinator of the ECE Department, took the initiative in organizing this insightful session. His coordination ensured active participation from the students and smooth conduct of the event. This workshop was a valuable step toward career readiness for the students of the ECE department and is a reflection of the department's ongoing commitment to nurturing professional excellence.

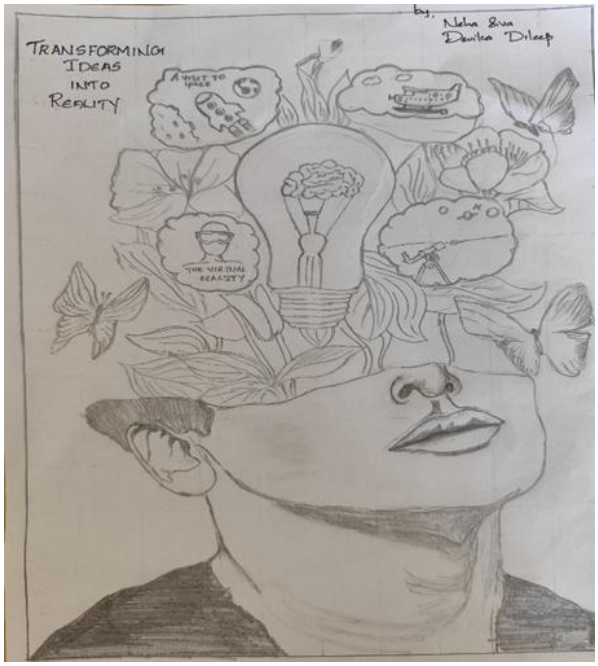
- *WEBINAR: "Engineering for Community Safety":* The Department organized an insightful webinar titled "Engineering for Community Safety" on 29th August 2024 at 7:00 PM through Google Meet. Resource Person:Mr. Shybin P Shibu Manager, R&D Department Reporter TV With a background in media and research, Mr. Shybin P Shibu provided a unique perspective on how engineering can contribute to the welfare and safety of the community, especially in real-world emergency and public safety scenarios. Coordinators: Ms. Mariya Stephen& Ms. Aparna Jose, Their effective planning and coordination ensured the smooth execution of the event and active participation from students and faculty members. The session served as a reminder of the broader responsibilities' engineers hold in shaping a safe and sustainable society.

- *WEBINAR: "ROBOTIC SURGERY":* The Department organized an engaging and informative webinar on "Robotic Surgery" on August 18, 2024, at 7:00 PM via Google Meet. Resource Person:Ms. Liyana Akbar Technical Application Specialist Meril Life Science Pvt. Ltd. Ms. Liyana Akbar shared her expertise and industry experience, offering students a practical understanding of how robotics is transforming the healthcare sector.



She emphasized the importance of interdisciplinary knowledge and the role of engineers in medical innovations. The session was highly interactive, with students actively participating in the Q&A session, clarifying their doubts, and exploring future opportunities in the field. Coordinators: Ms. Aparna Jose, Asst. Professor & Ms. Mariya Stephen, Asst. Professor, their efforts in organizing the event ensured seamless execution and enthusiastic participation from the students. The webinar was a great success, bridging the gap between engineering and medicine, and inspiring students to consider roles in healthcare technologies. It was a valuable learning experience for all attendees.

- A Poster Competition on "Engineers Day" will be conducted for all students of Mangalam Engineering College ,the theme for poster competition "Transforming Ideas in to Reality" on 12th September 2024.



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ME ECE
Valid upto 30/06/2026

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