

# MARIAN MOMENTS

Newsletter of Marian Engineering College, Kazhakuttom



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## VISION OF THE INSTITUTE

To be an institution offering quality technical education and promoting research with strong ethical values for public good

## MISSION OF THE INSTITUTE

To mould the young men and women into technologically up to date, socially conscious and morally sound individuals by providing an inspiring environment of learning for the welfare of the society

LAUNCHING OF THE MARIAN SILVER JUBILEE BY THE HONOURABLE GOVERNOR OF KERALA, SHRI RAJENDRA VISHWANATH ARLEKAR.





INAUGURATION OF THE 'HAPPY DOPPU' AWARENESS CAMPAIGN BY MR.PANIL KUMAR , ACP, KAZHAKUTTOM

MESSAGE FROM  
THE PRINCIPAL  
THE MANAGER

As we release the January 2026 edition of our Quarterly Newsletter, which highlights the many activities carried out during October, November, and December 2025, I would like to share a few thoughts on a subject that is influencing every sector today — Artificial Intelligence in our daily life. Artificial Intelligence, or AI, is no longer a distant or complex concept meant only for computer experts. It has slowly become part of our everyday routine. The growth of AI over the years has been remarkable. In robotics, AI enables machines to perform delicate and complex tasks with great precision. In the medical field, it assists doctors in diagnosis, scanning, robotic surgeries, and patient monitoring. In manufacturing, AI helps create smart factories with better quality control and reduced wastage. In transportation, it improves traffic management and vehicle safety. In finance, it strengthens digital security and enables faster transactions.

Though AI is often associated with Computer Science, its relevance goes far beyond a single branch of engineering. Mechanical Engineering connects with AI through robotics, automation, and smart machines. Electronics and Communication Engineering contributes through sensors, embedded systems, and intelligent devices. Electrical Engineering supports smart grids and energy management systems. Civil Engineering benefits from AI in structural monitoring, traffic analysis, and urban planning. Management studies use AI for data-driven decision-making and financial forecasting. In one way or another, every branch of engineering today intersects with AI.



As part of our Silver Jubilee celebrations, Marian Engineering College is organizing an AI Conclave in January, bringing together experts from engineering, healthcare, and industry. This event aims to provide a broader understanding of how AI is transforming various fields and how different disciplines can work together in this new technological era.

I sincerely appreciate the efforts of the editorial team in compiling this newsletter and thank all faculty and staff members for their dedicated work in organizing the many academic and co-curricular activities of the past quarter.

Let us continue to move forward with openness to new ideas, collaboration across disciplines, and a commitment to using technology for the greater good.

Wishing everyone a happy, peaceful, and successful New Year 2026.

Best regards,

Manager

Artificial Intelligence (AI) is increasingly influencing daily human life, from communication and employment to healthcare, education, and social interactions. While AI offers convenience and efficiency, its growing presence raises profound ethical questions that directly affect individuals and society. One of the most serious concerns is loss of human agency. As AI systems make recommendations and decisions, people may gradually rely on machines for judgment, reducing critical thinking and personal responsibility. Bias and discrimination embedded in algorithms can lead to unfair treatment in hiring, lending, policing, and access to opportunities, reinforcing existing social inequalities. Privacy erosion is another major ethical issue. Continuous data collection for AI-driven services can result in excessive surveillance, threatening individual freedom and dignity. Closely related is the rise of deep-fakes and manipulated content, which can distort reality, damage reputations, and undermine trust in information and human relationships.



AI-driven automation also raises ethical questions about work and dignity. While productivity may increase, large sections of society may face job insecurity, widening economic inequality and social stress. In human interactions, overuse of AI companions and virtual assistants could reduce empathy, weaken social bonds, and alter how people relate to one another. Additionally, the lack of transparency and accountability in complex AI systems makes it difficult to assign responsibility when harm occurs. Ethical concerns also extend to environmental sustainability due to the high energy consumption of large AI models. Addressing these challenges requires ethical design, strong regulation, and human-centered values. As AI shapes the future, protecting human dignity, fairness, and trust must remain central to technological progress.

Best regards,

Dr. Abdul Nizar M  
Principal

## MARIAN SILVER JUBILEE CELEBRATIONS

The year 2026 marks a significant milestone in the journey of Marian Engineering College as it completes 25 years of academic excellence, innovation, and service to society. Established in 2001, Marian has evolved into a vibrant hub of technical education, research, and entrepreneurship, nurturing generations of professionals and leaders. The Silver Jubilee Celebrations are envisioned as a year-long programme culminating in June 2026, featuring a series of academic, cultural, alumni, and outreach initiatives. These celebrations honour the institution's legacy while reaffirming Marian's commitment to excellence, innovation, and societal impact as it strides confidently into its next phase of growth.

### SILVER JUBILEE LOGO LAUNCH CEREMONY



### INAUGURATION OF MARIAN SILVER JUBILEE CELEBRATIONS



The Marian Silver Jubilee Celebrations were formally inaugurated on 18th November 2025 by the Honourable Governor of Kerala, Shri Rajendra Vishwanath Arlekar. The inaugural ceremony was held in the august presence of Most Rev. Dr. M. Soosaipakkiam, Founder Patron of Marian Engineering College, and Most Rev. Dr. Thomas J. Netto, Archbishop of Trivandrum Latin Archdiocese and patron of Marian Engineering College.

Also present on the occasion were Rev. Fr. (Dr.) A. R. John, Manager, Marian Engineering College; Mr. Jim Carvin Roach, Bursar; and Dr. Abdul Nizar M., Principal, Marian Engineering College. During the



event, the one-year-long Silver Jubilee programme schedule and the Silver Jubilee Vision of Marian Engineering College were formally unveiled, marking the beginning of a year of academic, cultural, and outreach initiatives culminating in June 2026.

**IEEE INTERNATIONAL CONFERENCE ON SMART AND INTELLIGENT SYSTEMS**



As part of the Marian Silver Jubilee Celebrations, the Department of Computer Science and Engineering organized an IEEE International Conference on Smart and Intelligent Systems on 19th October 2025 and 20<sup>th</sup> October 2025. The conference provided an international platform for academicians, researchers, and industry professionals to present and discuss emerging trends, research findings, and innovations in smart and intelligent technologies, reflecting Marian Engineering College’s strong focus on research, innovation, and global academic engagement. A total of 85 papers were selected out of 585 registered papers

**Dr. Shreelekshmi R, Dr. Sheeja Agustin & Dr.Anusha B** served as reviewer for IEEE International Conference (SISCON 2025) organized on the topic of Smart and Intelligent Systems on December 19th and 20th at Marian Engineering College and they also served as session chair and session co-chair of SISCON 2025. Prof.,Dhanya L also served as co-chair of SISCON 2025.

**Prof., Reeja S L, Prof.,Swapna H & Prof., Renetha J B** served as reviewer for International Conference on Sustainable Technologies and Sciences for a Better Future conducted by LBS Institute of Science & Technolgy, Poojappura

**NATIONAL CONFERENCE ON RECENT TRENDS IN HUMANITARIAN TECHNOLOGY**



As part of the Marian Silver Jubilee Celebrations, the Department of Electronics and Communication Engineering organized a National Conference on Recent Trends in Humanitarian Technology on 31st October 2025. The conference brought together academicians, researchers, and practitioners to discuss technology-driven solutions addressing societal and humanitarian challenges.

**M-POWER  
MBA DEPARTMENT ASSOCIATION**



The MBA Department Association of Marian Business School was formally inaugurated under the title “**M-POWER: Marian Professionals of Wisdom, Excellence & Responsibility,**” marking a significant milestone in fostering holistic management education. The association aims to



facilitate strong industry–academia collaboration by building meaningful relationships with corporate organizations, industry experts, and professional bodies through guest lectures, industrial visits, internships, and live projects. M-POWER also focuses on coordinating external academic and professional programs such as management development programs, seminars, workshops, and conferences in collaboration with academic and industry partners, thereby enhancing the school’s brand visibility. Another key objective is to enhance student exposure and networking by creating platforms for interaction with professionals, entrepreneurs, and alumni through networking events, intercollegiate fests, management conclaves, and competitions. The association further promotes

collaborative learning and knowledge exchange by encouraging cross-institutional and cross-industry collaborations that foster innovation and best practices in management education. Strengthening institutional outreach and social engagement remains central to M-POWER’s vision, with active participation in external forums, community development initiatives, and CSR-related programs. The M-POWER coordinator, **Ms. Saranya Sathyanesan**, proposed a series of impactful initiatives including Campus to Corporate, Magnum 1.0, Industry Interaction Program, and the Connect and Communicate Workshop, Management Conclaves, Tech Connect, and the Corporate Readiness Series, positioning M-POWER as a dynamic platform for nurturing competent, responsible, and industry-ready management professionals.

**INDIAN SOCIETY FOR TECHNICAL  
EDUCATION (ISTE) MARIAN  
ENGINEERING COLLEGE CHAPTER  
ISTE LECTURE SERIES**





The ISTE Chapter, Marian Engineering College, in association with Physical Education Department of MEC, has organized a two-day FDP on “*Lifestyle Management*” on 10<sup>th</sup> and 11<sup>th</sup> November 2025. The resource person was Mr. Hiran Mohan, AP-Physical Education Department. This FDP was designed to empower educators with the knowledge and skills necessary to adopt and promote a balanced, healthy lifestyle. The program focused on stress management, time management, physical activity, nutrition, and mindfulness, enabling faculty members to enhance their own well-being and serve as role models for their students. On day 2 an industrial visit to HYVE company, KINFRA park, Menamkulam, was done.

ISTE has organised a *Lecture Series* for each Department during November month. Certificates are provided for the faculties who conducted the lectures. A minimum of three faculties from each department took the lectures.

### FDP ON LIFESTYLE MANAGEMENT SESSION

### ISTE GAVI TRIP

ISTE MEC Chapter planned a pleasure short trip to Gavi Ecotourism on January 10, 2026 which was accompanied by 33 faculty members and their beloved families. The trip was very well organised and co-ordinated by Dr. Samson A and Dr. Rani V.



## REPORT ON ISTE STUDENT CHAPTER INAUGURATION 2025–2026

The ISTE student chapter Inauguration for the academic year **2025–2026** was conducted on the **7<sup>th</sup> October 2025**, successfully with the presence of faculty members and students.

The program began with a welcome address by **Janaki Nair, Chairperson of the ISTE Student Branch**. She expressed her gratitude and shared the vision of ISTE for the new academic year, focusing on technical development, innovation, research, and student growth. She also welcomed the dignitaries, faculty members, ISTE members, and students.

**Dr. Samson A, Dean and Chairman of the ISTE Faculty Chapter**, addressed the gathering and encouraged students to actively participate in ISTE activities for their academic and professional development.

This was followed by an address by **Prof., Vinitha B Elza, HOD of the Electronics and Communication Engineering Department and Chairman of the ISTE Student Chapter**. She highlighted the importance of ISTE in shaping students' careers and motivated them to make the best use of the platform.

**Prof., Sreena V G** then addressed the students, motivating them to participate more actively and recalling the events conducted last year.

**Adithi P Nair, Secretary of the ISTE Student Chapter**, introduced the new Executive Committee members for the year 2025–2026. **The Annual Report** was presented by Janaki Nair, summarizing the activities and achievements of the previous academic year. Finally, **Abram T P, Vice Chairperson of the ISTE Student Branch**, spoke about the efforts and activities of the previous year's Executive Committee. The program concluded with a **positive outlook and enthusiasm** for a successful ISTE year ahead.



**On 7-10-25, the ISTE Student Chapter hosted an inspiring session by the Corporate Trainer (Leadership and Organizational Development Consultant) Sangeetha Elizabeth Panicker on the theme "Engineer Your Impact". Her words of wisdom and experiences shared were truly motivating for our students. A big thank you to Sangeetha Mam for her valuable insights and to everyone who participated in making this event a success.**

## **INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTER(IEDC) CHATBOT BUILDING AND IDEATION WORKSHOP**

The Chatbot Building and Ideation Workshop was conducted on 18th September 2025 at the IEDC Hall, Marian Engineering College, organized by the Inspira Marian IEDC, CSE Department. The session began with an introduction by Dr. M. Manoj, IEDC Nodal Officer. The technical session on chatbot

development using Python was led by Ms. Manupriya Dhanush Vayalambrom from LBSITW, followed by an ideation and soft skills session conducted by Mr. Druvajith Kalita, a certified life skills trainer. The workshop provided hands-on technical exposure while fostering creativity, teamwork, and problem-solving skills among participants from the AI and CSE departments.



**STPI (Software Technology Park of India)**



A meeting with Shri. Ganesh Nayak, Director of the Software Technology Park of India (STPI), was held on 13th September 2025 to discuss the establishment of a Center of Entrepreneurship in collaboration with STPI. Representatives from Marian Engineering College participated in the discussion, which focused on potential areas of partnership, support mechanisms, and opportunities to strengthen the entrepreneurial ecosystem. The meeting marked an important step toward enhancing industry–institution collaboration.

**NOVATIA 2.0**

NOVATIA 2.0 was an innovation-oriented event conducted at Marian Engineering College as part of its 25th anniversary celebrations. Organized by the Innovation and Entrepreneurship Development Cell (IEDC), the event aimed to encourage school students to develop and present innovative ideas addressing real-world societal challenges. The

participants presented their ideas based on the following themes:

- Renewable Energy Solutions
- Smart Cities and Infrastructure
- Healthcare and Wellness Technology
- Environmental Conservation
- Assistive Technology for the Differently Abled

The following schools emerged as winners of NOVATIA 2.0:

- **First Prize:** Pallithura Higher Secondary School
- **Second Prize:** Chinmaya Vidyalaya, Attukal
- **Third Prize:** KTCT School, Attingal

The ideas presented were evaluated based on the relevance of the problem selected, societal impact, technical feasibility, implementation viability, and presentation skills. While working models were not mandatory, presentations supported with models were given additional weightage.



The event was graced by **Dr. K. C. Chandrasekharan**, CFO and Founder of Technopark, Thiruvananthapuram, as the Chief Guest. His presence and address inspired students to pursue innovation and entrepreneurship.

## NEW FACULTY INDUCTION PROGRAM



Marian family welcomed its newest faculty members of the December 2025 batch with a comprehensive induction program held on December 8, 2025.

The session was led by esteemed speakers:

- Rev. Fr. Dr. A.R. John, Manager
- Dr. Resmi D.S., Associate Professor, Civil Engineering
- Mr C.Suhurvardeen , Administrative Officer
- Prof., Minnu Jayan C, Assistant Professor, Electronics & Communication Engineering
- Prof., Vinitha B Elza, Head of Department, Electronics & Communication Engineering

The program aimed to familiarize new faculty with Marian's vision, mission, and academic culture, fostering a supportive environment for academic excellence.

## VISIT FROM CHINMAYA INSTITUTE OF MANAGEMENT AND TECHNOLOGY



## IQAC ACTIVITIES



**Expert Talk on ' Autonomy - Opportunities and Challenges' by Rev . Dr. Jose Kunnampuzha, Academic Director, Jyothi Engineering College Trissur organised by IQAC MEC on 26-11-2025 at 9.30 am. Venue - MBA Class room 2, Administrative Block**

## 'HARITHA KERALAM MISSION- NET ZERO CARBON EMISSION

As part of 'Haritha Keralam Mission- Net Zero Carbon Emission through the People,' inauguration of 'Pachathuruthu' is planned in our campus on 26.11.25 at 1.00 p.m. behind the canteen. Your presence will not only add joy but also foster a collective spirit of environmental stewardship. All are welcome!

As part of Haritha Keralam Mission- Net Zero Carbon Emission through the People, 'Tree sapling exchange function' was conducted at Marian Business School, Marian Educty on 24.10.25 at 10.00 a.m.



Ms. Anju from Haritha Keralam Mission joined the programme. Dr. Abdul Nizar, Principal, Marian

Engineering College, Dr. Samson, Dean, Marian Engineering College, Dr. Shibulal, HoD, Marian Business School, Dr. Sarada Gopalakrishnan, Head-Net Zero-Carbon Committee and Mr. Rahul R S, PRO, Marian Engineering College graced the occasion and shared a few words on the importance of the mission. Faculty members and students from Marian Business School, Faculty members from net zero Carbon committee, student volunteers from Bhumi Mithra Sena and NSS volunteers enthusiastically participated and exchanged the tree saplings!



**SOCIAL SERVICE ACTIVITIES**



Inauguration of Paper bag making unit, under Social Service Ministry, St. Sebastians Catholic Church, Balaramapuram. Sustainable Products and Practices Unit, Department of Mechanical Engineering fulfilling the Marian Vision .

An awareness class on plastic pollution combined with hands-on paper bag making training occurred on August 10, 2025, led by Prof. Ullas Innocent Raj, Associate Professor of Mechanical Engineering. The paper bag making unit was formally inaugurated on November 16, 2025, by Sri. M. Vincent, MLA from Kovalam constituency in Thiruvananthapuram, Kerala.

**NSS ACTIVITIES**



As part of the Silver Jubilee celebrations of Marian Engineering College, NSS Unit 345 organized a

large-scale humanitarian initiative titled “Sasneham Oru Oonu” under the Pothichor programme.

The initiative involved the collection, preparation, and distribution of homemade food packets. Approximately 1500 meals were distributed to bystanders, patients’ relatives, and individuals at hospital premises in Thiruvananthapuram. Volunteers actively participated in food collection, hygienic packaging, logistics coordination, and distribution.

The programme emphasized dignity, hygiene, and compassion while serving food, reinforcing the idea that service to humanity is a fundamental responsibility.

### ENERGY CELL WORKSHOP AT ENERGY MANAGEMENT CENTRE

NSS Unit 345 volunteers participated in a One-Day Workshop and Home Energy Audit Competition organized in association with the APJ Abdul Kalam Technological University

(APJAKTU) NSS Energy Cell, hosted at the Energy Management Centre (EMC), Thiruvananthapuram, in connection with National Energy Conservation Day 2025. The workshop included expert sessions on energy auditing techniques, identification of energy wastage, and methods to improve energy efficiency in residential settings. Volunteers gained practical knowledge that can be applied in daily life and community awareness programmes

### NSS CAMP

A Seven-Day Residential Camp was conducted from 26th December to 1st January at Pallithura Higher Secondary School as part of the NSS programme. The camp saw active participation from NSS volunteers of both second-year and third-year batches. Various activities such as ice-breaking sessions, community service programmes, cultural activities, and personality development sessions were organized. In addition, awareness classes on anti-narcotics and drug abuse were conducted, and also a career guidance session. The camp was successfully conducted and proved to be a meaningful and enriching experience for the volunteers, promoting social responsibility, awareness, and overall development.



### DIGITAL SURVEY

A digital survey was conducted on 30th September in the residential area of Fathimapuram, covering more than 60 households. The objective of the survey was to assess the awareness and usage of digital services such as Gmail, Google Pay, and other online platforms among residents. In addition, the survey aimed to identify households with children who may require educational support, enabling better planning for future digital literacy and educational assistance initiatives.



### PLASTIC BOTTLE COLLECTION AND LOTION MAKING

Plastic Bottle Collection and Lotion Making was conducted on 31st December as part of an NSS activity. Plastic bottles were collected from Pallithura Beach and from residential areas near Pallithura Higher Secondary School. The collected bottles were cleaned and reused for packaging the lotion prepared during the activity. The lotion was then sold in the surrounding areas, and the funds

generated from the sale will be utilized for future NSS funding and activities.



**PAINTING OF FLAG HOISTING AREA**

The flag hoisting area of Pallithura Higher Secondary School was painted by NSS volunteers as part of a cleanliness and maintenance activity. The area had become dusty and worn over

time, and the painting work was carried out to improve its appearance and restore it to a neat and presentable condition. The activity contributed to enhancing the school environment and maintaining the dignity of the flag hoisting space.

**MEDICAL CAMP**



A Medical Camp was organized at the Fatimapuram Church Community Hall as part of an NSS initiative. Prior to the camp, NSS volunteers visited nearby households to inform residents about the camp and invite them to participate based on their availability. On the day of the camp as well, volunteers continued outreach by personally inviting community members. Qualified doctors were present to provide free medical check-ups, and free medicines were distributed to the needy. The camp aimed to promote health awareness and ensure basic medical support for the local community.

**CHRISTMAS CRIB MAKING AND CHRISTMAS DECORATION ACTIVITY**

As part of the Christmas celebrations, NSS Unit 345 organized a crib-making activity to promote creativity, teamwork, and cultural harmony among students. Volunteers collaboratively designed and constructed a traditional Christmas crib using creative and ecofriendly materials. The activity provided students with an opportunity to work together, share ideas, and express artistic skills while celebrating the cultural significance of Christmas. The programme helped create a festive atmosphere on campus and strengthened interpersonal relationships among volunteers.



### TREE SAPLING PLANTATION

In observance of environmental responsibility and sustainable development, NSS Unit 345 organized a tree sapling plantation programme on 23rd October. NSS volunteers as well students and teachers from various departments actively participated in planting saplings within the college campus and surrounding areas. The programme focused on the significance of trees in maintaining ecological balance, improving air quality, conserving biodiversity, and mitigating the effects of climate change. Volunteers were guided on proper planting techniques and post-plantation care to ensure healthy growth of the saplings.



### ORIENTATION ON PALLIATIVE CARE



An orientation programme on palliative care was organized by NSS Unit 345 with the aim of sensitizing students to compassionate healthcare and community-based support systems for individuals suffering from chronic and life-limiting



illnesses. The session was led by **Mr. Shijo Kurian Thomas**, Community Social Officer from Pallium India, a nationally recognized organization in the field of palliative care. The speaker elaborated on the principles of palliative care, including pain management, emotional support, dignity in treatment, and holistic care for patients and their families.



### ANTI NARCOTICS CLUB EVENTS

The “Happy Dopu” awareness campaign, jointly organized by Malayala Manorama and Federal Bank as part of their CSR initiative, was successfully inaugurated at Marian Engineering College on October 9 at 10:30 a.m. The event aimed to create awareness among students and the public about the growing menace of substance abuse and the importance of collective efforts to prevent it.



### IEEE events

A Quiz Competition for First Year students was held on 7th October 2025 in Benzigar Hall from 1:00 p.m. to 1:30 p.m. The event was organized by the IEEE PES Chapter of Marian Engineering College as part of the statewide program initiated by the IEEE PES Kerala Chapter. About 65 students participated in the event. The winners of this

competition will represent the college in the district-level round of the event.



**IEEE INTERNATIONAL CONFERENCE (SISCON 2025)**



As part of the Silver Jubilee celebrations, the **IEEE International Conference (SISCON 2025)** organized on the topic of **Smart and Intelligent Systems** on December 19th and 20th at the college campus was inaugurated by **Kerala State IT Mission Director Shri Sandeep Kumar IAS**, **Archbishop Rev. Dr Thomas J Netto**, **Manager Rev. Dr. A R John**, **Principal Dr. Abdul Nizar M**, **IEEE Kerala Section Representative Dr. Deepak Mishra**, **Dean Dr. Samson**, **Rev. Father Jim Carvin**, **Organizing Secretary Dr. Shreelekshmi**

**R were present at the inaugural ceremony. Dr. Lizzy Kurian John, University of Texas, Austin, and Dr. Vivek Balachandran, Singapore Institute of Technology delivered keynote speeches on the topics of Nano Machine Learning and Quantum Computing for Code Security.** A total of 587 papers were received from prestigious institutions, including NITs, IITs, and foreign universities. After a rigorous multi-level peer review process involving 216 reviewers, 85 papers were selected for presentation. Representatives from various countries presented about 85 research papers on scientific and technological topics.

**μLEARN ACTIVITIES**



The Keyboard Mastery program was conducted from 1st October 2025 as a 30-day online initiative, organized by μLearn MCE in collaboration with Inspira IEDC. The program aimed to enhance students’ typing speed, accuracy, and productivity, attracting over 100 participants from various departments, ensuring inclusivity and healthy competition.

Christmas Courtroom was conducted from 1st January 2025 as a 4-day online mock courtroom and



investigation-based event, organized by  $\mu$ Learn MCE. The event was designed to strengthen participants' critical thinking, communication, and analytical skills through a multi-round investigative format. A total of 15 participants took part in team-based participation, with three teams from Marian Engineering College and one team from the College of Engineering, Pathanapuram.

Prompt-a-Palooza was conducted from 27th



December 2024 to 3rd January 2025 as an online AI prompt art competition organized by  $\mu$ Learn MCE. The event aimed to enhance students' creativity and understanding of prompt engineering by encouraging them to generate Christmas-themed AI artwork using well-crafted prompts. A total of 34 participants took part in the competition, submitting their AI-generated artwork along with the prompts used through the MakeMyPass platform.

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### SMART INDIA HACKATHON (SIH 2025)



The College Level Internal Hackathon is conducted on 25th September 2025 from 9:00 AM to 7:30 PM at Benziger Hall. A total of 25 teams participated in the event and It's evaluation done with two panel of judges including external and internal members on 26th September 2026. A total of 16 teams were selected and applied for SIH 2025

### FDP Organized

The Department of Computer Science and Engineering, Marian Engineering College, successfully organized five-day online Faculty Development Programme (FDP) on **Soft Computing** from 1-12-2025 to 5-12-2025 . The programme aimed to enhance participants' understanding of emerging soft computing techniques and their applications in solving complex real-world problems. The FDP covered key topics such as the **Introduction to soft computing, Basics of Artificial Neural Networks, Fuzzy logic and its operations including Fuzzification and Defuzzification, Evolutionary Computing, Genetic Algorithms and Multi-objective optimization problems.** The sessions were well aligned with the **2024 S4 CSE KTU syllabus**, making them highly relevant for faculty members. The sessions were handled by Ms. Beena Lawrence , Research Scholar, University of Kerala, Dr.Sheeja Agustin , Prof., Reeja S L, Prof.,Swapna H and Dr.Anusha B of Marian Engineering College. The FDP was Co-ordinated by Dr.Sheeja Agustin and Prof., Reeja S L.



## STUDENTS ACHIEVEMENTS



**Anagha D S of S1R1, secured two Silver Medals in Kumite at the District Karate Championship, which was held on 27th and 28th December 2025.**



**Sreehari S J of S4R1 (2024 - 28 R1 batch) is titled as " IBR ACHIEVER " By INDIAN BOOK OF RECORDS for creating an Artificial Intelligence system to that extracts and decodes human gesture information from Wi-Fi signal propagation and channel variations, without the use of cameras or physical sensors, with a measured performance accuracy of 90.2%.**



**Aditi Ghosh of S6R1 got her poetry published in the anthology Purple Nights by Writer's Pocket**

## STAFF ACHIEVEMENTS

### BEST PAPER AWARD



**Prof., Swapna H** received a best paper award for the paper entitled "Multimodal Fake News Detection Using OCR and Image Captioning with Semantic Similarity Assessment" in the IEEE International Conference on Data science and Network Computing hosted by National Institute of Technology, Raipur, Chattisgarh.

- Mr.Samuel Maju , Mr.Aby Thomas and Mr.Sangeeth Siva (2025 Mechanical pass out minor students) and Prof., Keerthi Krishnan** presented a Research Article titled "Enhancing Aerodynamic Prediction of Airfoils Using Advanced Machine Learning Models" and received the Best Paper Award in the Advanced Computing Session under Machine Learning track in IEEE

international conference on Smart and Intelligent Systems (SISCON 2025) organized by Marian Engineering College, Trivandrum on 19th and 20th December 2025



**Prof.,Keerthi Krishnan** submitted phd thesis titled " An Intelligent Research Support System For Research Area Identification and Scientific Article Summarization" in Anna University Chennai on 18th December 2025.



**Dr. Shreelekshmi R** got an appreciation by Dr Bindu, Higher education minister for being a patent holder from College of Engineering , Trivandrum.

## RESOURCE PERSONS

**Prof., Keerthi Krishnan** presented a seminar titled "A Hybrid Research Support System for Novice Researchers" in the department of CSE, Anna University, Chennai on 10th December 2025.

**Dr.Sheeja Agustin, Prof., Reeja S L, Prof.,Swapna H and Dr.Anusha B** were the resource persons for the FDP on Soft Computing conducted by Department of Computer Science & Engineering , Marian Engineering College from 1-12-2025 to 5-12-2025.

## ASSOCIATION PROGRAMMES

MACS organised a talk on "Smart Career Mapping" in association with Simple Logic Solutions Pvt. Ltd and CGP career Avenues for first year students on October.

## TECHNICAL TALK

**Dr. Philomina Simon of Department of Computer Science, University of Kerala**

delivered a talk on “Strengthening Research Skills to Enhance Scholarly Productivity on 27-11-2025.

### CONCLAVE



**Prof.,Keerthi Krishnan and Prof.,Rojitha Abdulla** attended a one-day conclave “Recode kerala - VISION 2031” shaping the future of Kerala's IT Industry organized by ICTAK and various kerala IT industries at kinfra International convention centre, Infopark, Kochi on 28th October 2025.



**Dr. Sindhu Chandra Sekharan has published the following research papers between October 2025 to December 2025**

1. MCALHA: Multimodal Conversational AI for Lung Health Assessment. In: Tuba, M., Akashe, S., Joshi, A. (eds) ICT Systems and Sustainability. ICT4SD 2025. Lecture Notes in Networks and Systems, vol 1645. Springer, Cham. [https://doi.org/10.1007/978-3-032-06662-6\\_21](https://doi.org/10.1007/978-3-032-06662-6_21).

2. APTSum: AI-Powered Timestamp Based Summarization. In: Tuba, M., Akashe, S., Joshi, A. (eds) ICT Systems and Sustainability. ICT4SD 2025. Lecture Notes in Networks and Systems, vol 1645. Springer, Cham. [https://doi.org/10.1007/978-3-032-06662-6\\_23](https://doi.org/10.1007/978-3-032-06662-6_23).

3. Vastra Kalpana: AI-Driven Generative Model for Saree Design Creation. In: Tuba, M., Akashe, S., Joshi, A. (eds) ICT Systems and Sustainability. ICT4SD 2025. Lecture Notes in Networks and Systems, vol 1647. Springer, Cham. [https://doi.org/10.1007/978-3-032-06668-8\\_18](https://doi.org/10.1007/978-3-032-06668-8_18).

4. Experimental Implementation of Combustion Ignition Metrics Using Machine Learning Algorithms. In: Swaroop, A., Kansal, V., Hassanien, A.E. (eds) Proceedings of Sixth Doctoral Symposium on Computational Intelligence. DoSCI 2025. Lecture Notes in Networks and Systems, vol 1496. Springer, Singapore. [https://doi.org/10.1007/978-981-96-8107-5\\_20](https://doi.org/10.1007/978-981-96-8107-5_20).

5. SortIT: Sorting Images Based on Similarity Using Vision Transformers. In: Swaroop, A., Kansal, V., Hassanien, A.E. (eds) Proceedings of Sixth Doctoral Symposium on Computational Intelligence. DoSCI 2025. Lecture Notes in Networks and Systems, vol 1496. Springer, Singapore. [https://doi.org/10.1007/978-981-96-8107-5\\_30](https://doi.org/10.1007/978-981-96-8107-5_30)

### FDP ATTENDED

**Prof., Renetha J B** participated in one day FDP on “Redefining teaching strategies on 30-10-2025 organised by Lourdes Matha College of Science and Technology Trivandrum and she also participated in three days FDP on "Industrial transformation through blockchain, smart manufacturing, electrical energy trading and sustainable development organized by Mohandas college of Engineering and Technology from 17-11-2025 to 19-11-2025.

**Dr. Sheeja Agustin ,Prof., Keerthi Krishnan, Prof.,Reeja S L, Prof.,Sunitha S, Prof.,Renetha J B, Prof., Binsi P & Prof., Rashmi M** has actively participated in FDP on “Next Generation Ai:Exploringg The Power Of NLP, Computer Vision And Generative Models “ organized by the Department of Computer Science and Engineering, Vimal Jyothi Engineering College on 10-11-2025 to 15-11-2025.

**Prof., Keerthi Krishnan, Prof., Reeja S L, Prof., Nitha L R, Prof., Nisha J R, Prof., Renetha J B and Prof., Binsi P** attended two days ISTE FDP on “Lifestyle management” on 10-11-2025 & 11-11-2025 at Marian Engineering College.

**Prof.,Revathi B R** has participated in the three day online faculty development programme on “Intelligent NLP & Vision Systems” organized by Department of Computer Science & Engineering,Muslim Association College of Engineering from 24-11-2025 to 26-11-2025.

**Prof.,Keerthi Krishnan, Prof., Aiswarya I P and Prof.,Harsha** has participated in the five-day

faculty development program on “Modern Computing & Intelligent Systems” organized by the Department of Computer Science & Engineering in association with the Institution’s Innovation Council, held from 25-11-2025 to 29-11-2025 at Mahaguru Institute of Technology

**Prof., Aiswarya I P and Prof., Harsha** participated in the faculty development program on Exploring Generative AI:Models,Applications and Innovations” organized by the Department of Computer Science & Engineering, St.Thomas College for Science & Technology, Thiruvananthapuram, in collaboration with Tata Consultancy Services held from 24-11-2025 to 26-11-2025.

**Prof.,Rojitha Abdulla** participated in a faculty development program on “A Systematic Way of Research Paper Writing “ from 25-11-2025 to 29-11-2025 and she also attended a TPO meet which was arranged by Allianz Services for Engineering Colleges across Kerala on the 12th of November, 2025, to discuss on how to bridge gap between industry expectations and academic offerings, foster strategic partnerships for talent acquisition, and collaboratively develop a future-ready professional workforce.

**Prof., Sunitha S , Prof., Nitha L R, Prof., Binsi P ,Prof.,Dhanya L, Prof.,Revathi B R, Prof.,Rashmi M K, Prof.,Renetha J B, Prof., Sreekutty S Vinod, Prof., Diphonsa Uvansu U V and Prof., Jithin Aniyankunju** has attended the five day faculty development Program on Soft Computing, organized by Department of Computer Science & Engineering from 1-12-2025 to 5-12-2025.

**Prof.,Aswathy G S** participated in the faculty development program on “Demystifying Generative and Agentic AI” organized by Department of Computer Science & Engineering, S.A. Engineering College, Chennai from 1-12-2025 to 5-12-2025.

**Prof., Sunitha S and Prof., Dhanya L** participated in 5 day FDP on" Advances in LLMs: From Deep Learning to Generative AI" organized by Dept of Computer science and Engineering, College of Engineering, Muttathara from 15/12/2025 to 19/12/2025 and she also participated in five day FDP on Next Generation AI organized by KHSEC from 10/11/2025 to 15/11/2025.

**Prof., Mary Lisa** attended two day National Level FDP on Robotics and AI on 27-12-2025 & 28-12-2025 organized by Learnix Thrive.

**CHRISTMAS CELEBRATION**

The Department of Computer Science & Engineering celebrated Christmas in a joyful spirit on 17-12-2025. The programme began with a meaningful Christmas message delivered by the Head of the Department, highlighting the values of love, compassion, sharing, and unity that Christmas symbolizes.



Adding to the cheer of the occasion, a Christmas Friend gift exchange was conducted among the faculty members. The activity brought smiles, laughter, and a spirit of togetherness, making the celebration more engaging and memorable.

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**

**NEWLY JOINED FACULTIES**



**Jyotsna A**  
Assistant Professor  
Former:Assistant Professor at Rajagiri School Of Engineering and Technology



**Bhagya Lekshmi H R**  
Assistant Professor in Artificial Intelligence And Machine Learning

## STUDENT ACHIEVEMENTS

**Karthik B S**, of S8 AH Won 3rd prize in Mr.Trivandrum Junior body building competition under category 65/70kg.

**Roshan S Raj**, of S4 AH, volunteered IFFK'25

**M S Nandhan**, of S4 AH, secured 4th place in A-zone Cricket Tournament

## DEPARTMENT ACTIVITIES



Conducted ISTE Lecture Series taken by Dr.Aswothy S U, on the topic “Deep learning Approaches and its application

## FDP ATTENDED

**Prof.,Diana Walts**, attended a 3day FDP on “Intelligent NLP & vision systems” conducted by MACE.

**Prof.,Veena Ramachandran L**, attended a 3day FDP on “Industrial Transformation through Blockchain” in association with Kerala Blockchain Academy and Zonergio solution Pvt.Ltd organised by MCET.

**Dr. Aswothy S. U, Prof.,Aswothy T K, Prof .Aswothy A L, Prof.,Nisha Soman, Prof.,Neethu Akkarapatty, Prof.,Veena Ramachandran L, Prof.,Karthika Surendran, Prof.,Diana Walts** attended 5day ATAL FDP on Sustainable Urban Waste Management.

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### FDP ATTENDED

**Prof.,Valsa Basil**, attended 3 days FDP on “Industrial Transformation through Blockchain: Smart Manufacturing, Electrical Energy Trading, Sustainable development in AI and IOT” held from 17/11/2025 to 19/11/2025, organized by Department of Electrical and Electronics Engineering, Mohandas College of Engineering and Technology, in association with Kerala Blockchain Academy and Zonergia Solutions Pvt. Ltd.

**Prof.,Thanga Thamarai N.G.S**, attended 3 days FDP on “Industrial Transformation through Blockchain: Smart Manufacturing, Electrical Energy Trading, Sustainable development in AI and IOT” held from 17/11/2025 to 19/11/2025, organized by Department of Electrical and Electronics Engineering, Mohandas College of Engineering and Technology, in association with Kerala Blockchain Academy and Zonergia Solutions Pvt. Ltd.

**Prof.,Swathy Soman**, attended 3 days FDP on “Industrial Transformation through Blockchain: Smart Manufacturing, Electrical Energy Trading, Sustainable development in AI and IOT” held from 17/11/2025 to 19/11/2025, organized by Department of Electrical and Electronics Engineering, Mohandas College of Engineering and Technology, in association with Kerala Blockchain Academy and Zonergia Solutions Pvt. Ltd.

**Prof.,Rinu Joe B S**, attended 3 days FDP on “Agile Innovation, Design Thinking & Generative AI” held from 17/11/2025 to 19/11/2025, organized by IEDC & Department of Electrical and Electronics Engineering of Ahalia School of Engineering & Technology and NeST Digital Academy.

**Prof.,Rinu Joe B S**, attended 3 days FDP on “Industrial Transformation through Blockchain: Smart Manufacturing, Electrical Energy Trading, Sustainable development in AI and IOT” held from 17/11/2025 to 19/11/2025, organized by Department of Electrical and Electronics Engineering, Mohandas College of Engineering and Technology, in association with Kerala Blockchain Academy and Zonergia Solutions Pvt. Ltd.

**Prof.,Swathy Soman**, attended 3 days FDP on “Agile Innovation, Design Thinking & Generative AI” held from 17/11/2025 to 19/11/2025, organized by IEDC & Department of Electrical and Electronics Engineering of Ahalia School of Engineering & Technology and NeST Digital Academy.

**Prof.,Thanga Thamarai N.G.S**, attended 3 days FDP on “Agile Innovation, Design Thinking & Generative AI” held from 17/11/2025 to 19/11/2025, organized by IEDC & Department of Electrical and Electronics Engineering of Ahalia School of Engineering & Technology and NeST Digital Academy.

**Prof.,Geena Suresh**, attended 3 days FDP on “Industrial Transformation through Blockchain: Smart Manufacturing, Electrical Energy Trading, Sustainable development in AI and IOT” held from 17/11/2025 to 19/11/2025, organized by Department of Electrical and Electronics Engineering, Mohandas College of Engineering and Technology, in association with Kerala Blockchain Academy and Zonergeria Solutions Pvt. Ltd.

**Prof.,Deena Paul**, attended 3 days FDP on “Industrial Transformation through Blockchain: Smart Manufacturing, Electrical Energy Trading, Sustainable development in AI and IOT” held from 17/11/2025 to 19/11/2025, organized by Department of Electrical and Electronics Engineering, Mohandas College of Engineering and

Department of Electrical and Electronics Engineering, Mohandas College of Engineering and Technology, in association with Kerala Blockchain Academy and Zonergeria Solutions Pvt. Ltd.

**Prof.,Deena Paul**, attended 6 days FDP on “ E-Mobility and Prospects of Green Hydrogen” held from 08/12/2025 to 13/12/2025, organized by Department of Electrical and Electronics Engineering, MITS, Kochi.

**Prof.,Geena Suresh** attended 2 days FDP on “ Lifestyle Management” , organized by ISTE chapter, MEC, held from 10/11/2025 to 11/11/2025.

### LECTURE SERIES

**Prof.,Geena Suresh** has presented a topic titled “ Power Quality improvement in distribution” in the lecture series-2025, conducted by the ISTE chapter of MEC as part of the Silver Jubilee Celebrations of the Institution.

### MOU SIGNED

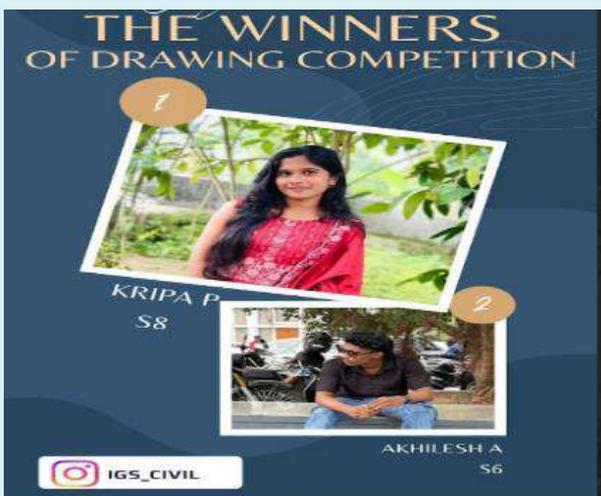
Department of Electrical and Electronics Engineering signed an MoU between M/s TNEI Services India Pvt Ltd on 20/11/2025. By this



agreement TNEI shared their iPSA software to the EEE Department, free of cost for one year. It can be utilised for doing extensive simulation studies both for students and faculty.

### DEPARTMENT OF CIVIL ENGINEERING

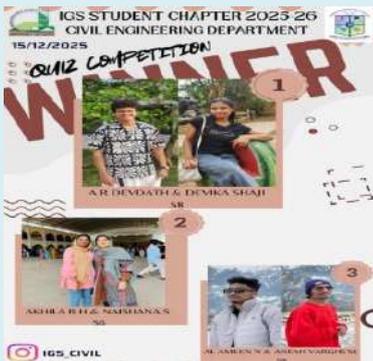
The IGS Student Chapter of Marian Engineering College successfully organized a Drawing Competition on December 5, 2025, on occasion of World Soil Day to raise awareness among Civil Engineering students about the importance of soil conservation and sustainable land use, with Kripa P.



Technology, in association with Kerala Blockchain Academy and Zonergeria Solutions Pvt. Ltd.

**Prof.,A.G Devu**, attended 3 days FDP on “Industrial Transformation through Blockchain: Smart Manufacturing, Electrical Energy Trading, Sustainable development in AI and IOT” held from 17/11/2025 to 19/11/2025, organized by

(S8) securing First Prize, and Akhilesh A (S6) sharing Second Place.



As part of the Human Rights Day, the IGS Student Chapter of the Department of Civil Engineering, Marian Engineering College successfully organized a quiz competition for Civil Engineering students

and A R Devdath & Devika Shaji (S8) bagged first prize, Akhila R H and Naishana S S (S6) secured second prize and Al Ameen N and Anesh Varghese (S8) secured third prize.

**DEPARTMENT ASSOCIATION PROGRAMS**



On 12th December 2025, Marian Engineering College, in association with AMETOS, successfully conducted Engineering Tech Talk on Modern survey technology, Mr. Remesh G., senior consultant at V institute delivered an insightful and informative session on advanced surveying tools, emerging methodology, and drone based applications

The Civil Engineering Association – AMETOS organized an Industrial Visit for S8 students on December 12, 2025. The visit to PREFAB construction at Technopark provided students with practical exposure to construction methods, real-time site practices, and project management



**FACULTY ACHIEVEMENTS**

**Dr Rani.V.**, Head of Department handled a technical session on the topic Disaster Resilient structures -An overview for future designing organised by ISTE MEC chapter on December 9,2025.

**Dr Rani V.**, Head of Department delivered a talk in a technical session on the topic The role of soil investigation for infrastructure projects organised by ICEC Trivandrum Chapter at Mannam memorial national on December 27,2025.

**Prof., Sanobiya B S**, Assistant Professor organized and participated in 2 day FDP on “Life style management” organized by ISTE at MarianEngineering college from 10<sup>th</sup> to 11<sup>th</sup> November 2025

**Dr.Rani V**, Head of Department participated in 2 day FDP on “Life style management” organized by ISTE at MarianEngineering college from 10<sup>th</sup> to 11<sup>th</sup> November 2025

**Dr.Reshmy D.S.**, Associate Professor participated in 2 day FDP on “Life style management” organized by ISTE at Marian Engineering college from 10<sup>th</sup> to 11<sup>th</sup> November 2025

**Prof., Tara Leander**, Assistant Professor participated in 2 day FDP on “Life style management” organized by ISTE at Marian Engineering college from 10<sup>th</sup> to 11<sup>th</sup> November 2025

**Prof., Aswathy Sasikumar**, Assistant Professor participated in 2 day FDP on “Life style management” organized by ISTE at Marian Engineering college from 10<sup>th</sup> to 11<sup>th</sup> November 2025

**Prof., Revathy V.S.**, Assistant Professor participated in 2 day FDP on “Life style

management” organized by ISTE at Marian Engineering college from 10<sup>th</sup> to 11<sup>th</sup> November 2025

**Dr.Reshmy D.S,** Associate Professor has successfully organised AICTE Training And Learning (ATAL) Academy Faculty Development Program on Sustainable Urban Waste Management: Combining Centralized, Decentralized Systems with AI Innovation at MARIAN ENGINEERING COLLEGE from 24/11/2025 to 29/11/2025.

**Prof., Sanobiya B S,** Assistant Professor has successfully organised & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Sustainable Urban Waste Management: Combining Centralized, Decentralized Systems with AI Innovation at MARIAN ENGINEERING COLLEGE from 24/11/2025 to 29/11/2025.

**Dr.Rani V,** Head of Department of Civil Engineering, of MARIAN ENGINEERING COLLEGE has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Sustainable Urban Waste Management: Combining Centralized, Decentralized Systems with AI Innovation at MARIAN ENGINEERING COLLEGE from 24/11/2025 to 29/11/2025.

**Prof., Renju C.M.,** Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Sustainable Urban Waste Management: Combining Centralized, Decentralized Systems with AI Innovation at MARIAN ENGINEERING COLLEGE from 24/11/2025 to 29/11/2025.

**Prof., Asha Davood Z.,** Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Sustainable Urban Waste Management: Combining Centralized, Decentralized Systems with AI Innovation at MARIAN ENGINEERING COLLEGE from 24/11/2025 to 29/11/2025.

**Prof., Greeshma T.** Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Sustainable Urban Waste Management: Combining Centralized, Decentralized Systems with AI Innovation at

MARIAN ENGINEERING COLLEGE from 24/11/2025 to 29/11/2025.

**Prof.,Tara Leander,** Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Sustainable Urban Waste Management: Combining Centralized, Decentralized Systems with AI Innovation at MARIAN ENGINEERING COLLEGE from 24/11/2025 to 29/11/2025.

**Prof., Aswathy Sasikumar,** Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Sustainable Urban Waste Management: Combining Centralized, Decentralized Systems with AI Innovation at MARIAN ENGINEERING COLLEGE from 24/11/2025 to 29/11/2025.

**Prof., Kannan K.,** Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Sustainable Urban Waste Management: Combining Centralized, Decentralized Systems with AI Innovation at MARIAN ENGINEERING COLLEGE from 24/11/2025 to 29/11/2025.

**Prof., Revathy V.S,** Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Sustainable Urban Waste Management: Combining Centralized, Decentralized Systems with AI Innovation at MARIAN ENGINEERING COLLEGE from 24/11/2025 to 29/11/2025.

**Prof., Karuna P.** Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Sustainable Urban Waste Management: Combining Centralized, Decentralized Systems with AI Innovation at MARIAN ENGINEERING COLLEGE from 24/11/2025 to 29/11/2025.

**Prof.,Renju C.M.** Assistant Professor participated in a Six-Day Faculty Development Programme (FDP) titled “Civil Engineering 5.0: Integrating Sustainability, Intelligence, and Innovation,” held from November 17 to 22, 2025, Department of Civil Engineering, Atria Institute of Technology, Bengaluru.

**Prof.,Renju C.M**, Assistant Professor published a paper on Durability Properties of Ambient Cured Geopolymer Concrete with Copper Slag as Partial Replacement of Fine Aggregate published in Lecture series of Civil Engineering, Springer as part of Proceedings of International Conference on Advances in Materials, Modeling, and Analysis for Sustainable and Resilient Infrastructure Volume 1 DOI <https://doi.org/10.1007/978-981-95-0229-5> eBook ISBN 978-981-95-0229-5 on 20 November 2025.

**Prof.,Renju C.M**, Assistant Professor published a paper on Analysis of Safety Risks and Injury Reductions Strategies in the paper Manufacturing industry: A Comprehensive Study Using Fault Tree Analysis Published in International Journal of Environmental Science (ISSN: 2229-7359) Vol 11 no 23Q4 Scopus Indexed.

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION/COMPUTER ENGINEERING**

**GREETINGS TO OUR NEW FACULTY MEMBERS**



**Dr. R. Radeep Krishna**  
Associate Professor  
Former: Associate Professor, Mangalam College of Engineering.



**Ajana J.**  
Assistant Professor  
Former: Project Engineer,C-DAC, Tvm.



**Vidyaraj K.**  
Assistant professor  
Former: Govt. College of Engineering Kannur

**DEPARTMENT ACTIVITIES**

**NATIONAL CONFERENCE ON RECENT TRENDS IN HUMANITARIAN TECHNOLOGY**



NATIONAL CONFERENCE on Recent Trends in Humanitarian Technology , hosted by the Department of Electronics in collaboration with National Institute of Speech and Hearing

Inaugural Ceremony of National Conference on Recent Trends in Humanitarian Technology on 30th October at 10.00 am.The Chief Guests were IEEE Kerala Section Chair and IIST Dean Dr.Manoj B.S and Dr.Suja Kunnath, Executive Director,NISH.



Pre-conference Hands-on Workshop to Empower Assistive Technology Tools' by the resource persons from National Institute of Speech and Hearing, **Amith G Nair** (Hardware Engineer/Electronics lecturer), **Deepu Raj**(Senior Engineer CATI) and **Muhammed Janish**( Project Research Scientist).Plenary Session by **Dr.Pradeep R** on Inclusive Assistive Technology, followed by Offline Paper Presentations during the forenoon



Resource Person - Hema S Mahesh  
 Topic : Unveiling the Unseen: An Introduction to Optical Coherence Tomography ( OCT)  
 Date : 26-11-25 , 12.45 - 1:45pm



Resource Person: Sreena V .G  
 Topic: Advancements in Ensemble Strategies for Lung Disease Segmentation and Detection using Deep Learning  
 Date : 28-11-25, 3.00 to 4.00 pm

Plenary Session by Mr.Amith Nair, followed by Online Paper Presentations during the afternoon.

The Valedictory Function of NCRTHT '25 on 31st October at 3.00 pm



Resource Person: Vinitha B Elza  
 Topic: Emerging Third Generation Solar Cells  
 Date : 25-11-25 , 11.30 to 12.30 pm

**THE DEPARTMENT OF ELECTRONICS -  
 ISTE LECTURE SERIES**

## ELECTRONICS ASSOCIATION ACTIVITIES



### UNLOCKING CAREERS IN BANK & SSC

**SYNOPSIS:** The Marian Electronics Association organized a career guidance program titled “Unlocking Careers in Bank & SSC” with the objective of creating awareness among students about career opportunities in the Banking and Staff Selection Commission (SSC) sectors.

The career guidance session was organized by the Marian Electronics Association for S6 EC & ES students, in collaboration with Veranda RACE, a reputed training institute for Bank and SSC examinations. The program was designed to provide students with a clear understanding of government sector careers and to motivate them to pursue competitive examinations.

The session began with a brief introduction about the importance of careers in the Banking and SSC sectors, highlighting job security, career growth, and social recognition associated with government jobs. The resource persons delivered an informative session covering various aspects of Bank and SSC careers. The discussion included:

- Different job posts available in Banking and SSC sectors.
- Eligibility criteria and recruitment process.
- Salary structure, promotions, and career growth opportunities. An interactive discussion followed, where the speakers explained:

To enhance student engagement, a quiz-like session was conducted. This activity helped students familiarize themselves with real exam-oriented questions, understand the exam environment, assess their basic aptitude and reasoning skills. Students actively interacted with the speakers by asking questions related to preparation methods, syllabus planning, and exam strategies. The session was highly informative and beneficial. It:

- Motivated students to consider Banking and SSC careers.

- Provided a clear roadmap for competitive exam preparation.

## FDP PARTICIPATIONS

**Dr. M.Manoj** (Prof.,ECE) has participated in the Refresher Course on Cutting Edge Innovations in Wearable Technology Devices, conducted by IIITDM, Kanchipuram from 8-12-2025 to 19-12-2025.

**Prof.,Vinitha B Elza** (Asso.Prof, ECE) participated in the 6-days ATAL FDP on Frontiers in Semiconductors and Functional Materials, organized by Raajdhani Engineering College from 15/12/25 to 20/12/25.

**Prof.,Minnu Jayan C.**(AP,ECE), Ms. Mary Sunitha.(AP,ECE), Ms.Simi M.S (AP,ECE) , Ms. Preetha S.L (AP,ES),Ms. Nurul Hidayah (AP, ES) and Ms. Hema S. Mahesh (AP,ES) participated in the 6-days FDP on Expanding Horizon : AI in technology applications organized by Dept. of ECE, Bishop Jerome Institute, Kollam from 03/11/25 to 08/11/25.

**Prof., Dhanya Mathew** (AP,ECE), **Prof., Ann Mathew**(AP,ES), **Prof., Lorinda E** (AP,ES) and **Prof., Evan Kumar G** (AP,ECE) participated in the 6-days FDP on Sustainable Urban Waste Management: Combining Centralized, Decentralized Systems with AI Innovation at MARIAN ENGINEERING COLLEGE from 24/11/2025 to 29/11/2025.

**Prof., Evan Kumar G** (AP,ECE), participated in the 5-days FDP on Next-Gen AI : From Deep Learning and Transformers to Responsible AI, conducted at Amal Jyothi College of Engineering ,Kanjirapally from 24/11/2025 to 28/11/2025

**Prof.,Sreena V. G.** (AP,ECE), **Prof., Dhanya Mathew** (AP,ECE) and **Prof., Ann Mathew**(AP,ECE) attended 'NATIONAL FDP ON Exploring Generative AI- Models, Applications, and Innovation', by St Thomas Institute of Science and Technology, 24/11/2025 to 26/11/2025

**Prof., Preetha S.L** (AP, ES) and **Prof., Simi M.S** (AP, ECE) participated in the 5 days FDP

on Deep learning and Neural Networks organised by the Department. of ECE, MES College of Engineering and Technology, Kunnukara, Eranakulam from 09/12/25 to 13/12/25

**Prof., Lorinda E** (AP,ES) participated in the 5 days FDP on Artificial Intelligence Tools For Research and Academic Writing, organised by the Avantika Univefrsity, Ujjain, Madhya Pradesh from 08/10/25 to 12/10/25

**DEPARTMENT OF MECHANICAL ENGINEERING**

**FACULTY ACHIEVEMENTS**

**PAPER PRESENTATION**

**Prof., Maneesh T**, Assistant Professor, Department of Mechanical Engineering has presented the paper titled” Lubricant base stock development from HDPE plastic pyrolysis oil and modified palm oil” at the International Conference Recent Advances in Materials, Processes and Technology for Sustainability (RAMPTS 2025) organized by Govt.Engineering College, Thrissur during 9th to 11th October 2025.

**FDP PARTICIPATIONS**

**Prof., Maneesh T** (AP-ME), has participated in one-day Workshop on “3D Printing in Construction “conducted jointly by Indian Institute of Infrastructure & Construction and Swinburne University of Technology at IIIC, Kollam on 17<sup>th</sup> December 2025.

**Dr. Amjith L R** (AP-ME) and **Prof., Maneesh T** (AP-ME), has participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Sustainable Urban Waste Management: Combining Centralized, Decentralized Systems with AI Innovation at Marian Engineering College from 24/11/2025 to 29/11/2025.



**PROMOTED AS ASSOCIATE PROFESSOR**

**Dr SONIA S RAJ** was Promoted as Associate Professor in Mechanical Engineering Department in 2025

**SUSTAINABLE PRODUCTS & PRACTICES**



**Plastic Pollution Awareness and Paper Bag Unit.** An awareness class on plastic pollution combined with hands-on paper bag making training occurred on August 10, 2025, led by Prof., Ullas Innocent Raj, Associate Professor of Mechanical Engineering. The paper bag making unit was formally inaugurated on November 16, 2025, by Sri. M. Vincent, MLA from Kovalam constituency in Thiruvananthapuram, Kerala. These events, organized under Social Service Society at St. Sebastian’s Catholic Forane Church, Balaramapuram. This activity is directly linked to the vision of our College management “Empowerment of Marginalised Communities towards Sustainable and participatory development process”.



An awareness seminar on plastic pollution along with training in paper bag making was successfully conducted on Sunday, 19 October 2025, at CSI Church, Kazhakuttom. The programme was organized under the Youth Wing of CSI Church Kazhakuttom with the objective of creating awareness about the harmful effects of plastic pollution and promoting eco-friendly alternatives.

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COLLEGE  
CODE **MCE**

FOR ADMISSIONS

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# MARIAN

## ENGINEERING COLLEGE

KAZHAKUTTOM, THIRUVANANTHAPURAM  
[www.marian.ac.in](http://www.marian.ac.in)

COURSES OFFERED

### B.Tech

Artificial Intelligence & Machine Learning (60 seats)  
Civil Engineering (60 seats)  
Computer Science & Engineering (180 seats)  
Electrical & Electronics Engineering (60 seats)  
Electronics & Communication Engineering (60 seats)  
Electronics & Computer Engineering (60 seats)  
Mechanical Engineering (60 seats)

### M.Tech

Geo Technical Engineering (18 seats)

### MBA

(60 seats)

# MARIAN

## MOMENTS

Managing Editors | Rev. Fr. Dr. A.R. John , Manager & Rev. Fr. Jim Carvin Roach, Bursar

Editor in Chief | Dr. Abdul Nizar M , Principal Editor | Prof. Vinitha B Elza ( Dept. of EC ) | Prof. Sreelakshmi A. (Dept. of ES)

Board of Editors | Dr. Samson A (Dean) | Dr. Vijayalekshmy S (IQAC Co-ordinator)

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Dr. Berlin Selva Rex (Dept. of ME) | Prof. Balu John (Dept. of AI)

Dr. M Manoj (Dept. of ES) | Dr. Shibulal AL (HOD-MBS)

Layout & Design | Prof Rajaneesh R Chandran (Dept. of ME)