



# REFLECTIONS

## ECE NEWSLETTER JANUARY'26 MANGALAM COLLEGE OF ENGINEERING



VOL:  
18



### VISION

To achieve excellent standards in technical education and engage research in the field of Electronics and Communication Engineering creating employable and innovative professionals 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)

### Key Highlights

- ECSYNC – New Association Identity & Logo Launch
- New Office Bearers Take Charge
- NPTEL Elite & Elite + Silver Certifications
- Faculty Book Publication – Digital Electronics and Logic Design
- Two-Day Hands-On Workshop on Python & Machine Learning
- HAM Radio Awareness
- LECTUS 2K25 – Graduation Ceremony

### HOD'S MESSAGE

The Department of Electronics and Communication Engineering, Mangalam college of Engineering founded on a commitment to educational excellence, aims to inspire the next generation of technological leaders and researchers. Since our establishment in 2002, the department has grown significantly, increasing student intake and introducing postgraduate programs in VLSI and Embedded Systems.

Our distinguished faculty are experts in their fields, dedicated to fostering interdisciplinary learning. Through various opportunities such as student organizations, internships, co-ops, and research projects, we ensure students gain real-world experience by collaborating with peers, researchers, and industry professionals both nationally and internationally.

In addition to regular coursework, we offer an inclusive learning environment enriched with seminars, workshops, and training programs led by students and staff. These sessions keep students updated on the latest trends in electronics by engaging them with industry experts.

The department also promotes a strong sense of community and personal growth through a variety of cultural and sports activities throughout the year. We are committed to producing socially responsible graduates who are prepared to make a positive impact on the world.

## HAM RADIO: THE VOICE ACROSS THE SKY

Under the banner of IEEE ComSoc MLMCE, an insightful session titled “HAM RADIO: The Voice Across the Sky” was conducted on 29 July 2025 at the Digital Theatre.

The session featured Joseph Mattappally (VU2JIM), a veteran ham radio operator, author, and the first General Convenor of Hamfest India. With his extensive experience in amateur radio since 1984, he shared his journey and introduced students to the fascinating world of HAM radio and long-distance communication.

The session explored HAM radio operations, analog communication, and its relevance in the digital era, while highlighting its applications in learning, experimentation, community service, and emergency communication. His experiences and insights offered students a deeper understanding of the technology and its enduring importance.

The interactive session sparked great interest among the students, with many inspired to explore amateur radio and pursue a HAM radio licence. The programme demonstrated how HAM radio continues to connect people, encourage technical curiosity, and inspire innovation even in today's digital age.

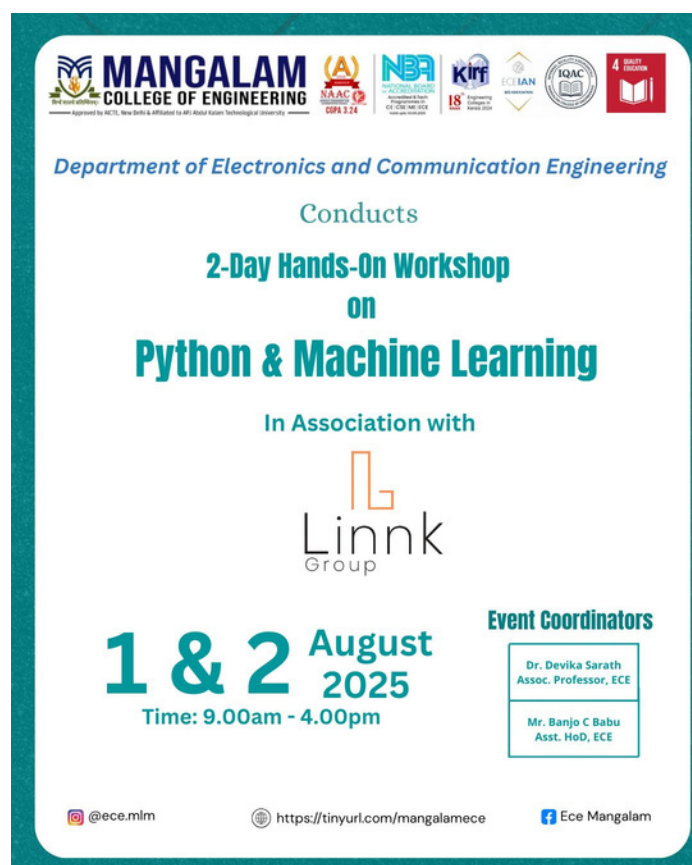


## WORKSHOP

The Department of Electronics and Communication Engineering organized a two-day hands-on workshop on Python and Machine Learning on 1 and 2 August 2025, in association with Linnk Group.

The workshop was designed to provide students with practical exposure to Python programming, data handling, and fundamental Machine Learning concepts. Through interactive sessions and hands-on activities, participants gained an opportunity to strengthen their programming skills and understand the practical applications of Machine Learning in engineering and emerging technologies.

The sessions were conducted from 9:00 AM to 4:00 PM, providing participants with an engaging and learning-focused experience. The programme was coordinated by Dr. Devika Sarath, Associate Professor, ECE, and Mr. Banjo C Babu, Assistant HoD, ECE.



## INAUGURATION CEREMONY OF ECE ASSOCIATION



The ECSYNC logo was designed by Jaseem Sujath, whose creative work brought the new identity to life. In recognition of his contribution, Jaseem was honoured with a cash prize during the ceremony.

The launch of ECSYNC symbolizes a fresh beginning for the association, with a renewed vision to bring students together, encourage creativity, and create more opportunities for learning and collaboration.

The Department of Electronics and Communication Engineering successfully organized the Inauguration Ceremony of the ECE Association on 8 August 2025 at 1:30 PM at the Digital Theatre. The programme featured Dr. A. Ananth, HOD, Department of Electronics and Communication Engineering, IITK, as the Chief Guest. The event marked an inspiring beginning for the ECE Association, encouraging students to explore emerging technologies, innovation, and professional development.



The official newsletter of the ECE Association was unveiled by the Chief Guest during the inauguration ceremony. The newsletter serves as a platform to highlight the association's activities, achievements, events, and memorable moments. The reveal marked an important milestone, capturing the journey and accomplishments of the association while providing a glimpse into its future initiatives.

The new office bearers of the ECE Association officially took charge during the inauguration ceremony, marking the beginning of a new term of leadership and activities.

The newly appointed team takes on the responsibility of guiding the association, organizing impactful initiatives, and creating opportunities for students to learn, collaborate, and grow.



The ECE Association marked a new chapter with the unveiling of its new name and logo, ECSYNC during the inauguration ceremony. The new identity reflects the association's spirit of connection, collaboration, creativity, and innovation.

Their appointment marks a fresh start for the association, with a shared commitment to strengthening student engagement and fostering innovation throughout the academic year.



An IETE membership distribution ceremony was conducted for the students. The memberships were distributed by Dr. Neema George, Vice Principal, marking a significant step in encouraging students to engage with professional organizations and technical activities.

The ceremony highlighted the importance of professional membership in providing students with opportunities for technical learning, networking, and professional growth.



The Prize Distribution Ceremony for the Article Writing Competition was conducted as part of the programme. The first and second prize winners were felicitated and presented with their prizes, recognizing their creativity, writing skills, and thoughtful contributions. The ceremony celebrated the students' enthusiasm and encouraged them to continue expressing their ideas through writing.



As a gesture of gratitude and recognition, a Token of Appreciation was presented to Dr. A. Ananth by Principal Vinodh P. Vijayan during the programme. The felicitation acknowledged his valuable presence, time, and contribution to the event. It was a meaningful moment of appreciation, reflecting the department's gratitude for his support and participation.



The Chief Guest delivered an insightful session on the “Evolution of Mobile Communication.” The session explored the remarkable journey of mobile communication technology, from early-generation networks to the advanced systems used today. It provided students with valuable insights into the development, innovations, and future possibilities of mobile communication, making the session an informative and engaging experience.



## STUDENT ACHIEVEMENTS

The Department of Electronics and Communication Engineering, Mangalam College of Engineering, proudly congratulates the top performers of the KTU S2 Examination from the 2024–2028 batch. Their outstanding results reflect their dedication, perseverance, and consistent academic efforts. The department applauds these students for setting an inspiring benchmark for their peers and wishes them continued success as they strive for greater achievements in their academic and professional journey.



Department of Electronics and Communication Engineering

*Congratulations*

To The Toppers of KTU S2 Examination ( Batch 2024–28 )



The Department of Electronics and Communication Engineering, Mangalam College of Engineering, proudly celebrates the top performers of the KTU S4 Examination from the 2023–2027 batch. Their remarkable academic performance is a testament to their hard work, determination, and commitment to excellence.

The department congratulates these achievers for their outstanding accomplishment and for inspiring their fellow students to strive for excellence. May their success pave the way for many more milestones in the years ahead.



The Department of Electronics and Communication Engineering, Mangalam College of Engineering, proudly recognizes the top performers of the KTU S6 Examination from the 2022–2026 batch. Their exceptional results showcase their dedication, perseverance, and pursuit of academic excellence.

The department extends its heartfelt congratulations to all the achievers for their remarkable performance. Their success serves as an inspiration to their peers and a proud moment for the department. May they continue to achieve greater heights in their academic and professional journeys.



The Department of Electronics and Communication Engineering, Mangalam College of Engineering, proudly congratulates Sindhoory K S, Printa S Palan, Anagha Rakesh, Allwin Jacob, Anjana Chandran, and Anjali Baiju, M.Tech students in VLSI & Embedded Systems, for successfully completing the NPTEL course “Introduction to Industry 4.0 and Industrial Internet of Things” with Elite + Silver certification. Their achievement reflects their dedication to continuous learning and their efforts to strengthen their knowledge in Industry 4.0 and emerging IoT technologies.



The Department of Electronics and Communication Engineering, Mangalam College of Engineering, proudly congratulates Rejoice Oommen George (S3 ECE), Ajay Antony (S5 ECE), and Govind S (S5 ECE) for successfully completing the NPTEL course “Digital Circuits.” The department also congratulates Jasmin Anna John (S7 ECE) and Treesa Biju (S7 ECE) for completing “Software Testing,” and Aswathi N T (M.Tech VLSI & Embedded Systems) for successfully completing “Introduction to Machine Learning.” Their achievements reflect their dedication to continuous learning, technical development, and academic excellence beyond the regular curriculum. The department appreciates their efforts and wishes them continued success in their future endeavours.

## FACULTY ACHIEVEMENTS

The Department of Electronics and Communication Engineering, Mangalam College of Engineering, proudly congratulates its faculty members for their successful completion of various NPTEL courses. Resma Chandran V P, Assistant Professor, and Dr. Devika Sarath, Associate Professor, secured Elite + Silver certifications in Microsensors and Nanosensors and Artificial Intelligence: Concepts and Techniques, respectively. Banjo C Babu, Meera Boban, and Sumesh Chandran, Assistant Professors, achieved Elite certification in OBE and Accreditation, Control Engineering, and Research Methodology, respectively, while Neeba George, Assistant Professor, secured Elite certification in Introduction to Microwave and Optical Metamaterials. Their achievements reflect the department's commitment to continuous professional development, academic excellence, and lifelong learning.

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**Department of Electronics and Communication Engineering**

*Congratulations*

For successfully completing the NPTEL course on  
**"Digital Circuits"**

  
 Rejoice Oommen George  
S3 ECE

  
 Ajay Antony  
S5 ECE

  
 Govind S  
S5 ECE

**Software Testing**  
Elite

  
 Jasmin Anna John  
S7 ECE

**Introduction to Machine Learning**

  
 Treesa Biju  
S7 ECE

  
 Aswathi N T  
M.Tech  
VLSI & Embedded systems

**MANGALAM**  
COLLEGE OF ENGINEERING  
Inspire | Indulge | Innovate

**Department of Electronics & Communication Engineering**

*Congratulations*

For successful completion of the NPTEL course  
**ELITE + SILVER**

"Microsensors and Nanosensors"

  
 RESMA CHANDRAN V P  
ASSISTANT PROFESSOR

"Artificial Intelligence: Concepts and Techniques"

  
 DR. DEVIKA SARATH  
ASSOCIATE PROFESSOR

**ELITE**

"OBE and Accreditation"

  
 BANJO C BABU  
ASSISTANT PROFESSOR

"Control Engineering"

  
 MEERA BOBAN  
ASSISTANT PROFESSOR

"Research Methodology"

  
 SUMESH CHANDRAN  
ASSISTANT PROFESSOR

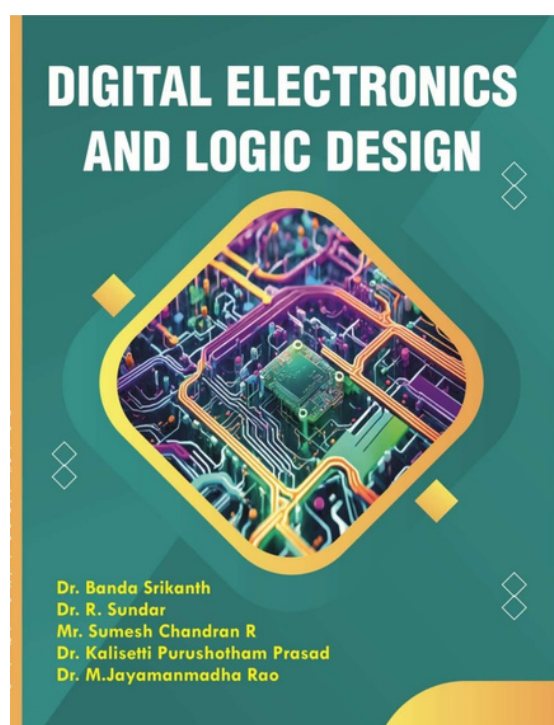
"Introduction to Microwave and Optical Metamaterials"

  
 NEEBA GEORGE  
ASSISTANT PROFESSOR

## BOOK PUBLICATION

Mr. Sumesh Chandran R, Assistant Professor, Department of Electronics and Communication Engineering, Mangalam College of Engineering, is a co-author of the book Digital Electronics and Logic Design. The book focuses on the fundamental concepts of digital electronics and logic design, providing a structured academic resource for students to understand digital circuits and related design principles.

His contribution to the book reflects his academic expertise, commitment to knowledge sharing, and dedication to supporting students in the field of electronics and communication engineering.



## DEPARTMENT EVENTS

The Department of Electronics & Communication Engineering organized an Induction Program for the ECE Batch 2025–29, featuring a series of academic, professional, and awareness-oriented sessions. The program included an expert talk on cyber crimes by Adv. Seethal Susan Thomas, an awareness session on the effects of substance abuse by Mr. Akhildev, and an engaging alumni talk by Mr. Sanjay John Eapen, Co-founder & CEO of Thincture, Dubai.

The induction program also focused on college and department orientation, Universal Human Values, an MSME visit, ice-breaking activities, extracurricular opportunities, English, Mathematics and programming proficiency, professional body familiarization, and KTU rules and regulations, providing students with a comprehensive introduction to their academic journey.

**Department Of Electronics & Communication**  
*Induction Program*  
 (Batch 2025-29)

| Expert talk on<br>Cyber crimes                                                                                         | Awareness on the<br>Effects of<br>Substance Abuse                                               | Alumni Talk                                                                                  |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <br><b>Adv. Seethal Susan Thomas</b><br><small>Advocate and Central History<br/>District Court Centre Kottayam</small> | <br><b>Mr. Akhildev</b><br><small>Principal Sub Inspector<br/>Ettumanoor Police Station</small> | <br><b>Mr. Sanjay John Eapen</b><br><small>Co-founder &amp; CEO<br/>Thincture, Dubai</small> |
| TUESDAY                                                                                                                | 19 AUGUST, 2025                                                                                 | WEDNESDAY 20 AUGUST, 2025                                                                    |

**Key Aspects**

|                                      |                                                            |
|--------------------------------------|------------------------------------------------------------|
| 1. College & Department Introduction | 6. English, Mathematics and Programming Proficiency Module |
| 2. Session on universal Human Values | 7. Professional body familiarization.                      |
| 3. MSME Visit                        | 8. KTU Rules/Regulations                                   |
| 4. Ice breaking session              |                                                            |
| 5. Extra curricular Activities       |                                                            |

## **ONAM CELEBRATIONS**

The Department of Electronics and Communication Engineering celebrated Onam with great enthusiasm, bringing together students and faculty in the true spirit of Kerala's harvest festival. The campus came alive with traditional attire, vibrant decorations, and cheerful gatherings, creating a joyful festive atmosphere.

Students and faculty actively participated in the celebrations, making the occasion a memorable one filled with laughter, camaraderie, and togetherness. Dressed in traditional kasavu sarees and mundu, everyone came together to embrace the rich cultural heritage of Kerala.

The celebration strengthened the bond among the department members and provided a wonderful break from academic routines. The colourful moments captured during the event reflected the unity, cultural spirit, and togetherness that make Onam truly special



## **LECTUS 2K25**

The Department of Electronics and Communication Engineering proudly celebrated the graduation of the 2021–2025 batch through LECTUS 2K25, a special occasion commemorating the students' successful completion of their academic journey.

The ceremony brought together graduating students, faculty members, and dignitaries to celebrate years of hard work, learning, and personal growth. The event was filled with moments of pride, joy, and nostalgia as students donned their graduation robes and celebrated this important milestone with their mentors and peers.

LECTUS 2K25 marked not only the culmination of their college journey but also the beginning of a new chapter filled with opportunities and challenges. The department congratulates the graduating students and wishes them success, excellence, and a bright future ahead.



### **EDITORIAL BOARD**

Mr.AJEESH S , Assistant Professor

Mr.SREEKESH K P , S8 ECE

Mr.ESWAR ARAVIND , S6 ECE

Mr.AJMAL AL HAMEED , S6 ECE



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