



MANGALAM COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



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EDITORIAL BOARD

**MS. JOLLY GEORGE
ASSISTANT PROFESSOR
EEE DEPARTMENT**

**STUDENT COORDINATOR-
Mr. Jacob Thomas**

VISION

To excel as a premier department in education and research, supporting our students to shape their dreams of becoming employable committed engineering professionals

MISSION

Relentlessly strive to create vibrant learning environment, provide state of the art laboratory facilities, and actively engage in research and live up to high moral and ethical standards.

PROGRAMME EDUCATIONAL OBJECTIVES

PEO 1: [Focus: Domain Knowledge and Practical Implementation Skill]: The graduates will have foundation in science, maths and management to interpret core electrical engineering subjects and ability in designing, formulating and solving experimental projects through simulation and hardware.

PEO 2: [Focus Employability, Leadership, Team Work, Communication Skills, and professional practice]: The graduate will be employable with capabilities like communication skills, working with and building teams, upholding moral and ethical values.

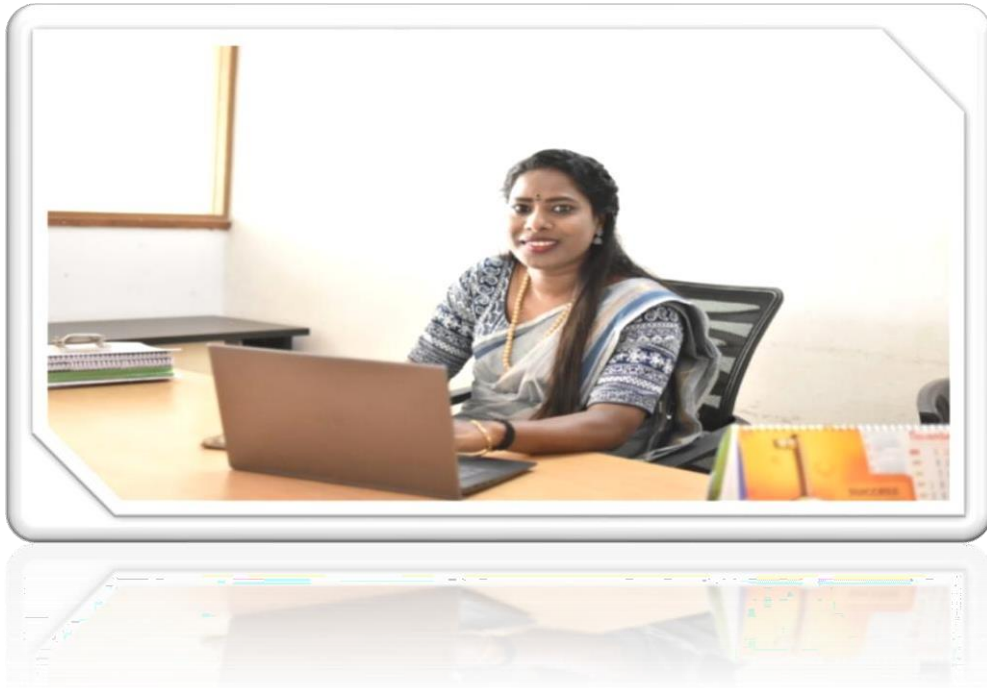
PEO 3: [Focus Life Long Learning and Higher Studies]: The graduates will be equipped for higher studies and pursue lifelong learning.

PROGRAM SPECIFIC OUTCOMES

PSO1: Apply the fundamental knowledge to identify, analyze and solve various real time problems (complex problems) in Electrical power systems which comprises of control and protection circuits, power electronic circuits, etc

PSO2: Apply emerging technologies along with modern software tools (like MATLAB, PLC, ECAD etc), for designing, simulating and analyzing electrical as well as electronic system to engage in lifelong learning.

PSO3: Able to utilize project management techniques and sustainable engineering for developing projects related to electric vehicles, smart power grids, automatic controllers, control and protection circuits, energy management and savings embedded system etc.

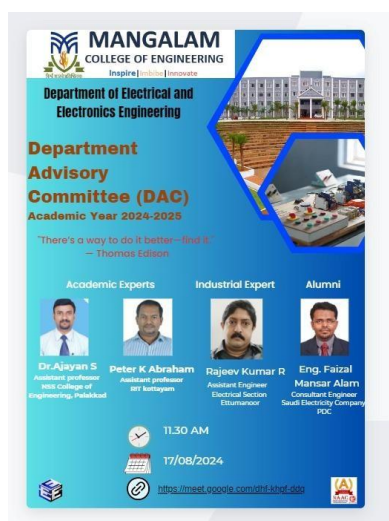


MESSAGE FROM HOD'S DESK

It gives me immense pleasure to present the Newsletter of the Department of Electrical & Electronics Engineering for the Academic Year 2024–25 (July to December). This edition highlights the vibrant academic culture, technical achievements, and active participation of our faculty and students in various professional and social spheres. Our department is committed to shaping competent electrical engineers equipped with strong theoretical foundations and practical skills essential for the modern power and energy sector, automation, control, and emerging electrical technologies. With the guidance of our experienced faculty, students are encouraged to engage deeply with core subjects like Power Systems, Electrical Machines, Power Electronics, and Control Systems, while developing hands-on proficiency through our well-equipped laboratories and project-based learning. To support holistic development, we regularly conduct technical workshops, industrial visits, seminars by industry experts, and sessions on soft skills and personality enhancement. Our students actively participate technical contests, paper presentations, and project expos at intra-college, inter-college, and university levels. In addition, we promote involvement in co-curricular and extracurricular activities, and encourage a spirit of social responsibility through NSS, student clubs, and outreach programs. These efforts help in still leadership, ethics, and a service-oriented mindset in our budding engineers. I take this opportunity to appreciate the newsletter team for their dedicated work in compiling and showcasing the department's events and milestones. Their effort reflects the vibrant spirit of our department and the collective commitment to excellence.

“Department Advisory Committee”

The Department of Electrical and Electronics Engineering at Mangalam College of Engineering conducted its Department Advisory Committee (DAC) meeting for the academic year 2024–2025. The meeting was held on 17th August 2024 at 11:30 AM via Google Meet. The objective of the DAC meeting was to discuss and evaluate the academic activities, industry trends, and alumni feedback to enhance the overall quality and relevance of the department’s academic offerings. The committee comprises distinguished members including academic experts Dr. Ajayan S, Assistant Professor at NSS College of Engineering, Palakkad, and Peter K Abraham, Assistant Professor at RIT Kottayam. The industrial perspective represented by Rajeev Kumar R, Assistant Engineer from the Electrical Section, Ettumanoor. Additionally, alumni insights will be shared by Eng. Faizal Mansar Alam, Consultant Engineer at the Saudi Electricity Company (PDC). The event was guided by the inspiring quote of Thomas Edison, “There’s a way to do it better—find it,” reflecting the department’s commitment to continuous improvement and innovation.



7TH APJ ABDUL KALAM ENERGY QUIZ

The Department of Electrical and Electronics Engineering at Mangalam College of Engineering, in collaboration with the KSEB Engineers Association, successfully organized the 7th Dr. APJ Abdul Kalam Energy Quiz. This prestigious event aimed to promote energy awareness and technical excellence among students. The quiz witnessed enthusiastic participation, with students showcasing their knowledge and competitive spirit. Attractive cash prizes were awarded to the winners, with the first prize of ₹10,000, the second prize of ₹5,000, and the third prize of ₹3,000. In recognition of their efforts, merit certificates were distributed to all participants. This initiative was aligned with the department's vision of excelling in education and research, and its mission to foster a vibrant learning environment with ethical and professional commitment. The event was coordinated effectively by Ms. Preethi Sebastian and Dr. Honey Baby, and marked another milestone in the department's journey toward academic and co-curricular excellence.

MANGALAM
COLLEGE OF ENGINEERING
Inspire | Imbibe | Innovate

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
IN COLLABORATION WITH
KSEB ENGINEERS ASSOCIATION

DR. APJ ABDUL KALAM
7th ENERGY QUIZ

FIRST PRIZE: 10000 **SECOND PRIZE: 5000** **THIRD PRIZE: 3000**

VISION
TO EXCEL AS A PREMIER DEPARTMENT IN EDUCATION AND RESEARCH, SUPPORT OUR STUDENTS TO SHAPE THEIR DREAMS OF BECOMING EMPLOYABLE COMMITTED ENGINEERING PROFESSIONALS.

MERIT CERTIFICATES TO ALL PARTICIPANTS

MISSION
RELENTLESSLY STRIVE TO CREATE VIBRANT LEARNING ENVIRONMENT, PROVIDE STATE OF THE ART LABORATORY FACILITIES, AND ACTIVELY ENGAGE IN RESEARCH AND LIVE UP TO HIGH MORAL AND ETHICAL STANDARDS

COORDINATORS
MS. PREETHI SEBASTIAN
DR. HONEY BABY

ELECTRICAL ENGINEERING DEPARTMENT



കെഎസ്ഇഇ
കോളിസിയം
അസോസിയേഷൻ

College Level WINNERS

1 **ABHIJITH MANESH** (SI EEE)

2 **ADHIL AJI** (S3 EEE)

മാതൃകാ നൂതനരംഗത്തിലെ
കുറ്റവും വലിയ ക്രിസ് മത്സരത്തിന്റെ
31-ാം എഡിഷൻ സമാരംഭം

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
MANGALAM COLLEGE OF ENGINEERING



"INDUSTRY-ACADEMIA CONNECT: A TECHNICAL TALK BY MR. DILEEP MB"

The Department of Electrical and Electronics Engineering at Mangalam College of Engineering, in association with the Industry Institute Interaction Cell (IIIC), organized a webinar titled "Powering Innovation: Bridging Industry and Electrical Engineering". The session aimed at enhancing industry-academia collaboration and exposing students to current trends and expectations in the electrical engineering industry.

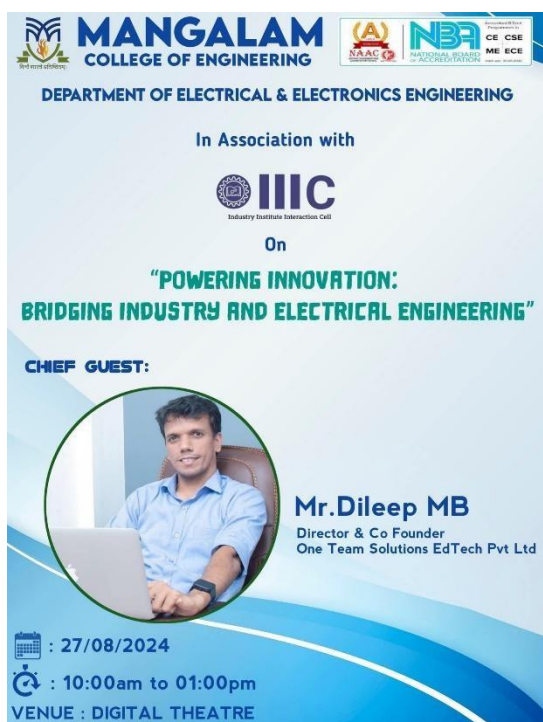
The event was graced by Mr. Dileep MB, Director and Co-founder of One Team Solutions EdTech Pvt. Ltd, as the Chief Guest. He shared valuable insights on how innovation in electrical engineering can be aligned with industry demands and provided guidance on how students can better prepare for careers in the field.

 Date: 27th August 2024

 Time: 10:00 AM to 01:00 PM

 Venue: Digital Theatre

The session was informative and interactive, helping bridge the gap between academic learning and practical industry requirements.



MANGALAM
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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

In Association with

IIIC
Industry Institute Interaction Cell

On

**"POWERING INNOVATION:
BRIDGING INDUSTRY AND ELECTRICAL ENGINEERING"**

CHIEF GUEST:



Mr. Dileep MB
Director & Co Founder
One Team Solutions EdTech Pvt Ltd

 : 27/08/2024

 : 10:00am to 01:00pm

VENUE : DIGITAL THEATRE



"IGNITE 2024: FIRST YEAR INDUCTION PROGRAM – WELCOMING THE NEXT GENERATION OF ENGINEERS"

The First Year Induction Program titled "Ignite 2024" was conducted by Mangalam College of Engineering to warmly welcome the new batch of B.Tech students. The event aimed to introduce students to the academic environment, institutional values, and support systems available on campus.

The program featured interactive sessions, motivational talks, faculty introductions, and insights into engineering disciplines, helping students transition smoothly into college life. Emphasis was placed on discipline, ethics, communication, and the importance of innovation and lifelong learning in engineering.

Special sessions on student clubs, mentoring, anti-ragging policies, and campus facilities were also held. The event concluded with cultural performances and an enthusiastic interaction session, leaving the students inspired and well-oriented for their academic journey ahead



MANGALAM
COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

**ALUMNI LINK UP
INTERACTION WITH
PROMINENT**

INTERACTION WITH
PROMINENT ALUMNI- MR.
INDOOCHOODAN/
ASSISTANT ENGINEER-
KSEB

**11/09/2024
09:30 AM**

INDUCHOODAN DR
ASSISTANT ENGINEER- KSEB

**INDUCTION
PROGRAMME-2024**



EXPLORING THE POWER AND POTENTIAL OF ELECTRICAL ENGINEERING

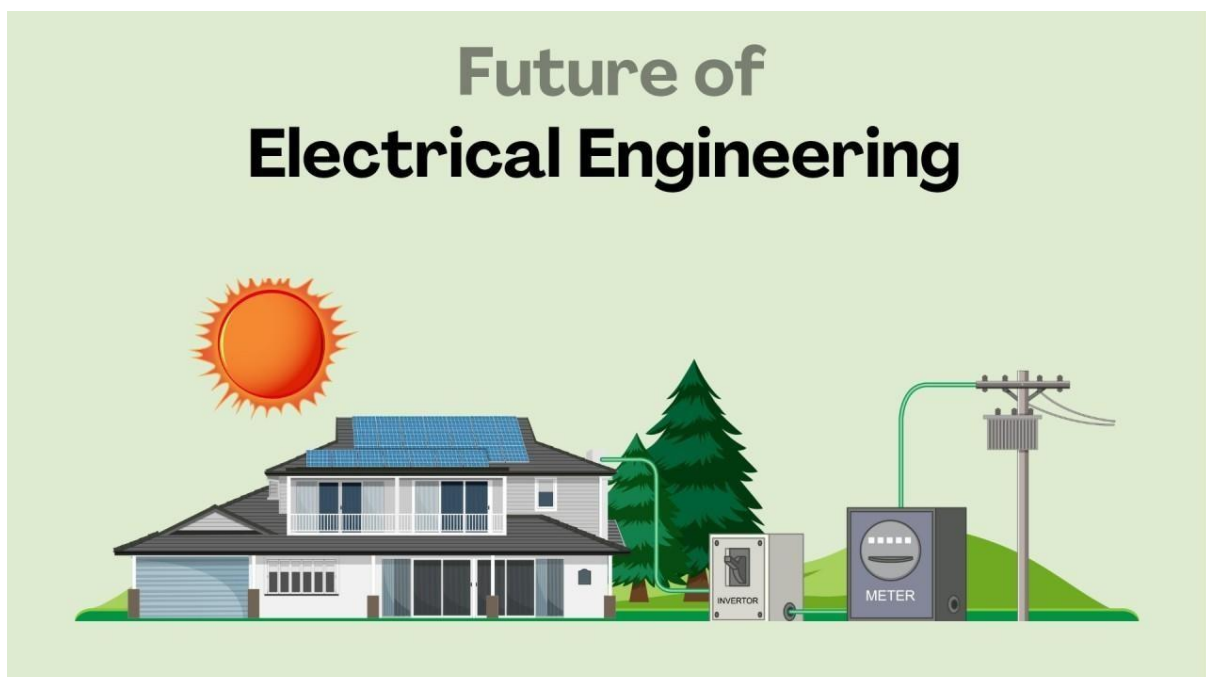
 By Aswin Aji

Electrical Engineering is more than just a field of study—it's the foundation of the modern world. From the electricity that powers our homes to the complex circuitry within smartphones, electrical engineering continues to shape the future in unimaginable ways.

I am Aswin Aji, and as an enthusiast of this dynamic branch of engineering, I am constantly inspired by its evolving nature. Electrical engineering not only teaches us how to build circuits or operate machines—it cultivates problem-solving, logical thinking, and innovation. The scope of this domain spans from power systems, electronics, and control systems to renewable energy technologies and embedded systems.

One of the most exciting aspects today is the shift toward sustainable and smart technologies. With the rise of electric vehicles, smart grids, and IoT-enabled devices, electrical engineers are at the heart of global transformation. At every step, we're driven by a passion to make systems more efficient, reliable, and environmentally friendly.

As a student/professional in this field, I believe that the challenges we face—be it energy demands or technological integration—are opportunities to innovate. Electrical Engineering is not just about wires and currents; it's about powering dreams and igniting the future.



NEWLY JOINED FACULTY MEMBERS

Ms.Krishna Priya T.K

Assistant Professor

M.Tech.

Power Electronics and Drives



Ms.Shilpa Rajan

Assistant Professor

M.Tech.

Power Electronics and Power system



18TH RANK
ENGINEERING COLLEGE
IN KERALA 2024



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