

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

DECLARATION OF MARIAN EDUCITY AND LAUNCH OF MARIAN BUSINESS SCHOOL



Welcome to the latest edition of our newsletter! This issue brings together a collection of updates, achievements, and stories that capture the energy and dedication of our community, underscoring our shared commitment to progress and excellence. In this spirit, we take a moment to highlight the vital role that skills and attitude play in shaping meaningful and successful careers.

In today's rapidly evolving professional landscape, technical expertise alone is no longer sufficient to ensure sustained career growth and success. Employers are increasingly seeking individuals who not only possess strong foundational skills but also demonstrate a positive, adaptable attitude that can drive them forward. Technical skills—such as knowledge of industry-specific tools, processes, and methodologies—are undeniably critical, forming the backbone of professional competency. However, it is the combination of these skills with key personal qualities like resilience, a proactive mindset, willingness to learn, and teamwork that truly sets exceptional professionals apart from their peers.

A positive attitude fosters a collaborative spirit and enhances the ability to solve complex problems. This mindset enables professionals to respond to challenges with optimism, maintain composure under pressure, and pursue growth even in the face of setbacks. Adaptability, a hallmark of a strong attitude, equips individuals to navigate the inevitable changes in their field, embracing new roles, technologies, and approaches with enthusiasm and flexibility. Moreover, the synergy between technical skills and a constructive attitude has a multiplying effect in team settings. A professional who is both skilled and adaptable can inspire their peers, foster a culture of continuous improvement, and ultimately strengthen the overall effectiveness of the organization. Employers value individuals who bring this balance because they recognize the potential for these individuals to make meaningful and lasting contributions. Such professionals are more than just efficient workers; they are valuable team members who uplift their organizations with their skills and positive approach. At our institution, we are committed to fostering these qualities in our students, recognizing that true professional excellence goes beyond mere technical ability.

We extend our heartfelt gratitude to all the staff members who contributed their time and expertise to bring this edition of the newsletter to life. Your dedication to capturing and sharing the accomplishments of our community is truly appreciated.

Best regards,

Rev. Dr. A R John
Manager

MESSAGE FROM
THE MANAGER



DECLARATION OF MARIAN EDUCITY AND LAUNCH OF MARIAN BUSINESS SCHOOL

On September 9, 2024, a historic event unfolded as Marian EDUcity was officially declared a dedicated educational hub under the Trivandrum Latin Archdiocese. This vision represents a commitment to holistic education and social upliftment, positioning **Marian EDUcity** as a catalyst for positive community transformation.

As part of this launch, the Marian Business School was inaugurated, further enhancing the educational offerings within Marian EDUcity.

The declaration ceremony for Marian EDUcity was graced by esteemed dignitaries, including Kerala's Honorable Governor, Dr. Arif Mohammed Khan; Archbishop Monsignor Thomas J. Netto; Archbishop Emeritus Most Rev. Dr. Soosa Pakiam, MLA P Sasi as well as former and current managers and principals of the institutions within the Marian Campus. The event began with a warm welcome address by Manager Rev. Fr. Dr. A.R. John, setting the tone for a memorable occasion that underscored the commitment of Marian EDUcity to providing quality education and promoting socio-economic development.

In his keynote address, the Governor emphasized the critical role Marian EDUcity will play in cultivating socially responsible leaders, aligning with the values of inclusivity and communal upliftment. Following this, Archbishop Monsignor Thomas J. Netto and Archbishop Emeritus Most Rev. Dr. Soosa Pakiam delivered heartfelt felicitations, celebrating the launch of Marian EDUcity as a beacon of knowledge and growth for the community.



Institutions within Marian EDUcity:

1. **Marian Engineering College** – Pioneers in producing skilled engineers equipped with innovative solutions for a globalized world.
2. **Marian College of Architecture & Planning** – Dedicated to training architects who integrate sustainability and modern design in urban planning.
3. **St. Jacob's Teachers Training College** – Shapes future educators with a focus on child development and progressive teaching methodologies.
4. **Marian Arts & Science College** – Fosters critical thinking and interdisciplinary knowledge in arts and sciences.
5. **The Little Flower Football Academy** – Supports the development of young athletes through rigorous training and a strong emphasis on sportsmanship.
6. **Marian Crafts & Art Centre of Excellence** – Preserves traditional art forms while promoting modern artistic expression.
7. **Marian Business School**– Equips students with a robust understanding of business and ethics, preparing them to lead responsibly in today's competitive economy.

Recognizing Excellence:

The event was marked by an awards ceremony that celebrated outstanding student achievements. Ms. Shehina Maheen was awarded for securing the top position in the EEE Branch under APJ Abdul Kalam Technological University (KTU), a testament to her dedication and academic excellence. Awards were also presented to top performers in M.Tech and B.Arch programs, recognizing their hard work and commitment to their studies.



Marian EDUcity and its institutions, strategically located near centers of innovation like Technopark and VSSC, offer students the added advantage of industry exposure and collaboration opportunities. With its commitment to excellence and a holistic approach to education, Marian EDUcity is poised to make a lasting impact on students and the community alike.

GENESIS 2024

The **GENESIS 2024** on 6/9/2024 at Marian Engineering College marked the beginning of an inspiring academic journey for the incoming batch of 2024-2028. The event was filled with a warm welcome and motivational addresses from esteemed dignitaries, including His Grace Most Rev. Msgr. Dr. Thomas J. Netto, Archbishop of the Latin Archdiocese of Trivandrum, and Chief Guest Mr. Sebastian Antony Ukken, whose words encouraged students to strive for excellence and innovation.



The ceremony commenced with an opening prayer and Welcome Address by Manager Rev. Fr. Dr. A. R. John, who extended his heartfelt wishes to the new students. His Grace delivered the Presidential Address, offering guidance and wisdom for the path ahead. The dignitaries led the ceremonial lamp lighting, symbolizing the pursuit of knowledge, which officially inaugurated GENESIS 2024.



In a highlight moment, two significant academic books—*Textbook for Engineering Mechanics* and *Workbook for Engineering Graphics*—by Professor Rajneesh Chandran were released, both aligned with the 2024 curriculum.



A unique **torch ceremony** signified the passing of values and knowledge from senior students to the new batch, followed by an **oath-taking ceremony** led by Dean Dr. Samson A., where students pledged to uphold the values of Marian Engineering College.



The **award ceremony** celebrated the achievements of outstanding students. The Archbishop presented awards to Shehina Maheen, KTU Topper in Electrical and Electronics Engineering, and departmental project awardees from various engineering disciplines. The event also honored Kiran P. for

achieving a perfect GPA of 10 in S4 B.Tech Degree Exams in Electronics and Computer Engineering.

The ceremony concluded with a Vote of Thanks by Prof. R. Harikumar, expressing gratitude to everyone who contributed to the event's success. The national anthem brought the proceedings to a close, symbolizing unity and pride among attendees.

MARIAN MERITS DAY: CHRYSALIS 2024

The Graduation Day Ceremony for Marian Engineering College's Class of 2024, celebrated on September 7, 2024, was a landmark occasion that marked the successful completion of undergraduate journeys for the graduating batch. Held in the Main Auditorium, the event began with a dignified procession and the ceremonial opening by the Manager, setting an elegant and festive tone. Following a beautiful choir performance, Principal Dr. Abdul Nizar M. welcomed the gathering, and Father Manager delivered a heartfelt Presidential Address.



Guest of Honor Speech:

The Chief Guest for the day, Dr. Tessy Thomas, former Director of DRDO, delivered an inspiring keynote address that resonated deeply with the graduates, motivating them to embrace challenges and pursue innovation in their future careers.

Graduation and Conferral of Degrees:

The highlight of the event was the presentation of degrees. Following the pledge, guided by Dean Dr. A. Samson, graduates were formally presented with their degrees. The ceremony was conducted with great dignity, as each graduate's name was called, and they walked

across the stage to receive their degree certificates and medals from Dr. Tessy Thomas. This moment was met with enthusiastic applause and cheers from the audience, reflecting the pride and excitement of the graduates and their families.



The ceremony concluded with a heartfelt vote of thanks from Professor Dr. Shreelekshmi R., Head of the CSE Department. She expressed appreciation for the hard work and dedication of the graduating students, encouraging them to carry forward the values and knowledge they gained during their time at Marian Engineering College.



Reception:

A celebratory reception followed the formal

ceremony, providing an opportunity for graduates, their families, and faculty members to mingle and enjoy refreshments. This gathering allowed everyone to reflect on the day's events and celebrate the remarkable achievements of the Class of 2024.

SPACE WEEK CELEBRATIONS

Date: August 5-8, 2024

The Space Week celebrations at Marian Engineering College were a resounding success, fostering enthusiasm and curiosity about space science and technology among students and faculty alike. The week-long event featured a series of engaging activities designed to promote awareness and appreciation for space exploration.

Inaugural Ceremony

The celebrations commenced with an inaugural ceremony that set the tone for the week. Esteemed speakers, including Dr. R. Jayakrishnan, Head of the Kerala University Astronomical Observatory, shared their insights on the significance of space exploration and its impact on technology and society, inspiring attendees to appreciate the vast possibilities within the field.



Quiz Competition

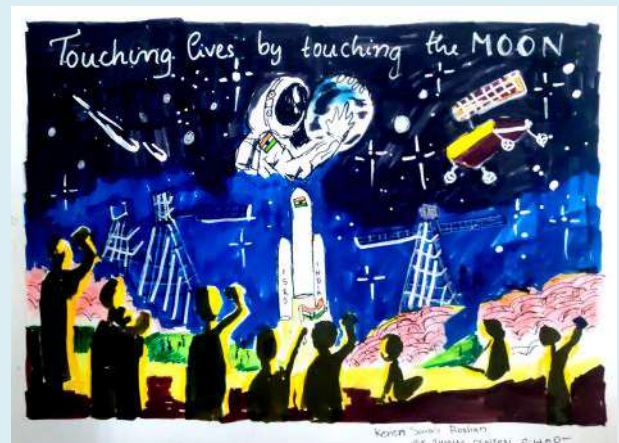
A highlight of the week was a quiz competition held for students at the plus two level. The quiz tested participants' knowledge on various aspects of space science, astronomy, and recent developments in the field. Akash Varghese served as the quiz master, leading the event with enthusiasm and expertise. The competition was

well-received, with students actively participating and showcasing their knowledge.



Poster-Making Competition

In addition to the quiz, a poster-making competition encouraged students to express their creativity and understanding of space-related themes. Participants created visually appealing posters that highlighted various aspects of space exploration, from planetary science to technological advancements.



Workshops and Seminars

Throughout the week, workshops and seminars were organized to deepen students' understanding of space technology, satellite systems, and the challenges of space travel. These sessions featured guest speakers from the field, providing valuable insights and inspiring future engineers and scientists.

Valedictory Function

The celebrations concluded with a valedictory function, where Sree N. Narayanamoorthy, Chairman of Keltron, served as the chief guest. He presented prizes to the winners of various

competitions, recognizing their achievements and contributions to the event.



WINNERS – STATE LEVEL CATEGORY

Marian Engineering College emerged as winners, securing the Second Place under the Engineering College category in the State-level competitions for this year's Space Week celebrations. The award ceremony, organized by the Indian Space Research Organisation (ISRO), took place on August 18, 2024, at the Vikram Sarabhai Space Centre (VSSC) in Thumba. Representing the college, Fr. Jim Carvin, Mr. Abhijith R. P., and Mr. Renju C. M. accepted the award from Shri. Suresh Gopi, the Honorable Minister of State for Petroleum & Natural Gas and Minister of State for Tourism, Government of India. This achievement highlights Marian Engineering College's dedication to fostering academic excellence and innovation in space sciences, aligning with national space initiatives and promoting student engagement in this dynamic field. SPACE WEEK CELEBRATIONS



Representatives of Marian Engineering College, Trivandrum, receiving the **Second Prize from Shri. Suresh Gopi, Honorable Minister of State for Petroleum & Natural Gas & Minister of State for Tourism, Govt. Of India,** for the competitions organized by ISRO in the State Level Engineering College category of National Space Day Program- 2024 on 18-08-2024 at VSSC, Thumba.



FOREIGN UNIVERISTY COLLABORATION

Marian Engineering College signed MoU with Swinburne University as academic partner. Rev. Fr(Dr) A. R. John , Manager MEC and Professor Ida Fatimawati bt Adi Badiozaman, Deputy Pro Vice-Chancellor represented both Institutions. The two institutions will engage in twinning program, student and faculty exchange programs, knowledge sharing sessions and joint research projects. MoU was signed on September 11, 2024..



➤ KNOWLEDGE SHARING SESSION – 1



As a part of MoU a knowledge sharing session was conducted on 21st August 2024 October 2024. Kelvin Yong Sheng Chek, from the School of Information and Communication Technologies along with Dr.Mohamad Safaree Sapuan(Dean – International Relations) of Swinburne University addressed our students and had an interaction with them. The session

handled the opportunities available for partnering institutes in Swinburne.



➤ KNOWLEDGE SHARING SESSION – 2

On 23rd October a knowledge sharing session was organized. Data Science for our selected third year CS, ES and EC students. Dr. Miko May, Dean, Dept. Of Data Science, Swinburne University, interacted with the students and handled a topic on “Data Science- Future and Careers.



IEDC - ACTIVITIES

➤ LUMINA

On August 7, 2024, Marian Engineering College hosted *Lumina*, a vibrant event that brought together students and industry leaders to inspire innovative learning. Mr. Deepu S. Nath, Managing Director of Faya and CEO of μ Learn, delivered an engaging keynote address, focusing on the impact of rapid technological advancements on society. Opening the event at 10:25 AM, Mr. Manoj highlighted the integration of extracurricular activities with academics and introduced the goals of the μ Learn initiative. Mr. Nath's address emphasized the importance of lifelong learning,

adaptability, and personal growth, complemented by interactive sessions where students explored their unique skills and interests. After a brief intermission, discussions covered evolving job market trends and the role of curiosity in career development. A video presentation illustrated how environments influence personal growth, and students Joan and Aditya shared positive experiences with the μ Learn Launchpad platform. Joan then unveiled the μ Learn x IEDC website, a major highlight. The event concluded with a Q&A, closing remarks by Mr. Manoj, and a vote of thanks by Dr. Samson A., with a memento presented to Mr. Nath at 12:10 PM.



➤ VERSION CONTROL 101

Held on August 24, 2024, via Google Meet, the *Version Control 101* session offered an essential introduction to Git, a powerful version control system widely used in software development. Led by Govind S. B., the session started at 7:00 PM, covering foundational concepts, repository setup, change tracking, and core Git commands. Govind underscored best practices like frequent commits, clear commit messages, and branch management for effective project development. Participants engaged in an interactive Q&A, leaving with practical knowledge on Git and enhanced confidence in managing and collaborating on code in real-world projects.

➤ SHALYAM IDEATHON

The *Shalyam Ideathon* took place on August 25, 2024, from 10:00 AM to 1:00 PM at the IEDC Hall in Marian Engineering College, where 8 out of 15 registered teams presented innovative ideas, with one team opting to revise their concept for greater originality. Mr. Manoj inaugurated the event, detailing evaluation

criteria focused on feasibility, innovation, and originality. Each team had a 15-minute presentation slot, followed by personalized feedback from Mr. Manoj, who provided insights into enhancing technical feasibility and scalability. An open discussion encouraged participants to refine their ideas collaboratively. Mr. Manoj's closing remarks summarized key takeaways, urging teams to continue refining their concepts for future success. The event fostered a valuable atmosphere of innovation, creativity, and constructive feedback.



➤ DELEGATION VISIT TO STEP-INCUBATOR AT PSG TEC

A delegation from Marian Engineering College visited the *STEP* incubator at PSG Tech, Coimbatore, gaining insights into the cutting-edge facilities and entrepreneurial support systems. The team included Rev. Fr. (Dr.) A. R. John, Manager of MEC; Rev. Fr. Ebin Stanley, Bursar MCap; Dr. A. Sanson, Dean of MEC; and Dr. M. Manoj, Nodal Officer of Marian IEDC. The visit provided an excellent platform for collaboration, knowledge exchange, and potential partnerships aimed at fostering innovation and entrepreneurship within Marian Engineering College.



CGPU - ACTIVITIES

➤ PLACEMENT COORDINATOR

Prof. Sumitra K (Asst Professor, EEE Department) took charge as placement coordinator of the institution in September 2024.



✓ PLACEMENT DRIVE

Students from the institution participated in placement drives organized by the Career Guidance and Placement Unit (CGPU) for the following companies (July – September 2024).

- InApp
- SOTI
- Infosys
- Bosch
- H & R Block
- Simplogics Solutions Pvt Ltd.
- Teachnook
- Corizo
- Taomish
- Equifax
- Intellipaat Software Solutions
- Electrifax technologies

About 119 students of the current Final Year students got placed.

➤ INDUSTRY INTERACTION

- ✓ Event Name : Industry Connect Program by Acsia Technologies

In September, CGPU hosted an *Industry Connect Program* led by Acsia Technologies, designed to bridge the gap between academia and industry for aspiring engineers. The program introduced students to the latest trends and expectations in the tech industry, with Acsia's experienced professionals sharing insights on emerging technologies, skill development, and career-building strategies. The event included interactive sessions where students could ask questions, gain industry perspectives, and explore the specific skills

required for success in today's competitive job market.

➤ PLACEMENT TRAINING

Training sessions were conducted for students by the following organizations/companies.

- Pragmatics (Aptitude)
- Neovent Innovations (Coding)
- Career Launcher (Student Induction Training to First Years)
- TIME (Higher Studies)
- Mock GD (CGPU MEC)
- Infosys
- Infosys Springboard (Digital learning & Reskilling)

Students have greatly benefited from the training sessions, gaining practical skills and insights directly aligned with industry demands.

➤ ALUMNI INTERACTION

Ms. Shehina Maheen, from the EEE Department's 2020-24 batch who recently secured a position at Bosch, engaged in an interactive session with students to share insights from her experience at the company. She provided valuable perspectives on Bosch's work culture, the skills that helped her succeed in the placement interview, and tips for navigating the early stages of a career in the tech industry.

NSS – ACTIVITIES

➤ 'AVIYAL' – DAY 1 - VEGETABLE GARDEN PROJECT (20-07-2024)

The "Aviyal" vegetable garden is an initiative by the NSS volunteers of Marian Engineering College to promote sustainable agriculture and environmental awareness. The project follows a structured approach: Selection of Area: Identifying a suitable location near the college. Cleaning and Preparation: Clearing the area of debris and preparing the



soil for planting. Planting and Maintenance: Future activities will include planting various vegetables and maintaining the garden. Volunteers selected an area near the college for the vegetable garden. The volunteers cleaned the area, removing weeds, plastic, and other debris to prepare the soil for planting. This initial cleaning was crucial to ensure a healthy environment for the plants.

➤ 'AVIYAL' – DAY 2 - VEGETABLE GARDEN PROJECT (10-08-2024)

On the second day of preparation, volunteers gathered at the Aviyal garden site to continue the groundwork.

The primary objective of this day was to clean up the plot and prepare the grow bags for planting.

Volunteers began by clearing the plot of any debris, weeds, and unwanted materials. This step was crucial in ensuring a clean and safe environment for future growth. Grow Bag were also prepared using dry leaves and fertile sand, volunteers prepared the grow bags. The mixture was carefully crafted to provide the necessary nutrients and structure for the plants to thrive. The use of organic materials reduced the carbon footprint and promoted sustainable agriculture practices.



➤ 'AVIYAL' – DAY 3 - VEGETABLE GARDEN PROJECT (22-08-2024)

The official inauguration of the vegetable garden, organized under the leadership of NSS Unit 522, was a resounding success. The event was graced by the Principal of Marian Engineering College, Mr. Abdul Nisar, along with Bursar Fr. Jim Karvin, who symbolically planted the first sapling, marking a significant step towards promoting sustainable agriculture. This initiative is a testament to the hard

work and commitment of our volunteers, whose relentless efforts over many days, from selecting the agricultural site to preparing the grow bags, have brought this vision to life. The vegetable garden not only promotes eco-friendly practices but also fosters a sense of community, teamwork, and awareness about sustainable living among students.



➤ FIRE STATION VISIT (20 -07-2024)



The Kerala Fire Force was deeply appreciated for their compassion and dedication shown, by Marian College of Engineering, Trivandrum, towards rescuing a life in need with great empathy. They extended their heartfelt gratitude during their visit to the Thiruvananthapuram fire station. Volunteers from NSS and college management joined in, presenting a token of appreciation. The words of gratitude from the rescuers served as motivation for the NSS volunteers as well. Fr Ebin Stanley, Dr Rani V, and the college management congratulated them for their efforts and contributions

➤ SCRAP COLLECTION (20-07-2024)

The Volunteers of unit 522 organized a scrap picking event on July 20, 2024, at the locality of the college. Primary objective of the event was to enhance environmental cleanliness and promote recycling and reusability of materials among community members. Volunteers were divided into small groups and assigned specific areas of college locality. They collected various items from the houses of the locality and also gave an awareness about the benefits of reusing and the negative aspects of plastics. The total amount of waste collected weighed

approximately 54kg. It not only helped in cleaning the locality but also promoted the values of recycling and reusability among the participants. The event fostered a sense of community and environmental responsibility.



➤ YOUTH DAY (12-08-2024)

On August 12, 2024, a significant pledging event against drugs was held in observance of International Youth Day. The event aimed to raise awareness about the dangers of drug abuse and to encourage youth to commit to a drug-free lifestyle. Their active participation not only helped streamline the event but also demonstrated a strong commitment to community service. Overall, the event successfully increased awareness, engaged the youth, and fostered a sense of community and responsibility, reflecting a collective dedication to combating substance abuse.



➤ RUDHIRA 4.0 (14-08-2024)

The blood donation camp, Rudhira 4.0, was successfully organized by the Rudhirasena of NSS Unit 522 in coordination with the Regional Cancer Centre (RCC) Trivandrum. The camp was inaugurated by the veteran Malayalam actor Sri Alensier Ley Lopez and the event witnessed an impressive turnout, with 42 blood donations recorded, involving students and faculty. Each donor was provided with a health check-up and refreshments, fostering a positive atmosphere that encouraged participation. The initiative not only collected vital blood supplies but also served to strengthen community bonds and highlight the importance of giving back. By

collaborating with RCC Trivandrum, Rudhira 4.0 demonstrated a successful model for future blood donation camps.



➤ INDEPENDENCE DAY CLEBRATIONS

The Independence Day flag hoisting ceremony was held at Marian Engineering College on August 15, 2024 to celebrate India's 78th year of independence. The event commenced at 8.30

A M with the national flag being unfurled by Rev Fr Dr A R John manager of Marian Engineering



College. As the tricolor was hoisted national anthem was sung by everyone present by filling the atmosphere with patriotism. Gathered chief guests delivered a brief speech by reminding the attendees of the significance of independence and the ongoing effort needed to maintain the nation's unity and integrity. The ceremony was simple yet meaningful and leaving everyone with a renewed sense of pride and commitment to the nation.

➤ SOCIAL RESPONSIBILITY OF YOUTH: NEED OF THE HOUR (15-8-2024)

Sri Bramanayakam Mahadhevan conducted a session titled "Social Responsibility in Youth: Need of the Hour" and he emphasized the critical importance of youth engagement in addressing societal challenges and highlighted the transformative role of National Service Scheme (NSS) volunteers. Sri Mahadhevan discussed how responsible NSS volunteers should not only participate in community service but also act as role models by promoting

awareness and encouraging their peers to engage in social initiatives. By embodying the values of empathy, commitment, and leadership, they can significantly contribute to the betterment of society.



➤ INTRO TO NSS (15-8-2024)

The "Intro to NSS" program, organized by S5 volunteers for S3 volunteers, aimed to familiarize the latter with the National Service Scheme and its core teams. The S5 volunteers elaborated on the history, objectives, and significance of NSS, detailing the responsibilities and notable projects of various core teams. Sharing personal experiences, they created an

engaging atmosphere. To conclude the program on a lively note, a series of fun games were organized, fostering team spirit and camaraderie



among participants. The interactive nature of the event combined with enjoyable activities left attendees excited and motivated to get involved in upcoming NSS projects.

➤ STEM CELL DONATION AWARENESS AND REGISTRATION (29/08/2024)

NSS unit 522 of Marian Engineering College organized a blood stem cell awareness and registration program on 29/8/24 Thursday in association with DKMS-BMST. The section was conducted under the guidance of Mr. Mohammed Sajid, Associate of DKMS-BMST. The section helped to make students aware of blood cancer and how it can be deleted through stem cell donation. Around 95 students donated

their cheek cells and agreed to take part in this huge mission to eliminate blood cancer.



➤ HELPING HANDS FOR WAYANAD (30-08-2024)



In response to the recent landslide that impacted many families, we organized a scrap collection drive to raise funds for those in need. Students and teachers participated enthusiastically, demonstrating strong community spirit. Their generous contributions allowed us to raise a significant amount of funds, providing essential support to the victims. This initiative not only helped those affected but also fostered unity within our college, showcasing the positive impact we can achieve when we come together for a noble cause.

ONAM CELEBRATIONS (13-9-2024)



Onam celebrations at Marian Engineering College took place on September 13, 2024, with vibrant enthusiasm and cultural pride. Both students and faculty adorned traditional attire, bringing a festive spirit to the campus. The celebrations featured a variety of engaging competitions, including Athappookkalam (floral carpet making), Onappattu (traditional songs), a Maveli character contest, and the exciting Vadam Vali (tug-of-war). The event concluded on a sweet note with a serving of payasam for all students and staff, adding a delightful finish to the day's festivities. The program was organised by the student senate under the guidance of Dr. Amjith.



IEEE PES SB – ACTIVITIES

➤ IEEE PES R10 INDIA COUNCIL CHAPTERS - ANNUAL GLOBAL WORKSHOP

IEEE PES R10 GLOBAL WORKSHOP on “Resilient Grids: Adapting to Energy Transition” was held on 13th and 14th of July, 2024 in the Hotel Residency Towers, Thiruvananthapuram, India.

The workshop was attended by Akash Vargheese(Chairman) and Arpith J Nair(Treasurer) representing IEEE PES SB MCE.

The two-day event kicked off with a grand inauguration presided over by members of the IEEE PES Kerala Chapter, IEEE Kerala Section, and IEEE Region 10(Asia-Pacific Region).

A highlight of the workshop was the Logo Unveiling ceremony for the IEEE PES Kerala Chapter Silver Jubilee capturing the essence of the 25-year journey.

R10 Leaders Dr. Krish and Harivardhagini conversed in the session. The workshop provided a great platform for networking, learning and collaborative discussions on the advancements in the field of electrical engineering and the future of resilient grids facilitating the energy transition. The session also provided ideas and directions to prosper the IEEE PES Chapter of Marian Engineering College.



➤ MCE COLLAB - UNDERSTANDING PCOS/PCOD: NAVIGATING CHALLENGES AND EMPOWERING WELLNESS

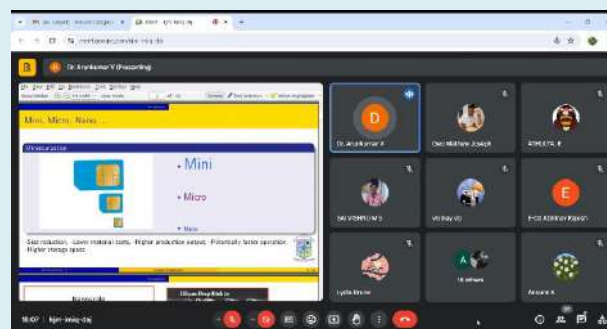


IEEE PES SB & PES of Marian Engineering College collaborated to conduct an online health session on July 11th, 2024 from 7pm-8pm on Google Meet.

The esteemed speaker, Dr P Deepa, MD, DNB, FMAS, is a renowned consultant Gynecologist with extensive experience in women's health. The session covered essential topics including symptoms, diagnosis, management and holistic approaches to improving the quality of life and provided valuable insights into PCOS/PCOD,

discussing common challenges and empowering strategies for wellness. The session was attended by students from various colleges and women in their 40's and 50's and was huge success.

➤ HEAT TRANSFER IN NANO SCALE – WEBINAR



IEEE PES SB MCE conducted a webinar on the topic “Heat Transfer in Nano Scale” on July 27th, 2024 from 6pm-7pm as a part of National Thermal Engineering Day. The webinar was conducted by Dr. Arun Kumar V, Associate Professor Dept. of Mechanical Engg, Marian Engineering College TVM.

The webinar covered the miniaturization of devices and its benefits, such as reduced size and cost, and faster operation. It focused on the impact of nanoparticles on the evaporation of liquid droplets, which could enhance combustion efficiency. The study used molecular dynamics (MD) simulations and experimental setups to analyze droplet behavior on heated surfaces. The webinar provided insights into nanoscale heat transfer processes, with implications for improved thermal management in miniaturized devices.

The platform of the event was Google Meet. There was a total of 60 registrations and 50 in attendance.

➤ KSEB POWER QUIZ

The preliminary round of Power Quiz 2024, organized in association with the KSEB Engineers Association, was held on 26th September and saw enthusiastic participation from around 130 students across all departments. Atul of S5 ES secured the first place, while Midhun of S5 CSE achieved the second position.



➤ IEEE YESS'24

The IEEE Kerala Section, in association with IEEE LINK, successfully conducted India's Largest Engineering Students' Summit, IEEE YESS'24, at the Muthoot Institute of Technology & Science (MITS), Kochi, on August 24th, 2024. The summit featured a variety of activities and workshops designed to inspire and engage participants. Among the enthusiastic participants was Arpith J. Nair, a student from the EEE S5 batch of Marian Engineering College, who also serves as the Treasurer of IEEE PES. His active participation underscored the spirit of representation and leadership from Marian Engineering College in such a prestigious event. Arpith contributed significantly to discussions and activities, showcasing the technical expertise and innovation-driven mindset cultivated in the IEEE community at Marian.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

➤ AI ASSOCIATION INAUGURATION



The Marian AI Association was formally inaugurated on 26th September 2024 by Dr. Abdul Nizar, Principal of Marian Engineering College. The event featured an inspiring keynote address by Jaykumar V, Principal Cloud Solutions Architect at Microsoft Corporation in Washington, DC. His address provided valuable insights into the evolving

landscape of artificial intelligence, cloud computing, and their transformative impact on various industries. The inauguration marked a significant step forward in fostering innovation and knowledge-sharing among students and faculty interested in AI and advanced technologies.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

➤ WELCOME

Ms Aswathy G S joined the department as Assistant Professor (Adhoc) in July 2024.



➤ CSE ASSOCIATION INAUGURATION

Marian Association of Computer Science (MACS '24-'25) was inaugurated on 29th August 2024 by Mr. Bino Jose Eapen, Vice President, IBS Software. A technical talk on Cyber Security was delivered by Mr. Hari Ajith, Managing Director, Artil group of Companies on the same day.



➤ ASSOCIATION ACTIVITY – REEL MAKING COMPETITION

Numma Paranja Nadan is a reel-making competition focused on socially relevant issues. Participants are challenged



to create engaging reels that raise awareness about important societal topics. This initiative not only promotes creativity but also encourages filmmakers to use their platforms for social change, fostering a sense of responsibility and advocacy among the youth.

➤ TRAINING PROGRAMMES -1

The CS department, in partnership with ICT Academy Kerala, conducted a comprehensive one-month internship program from 1st July 2024 with three cutting-edge tracks:

1. CyberSecurity
2. Flutter App Development
3. Full Stack Development using MERN.

This exciting opportunity allowed students to gain hands-on industry experience in the vibrant Technopark setting, spanning both Phase 1 (inside IITMK campus) and Phase 4 (inside DUK campus).



➤ TRAINING PROGRAMMES -2

Capture the Flag Workshop was conducted at Cyber Physical Systems Lab by Bijoy Abraham J.S, Software Engineer, Guidehouse on 10/08/2024.

➤ TRAINING PROGRAMMES -3

ICSET 2024, organized by the ICT Academy of Kerala on 25-09-2024 at Hycinth Hotel, features a hands-on workshop by IBM on 'Unlocking the Power of LLMs,' where participants can learn to build domain-specific RAG-based chat



applications. 13 students from S5R2 attendance this hands on workshop.

➤ STUDENT ACHIEVEMENTS

- ✓ **Ameer Al Hisham** of S7R1 worked as an intern for simple logics solutions and built a software. Basically it was under a tie up between Marian Engineering College and Simple logic solutions which aimed to develop a software for simple logics solutions.
- ✓ **Gokul S., Pinto N. Sebastian and Shaun Paul** of S3R2 Secured **2nd prize for "SpaceQuiz"** conducted as part of National Space day 2024 on 5th August 2024
- ✓ **Pinto N. Sebastian** of S3R2 Secured **2nd prize for "Literary Appreciation"** conducted as part of National Space day 2024.
- ✓ **Jamshid Khan** of S3R2 Secured **1st prize for "Bhuvan 2D"** conducted as part of National Space day 2024.
- ✓ **Neeraj P.S.** of S3R2 Secured **2nd prize for "Bhuvan 2D"** conducted as part of National Space day 2024.
- ✓ **Alisha Royson and Gauri Krishna** of S3R2 secured **first prize for "Rocket Model Making"** as part of National Space day 2024.
- ✓ **Tomson J. Finosh and R. Hemasiri** of S3R2 secured **Second for "Rocket Model Making"** as part of National Space day 2024.
- ✓ **Tomson J. Finosh, Abhijit S. R., Abhishek S Nair** of S3R2 has participated in a hackathon **"ERROR_418"** at technopark, conducted by MuLearn and FOSS club, UCK.
- ✓ **Sidharth Prem and Rohit James** of S7R1 won first prize for **quiz competition** conducted as part of National Space day 2024 and he also attended two months Goggle Cloud Arcade Facilitator Program'24.
- ✓ **Niranjana Biju** of S5R1 has contributed as a volunteer at Launchpad Kerala 2024 held on 15-07-2024.

➤ INTERNSHIP

- ✓ **Adrija S.** of S3R2 Completed **7-days Internship on "Python Programming"** by **STEM ROBOTICS** from 6/7/2024 to 12/7/2024

- ✓ **George Joseph** of S3R2 completed 2-month internship on “**Artificial Intelligence**” conducted by **Agratas Academy Pvt. Ltd.** from 11/7/2024 to 10/9/2024
- ✓ **Niranjan Biju** of S5R1 has successfully completed his internship as a **Operation Manager** at **μLearn Foundations** from 10-05-2024 to 31-08-2024.
- ✓ **Nandhana N J,Alfida F,Alfin Mohammed S,Aromal S Raj,Abhinav Ram P M and Abhishek Nobi** of S7R1 completed internship on Python Programming at **Keltron,Trivandrum** from 7-08-2024 to 7-10-2024.
- ✓ **Nandana Manoj** of S7R1 completed internship on ML Engineer, Data Scientist and Python Developer at **KIMO** from 26-06-2024 to 25-08-2024.
- ✓ **Cyril P Thomas** of S7R1 completed internship on App developer, Web Developer and Block Chain Developer at **KIMO** from 26-06-2024 to 25-08-2024.
- ✓ **Giridhar** of S7R1 completed the internship on UI/UX Design at **coconnexion Pvt Ltd.** from 07-08-2024 to 7-10-2024
- ✓ **Savio Patrick** of S7R1 completed Internship on Data science and AIML Internship at **Ybi Foundation** from 7-07-2024 to 21-07-2024.
- ✓ **Gokul S .of** S3R2 completed the course “**Introduction to AI**” conducted by **Infosys|Springboard** on 5/8/2024.
- ✓ **Joshua Alfred, Manikandan S and Arjun S B** completed internship on Data science and AIML at **Ybi Foundation..**
- ✓ **Sahami Shah** of S7R1 completed Internship on cybersecurity at **ICT academy** from 1-08-2024 to 31-08-2024.
- ✓ **Amjath S and Rithika Harikrishna** of S7R1 completed internship on AI at **Elewayte** from July-August 2024

➤ INDUSTRIAL TRAINING

- ✓ **Anand K and Dileep** of S3R2 completed an industrial training program on “**Data Science and Artificial Intelligence**” organized by **Phiscape Robotics Pvt. Ltd.** In association with **EEE department, TKM college of Engineering** for a period of one week from 28/6/2024.

➤ NPTEL COURSE COMPLETED

- ✓ **Ria Jose** of S3R2 completed the **NPTEL** online certification on “**Introduction to**

Quantum Computing: Quantum Algorithms & Qiskit”, Jul-Aug 2024.

- ✓ **Bobson Gomez and J Harishankar** of S5R1 successfully completed the **NPTEL** Online Certification on “**Data Structures & Algorithms using Python**” with Elite Certificate.
- ✓ **Najila** of S7R1 completed the **NPTEL** online certification on “**Theory of Computations**”, with Elite Certificate

➤ PAPER PUBLICATION

- ✓ **Dr.R Shreelekshmi** published a paper “**Edwards curve digital signature algorithm for video integrity verification on blockchain framework**” in **Science & Justice Journal**, Volume 64, Issue 4, Elsevier on July 2024.

➤ FDP CONDUCTED

An FDP on “**Introduction to Virtual Labs**” is conducted by **NITK Surathkal Virtual Labs team** on 14/08/2024 at 2:00pm to 4:00pm. The program is co-ordinated by **Hema S Mahesh, CSE Dept, Nodal Co-ordinator, MEC.**



➤ FDP ATTENDED

- ✓ **Ms.Binsi P, Ms.Keerthi Krishnan and Ms.Reeja S L** has participated in the five days online FDP on “**Powering Innovations & Efficiency on Intelligent Systems**” organized by **Department of Computer Science & Engineering** in association with **CSI** from 10-07-2024 to 18-07-2024 at **Mahaguru Institute of Technology.**
- ✓ **Ms.Mary Lisa Leenuse** has participated in the FDP on “**Network Security Tools and implementations**” organized by **Department of Computer Science & Engineering** at **Vimal Jyothi Engineering College, Kannur** from 15-07-2024 to 16-07-2024 and she also participated in the three day FDP on “**Research Jurisdiction and Methodological Retreat**” organized by

Department of Computer Science & Engineering, Carmel College of Engineering & Technology, Alapuzha from 10-07-2024 to 12-07-2024 and she also attended a three day workshop on “**Machine Learning**” organized by Department of Computer Science & Engineering, Mahaguru Institute of Technology on 10-09-2024.

- ✓ **Ms. Harsha T** has participated in the five days online FDP on “**Artificial Intelligence & Machine Learning**” organized by Department of Artificial Intelligence & Machine Learning in association with Pencil Bitz from 15-07-2024 to 19-07-2024 and she also attended one day National Level Industry Expert Webinar on “**Python the Game Changer**” conducted by A.C.T Academy, Kerala & VISKAMNIX Academy, Chennai on 11-09-2024
- ✓ **Dr. Anusha B & Ms. Harsha T** has participated in the five days FDP on “**Algorithmic Thinking with Python**” organized by Department of Computer Science & Engineering, Bishop Jerome Institute in association with Pencil Bitz from 07-09-2024 to 12-09-2024.

DEPARTMENT OF CIVIL ENGINEERING

➤ CIVIL ASSOCIATION INAUGURATION

The Civil Engineering department of Marian Engineering College marked the beginning of the academic year 2024-25 with an inaugural ceremony held on 30th August 2024 inaugurated by the esteemed chief guest, Dr. Binumol Tom, Professor, Department of Architecture at RIT Kottayam. The event, organized in collaboration with prestigious engineering societies such as the Institution of Engineers (India), American Society of Civil Engineers (ASCE), Indian Geotechnical Society (IGS), and AMETOS Civil Engineering Association, was a momentous occasion. The event marked a significant milestone in fostering academic growth and industry interaction within the institution.



➤ TECHNICAL TALKS -1

A technical talk on “**STORMWATER QUALITY MODELING USING SATELLITE REMOTE SENSING AND GIS**” was presented by Dr. Pooja P. Preetha, Assistant Professor, Department of Mechanical & Civil Engineering and Construction Management, CETPS, Alabama A&M University, USA on 25th July 2024 in association with ASCE and IEI Student Chapters, Department of Civil Engineering, MEC.



➤ TECHNICAL TALKS -2

A technical talk on “**UNLOCKING POTENTIAL OF B.TECH PROJECTS**” by Dr. Vishnu B. R., Associate Professor, Department of Mechanical Department, MEC and “**SKILL SET THAT CONSTRUCTION INDUSTRY NEEDS**” by Mr. Harishankar P, Center Head, SKILLZ, Trivandrum on 14th August 2024 in association with AMETOS and IGS Student Chapters, Department of Civil.



➤ TECHNICAL TALKS -3

The Civil engineering association- AMETOS and IGS student chapter of Marian Engineering College organized a talk on “**ARTIFICIAL INTELLIGENCE- IMPACT ON CIVIL ENGINEERING**” on 22nd August 2024 by Mr. Sreekanth APV, Ex. Director, ARCADIS, Singapore.





➤ TECHNICAL TALKS -4

AMETOS and IGS student chapters of Marian Engineering College organized a talk on “LiDAR Technology for Modern Surveying” on 23rd August 2024 by Mr. SelvamArumugam, General Manager, Land Coordinators Technology.

➤ TECHNICAL TALKS -5

A technical talk on “MAP CREATION USING GIS, LIDAR AND DRONE TECHNOLOGY” was presented by Mr. Selvam A., Land Coordinators Technology, Chennai on 4th September 2024 in association with ASCE and IEI Student Chapters, Department of Civil Engineering, MEC.

➤ MEMORANDUM OF UNDERSTANDING (MoU)

Department of Civil Engineering signed MOU with Land Coordinators Technology, Chennai, Geo Infrastructures, Kollam, and Civilianz-Skillz, Trivandrum on 29th August 2024. As a part of the agreement, they provides applications of LIDAR, various geotechnical field tests and Skill development to civil engineering students



➤ HONOURING SENIOR FACULTY MEMBERS

Department of Civil Engineering honoured Senior Faculty members, Prof. K. P. Narayanan, Prof. Sasidharan and Prof. Balu K.R. and Farewell of Mtech 2022-2024 batch conducted on 26th July 2024.

➤ BOARD MEMBER – KTU BOARD OF STUDIES

Dr. Rani V., Head of Department, Department of Civil Engineering appointed as BOS Member in KTU Board of Studies (U.G) for 2024 scheme.

➤ REVIEWER

- ✓ **Mr. Abhijith R. P.**, Assistant Professor, was a review member for the paper titled “Characterization of ceiling boards produced from Plaster of Paris reinforced with banana fibre and coconut shell ceiling board”, *Kufa Journal of Engineering*, University of Kufa, ISSN: 2071-5528 (PRINT) ISSN: 2523-0018
- ✓ **Mr. Abhijith R.P.**, Assistant Professor, was granted as an active review member by Board of JETIR for the esteemed Journal of Emerging Technologies and Innovative Research (ISSN: 2349-5162), holding member ID: 224116
- ✓ **Ms Renju C. M.**, Assistant Professor, was granted as an active review member by Board of JETIR for the esteemed Journal of Emerging Technologies and Innovative Research (ISSN: 2349-5162), holding member ID: 224103

➤ CONFERENCE – SESSION CHAIR

Dr. Rani V., was the session chair in Second International Conference ICID 2024 organised by Mar Baselious College of Engineering on September 2024.

➤ COORDINATOR – KEAM 2024

Mr. Kannan K., Assistant Professor, Department of Civil Engineering was Centre Coordinator for KEAM 2024.

➤ FDP ATTENDED

- ✓ Ms Renju C M, has participated in the five days Faculty Development Program on “Coastal Engineering: Comprehensive Insights for Onsite Solutions” organized by Department of Civil Engineering, Dr.D.Y. Patil Institute of Technology Pimpri, Pune in association with Central Water and Power Research Station (CWPRS), Pune on 2nd to 6th September 2024.
- ✓ Ms Renju C M has participated in one day online National level webinar on “Indian

Knowledge System in Higher Education” organized by Progrezz Academy (Training and Research Institute), Tamil Nadu on August 27th 2024.

- ✓ Ms Renju CM, Participated in one day online National level Workshop on “Latex Made Easy for Articles & Reports” organized by Progrezz Academy(Training and Research Institute), Tamil Nadu on September 13th 2024.
- ✓ Mr. Abhijith R P has participated in the five days Faculty Development Program on “Coastal Engineering: Comprehensive Insights for Onsite Solutions” organized by Department of Civil Engineering, Dr.D.Y. Patil Institute of Technology Pimpri, Pune in association with Central Water and Power Research Station (CWPRS), Pune on 2nd to 6th September 2024.
- ✓ Mr. Abhijith R P has participated in one day online National level webinar on “Indian Knowledge System in Higher Education” organized by Progrezz Academy (Training and Research Institute), Tamil Nadu on August 27th 2024.
- ✓ Mr. Abhijith R P has participated in one day online National level Workshop on “Latex Made Easy for Articles & Reports” organized by Progrezz Academy(Training and Research Institute), Tamil Nadu on September 13th 2024.
- ✓ Mr. Abhijith R P has participated in one day online National level Professional Development Programme on “Policy Initiatives and Quality Enhancement in Higher Education” organized by Progrezz Academy(Training and Research Institute), Tamil Nadu on September 22nd 2024.
- ✓ Mr. Abhijith R P has participated in one day online National level Virtual Seminar on “Importance of Epics in Indian Literature” organized by Progrezz Academy(Training and Research Institute), Tamil Nadu on September 27th 2024.

➤ PUBLICATIONS

- ✓ Mr. Abhijith R P and Ms Renju C M has published a paper entitled “A Study on Asphalt Concrete Mixes with Different Waste Materials as Modifiers in Pavement Application ”, International Journal of Advanced Research in Arts, Science, Engineering and Management(

IJARASEM), (A Bi-Monthly, Peer Reviewed, Refereed, Multidisciplinary, Scholarly Indexed, Open Access Journal since 2014) Volume 11, Issue 5, September - October 2024.

- ✓ Resmi D S, Nazeer, R., Dathan, C. B., Anilkumar, K., Madhu, A., Mathew, B. S., et al., (2024, August). Analyzing the ambient air quality along the congestion spots of urban corridors. In AIP Conference Proceedings (Vol. 3245, No. 1). AIP Publishing.
- ✓ Reshmy, D.S., Binu Sara, M., Swarnalatha, K., Arya V.A. Investigation of Urban Air Quality Using CFD Simulation at Traffic Congested Hot Spots” Sādhanā 49 (Springer), 115 (March 2024). <https://doi.org/10.1007/s12046-024-2460-9>

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

➤ WELCOME

Ms. Swathi Soman joined the department as an Assistant Professor (Adhoc) in October 2024.



➤ EEE ASSOCIATION INAUGURATION

The VIDYUTH 2024 inauguration was held on 30 August 2024 at EEE Seminar Hall. The welcome address was proposed by Abhinav Rajesh, president Vidyuth. The presidential address was proposed by Prof. R Harikumar, HOD. vote of thanks was proposed by Sooraj S Nair, Volunteer head Vidyuth.



Chief guest on the occasion was Mr. Noushad Sharafudeen. State Nodal officer Pradhan Manri Surya Ghar Projects, KSEB. Dean Dr A Samson, Head of the department Prof. R

HARIKUMAR, VIDYUTH 2024-25 Coordinator Ms.Thanga Thamarai NGS were on the dias.

Felicitation ceremony for the top rank holders for current and previous semester KTU university exams were distributed to the students by the chief guest and a small token of appreciation was presented to Mr. Noushad Sharafudeen by the Principal on behalf of college.

➤ ASSOCIATION ACTIVITIES

✓ LOGO DESIGN COMPETITION

From August 18th to 23rd, 2024, an online logo design competition was organised as part of the VIDYUTH association inauguration. Open exclusively to EEE students, this individual event encouraged



participants to design a distinctive logo representing the VIDYUTH association. Students were given the flexibility to submit either digital or hand-drawn entries, showcasing their creativity while adhering to the guidelines that prohibited any form of vulgarity or profanity. Participants submitted their designs by uploading them to a shared drive and pasting the link into a provided Google form, ensuring an organized and accessible collection of entries. The event celebrated the creativity and artistic expression within the EEE student community. Winner was Adarsh V B of S7 EEE

✓ IDEA PITCHING COMPETITION

From August 18th to 23rd, 2024, the Department of Electrical and Electronics Engineering organized an online idea-pitching competition as part of the VIDYUTH association's inauguration. Open exclusively to EEE students, this individual event invited



participants to identify a socially relevant problem and propose an original solution. To encourage innovative thinking, participants were restricted from using existing solutions, fostering a focus on creativity and novel approaches. Entries were submitted by uploading presentations to a shared drive, with links shared via a Google form. The event highlighted the ingenuity and problem-solving skills of EEE students, encouraging thoughtful and impactful ideas.

✓ POSTER MAKING COMPETITION

On August 23rd, the Vidyuth Association organised an engaging poster-making competition at the EEE Seminar Hall. Open to all department students, the event saw enthusiastic participation from six talented individuals, making it a resounding success. Participants were provided ample time and materials, allowing them to fully express their creativity in a live competition setting. Each participant showcased impressive skill and efficiency, with Akash Varghese of S5 winning the first prize for his outstanding work.

➤ QUIZ COMPETITION

On August 27th, from 12:30 PM to 1:30 PM, the Vidyuth Association of the Electrical and Electronics Department organized an exciting quiz competition for department students, held at the EEE Seminar Hall. With 17 students participating, the event was both engaging and a grand success. Student coordinators Adarsh V.B. and Sooraj S. Nair helped facilitate the competition, which saw enthusiastic responses and keen competition. Shabnas Nizamudeen Sheeba of S5 emerged as the first prize winner, showcasing outstanding knowledge and skill.

➤ INTERACTIVE AWARENESS SESSION ON FEMALE REPRODUCTIVE HEALTH



On September 27, 2024, the Department of Electrical and Electronics Engineering in

collaboration with the Asian Medical Students Association (Kerala Chapter), organized an impactful awareness session on female reproductive health from 1:00 PM to 2:00 PM. The session featured informative talks by AMSA members Saraswati Vivek (India-South Zonal Head), Rohitha Krishnan, and Meenakshi R.S., all affiliated with the Government Medical College, Thiruvananthapuram. Attended by 68 participants, the session focused on feminine health and hygiene, as well as cervical and breast cancer awareness and prevention. The interactive format included engaging presentations, a Q&A session, and a strong emphasis on early detection and preventive health practices.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING & ELECTRONICS AND COMPUTER ENGINEERING

➤ WELCOME

Mr. Abhishek JB joined the Department of Electronics & Computer Engineering as an Assistant Professor (Adhoc) in July 2024.



➤ ECE ASSOCIATION INAUGURATION



The Department of Electronics and Communication & Electronics and Computer had lit the lamp as part of inaugural ceremony - Electronics Association on 29th August, 2024. The Chief Guest of the day was Ms. Archa Mohan (Developer-III, Software Engineering, UST- Kochi). She is also our dedicated

Alumnus of 2015-2019 ECE. Principal Dr. Abdul Nizar addressed the audience followed by the both department heads and Association Chairperson.

➤ STUDENTS ACHIEVEMENT

Team of S5 students Nevin John, Vaishnav R S, Tarun M Nair, Liyanam Shibu and Aparna A L devoped the product AERIX and participated in Garuda India Hackathon hosted by DMI Engineering College, Kanyakumari on 28/9/24.

AERIX is a high-Tech drone featuring first person view (FPV) functionality, object detection and classification, GPS



Rescue, Return to home and a foundation for vertical takeoff and landing (VTOL) capabilities. It excels in both civilian and military application namely disaster response, infrastructure inspection sarch and rescue. They were the only team from kerala along with 48 teams from Tamilnadu. They bagged fourth place in the contest.



➤ EXPERT TALK



On 29th July, 2024, an Expert Talk session by Dr. Arun P.L (College of Engineering, Perumon) on the topics “Digital Revolution : Navigating the Future ” and “ DSP: Where Signals meet Intelligence” was organized by the Department of Electronics for the 2022-2026 and 2023-2027 batch students of Electronic and Communication and Electronics and Computer Engineering.

➤ STUDENT WORKSHOPS

On 25th and 26th September, 2024 the 2023-2027 ECE and ES students had participated in a workshop on Arduino basics and advanced, conducted by Nrvara Infotech Company . The resource persons were Mr. Padmakumar S. and Mr. Vijin D’cruz.



➤ SPACE CLUB ACTIVITIES

In honor of National Space Day Celebrations (NSpD24), the Space Club of Department of Electronics had hosted a Rocket Model Making and Chart Presentation Competition on 7th August, 2024 to celebrate India’s Space accomplishments with a special focus on the successful Chandrayaan -3 Mission. Our students of all departments contributed effectively. The Space club coordinators of the department are Prof.Ramola Joy and Prof. Simi M.S. Also members of Space club went to St.Josephs school to display their exhibits as part of Outreach Program on 9th August, 2024.



➤ NISH ACTIVITIES

- ✓ On 9th August 2024 and 16th August 2024, a group of 20 students were permitted for their industrial visit at NISH.



- ✓ One batch (Fiza Akbar ,Fida Noushad, Nayana R ,Gouri Krishna S S of 2021-2025 EC final year students have started the final year project in association with Assistive Technology at NISH.

➤ CENTER OF EXCELLENCE ACTIVITIES

As a part of MoU with UST renewed by April 2024, an orientation session was given to the students by Dr. M. Manoj & Dr. Manu Mohan. 47 students registered for this years program. Sessions started by the mid of May and got completed by June end. As an outcome students were given opportunities to attend interview at UST. 16 students got placed this year. All of them joined and as per company feedback, their performance is excellent.



First Batch of selected students.

➤ FDP ATTENDED

- ✓ Ms.Vinitha B Elza, (HoD., ECE) has participated in one week FDP on ‘Technological Advancements in synthesis

of Novel Materials” organized by Dept. of Mechanical Engineering, Chaitanya Bharathi Institute of Technology (A), Hyderabad from 5th to 10th August, 2024

➤ PAPER PUBLICATIONS

- ✓ Abhiram S.P, S.Umamaheshwari, Muhammed Shybin M.S., Aromal Saju Campbell (2020-2024 ECE) and **Prof. Sreena V.G (AP, ECE)**, Prof. Raji N.R (NISH) had published a paper on 16th September, 2024, titled “ Si-LERT(Assistive device for hearing impaired drivers”, in IEEE Explore (Scopus Indexed).

DEPARTMENT OF MECHANICAL ENGINEERING

➤ WELCOME

Dr Ajith PM joined as Professor in the Department in October 2024. He is a retired Professor from the Department of Mechanical Engineering at CET.



➤ ME ASSOCIATION INAUGURATION



The Mechanical Engineering Association MAGMA (Marian Association of Growing Mechanical Aspirants) was officially inaugurated for the academic year 2023-24 on 10th September 2024. The event marked the beginning of a series of enriching activities for mechanical engineering students, aimed at fostering innovation and technical skills. Following the inaugural session, Shri Fazil Mohammad presented a keynote address titled “Introduction to Rocket Propulsion & its Recent Trends”. During his speech, he delved into recent innovations in the field of rocket

propulsion, emphasizing the advancements in mechanical engineering that drive these technologies. He also provided valuable insights into the myriad opportunities available for aspiring engineers, both in India and globally, encouraging students to explore emerging fields and contribute to the country’s technological progress.

➤ EXPERT TALK



Mechanical Engineering Association (MGMA), organized a technical talk titled “Unlocking the Potential of B. Tech Projects” on 30-08-2024. The talk was delivered by the esteemed Dr. Vishnu B R, Associate Professor, Department of Mechanical Engineering. The event was primarily aimed at B. Tech Mechanical Engineering students, particularly those in their final year, to help them maximize the impact of their academic projects.

The main objective of the talk was to provide students with insights into how they can effectively plan, execute, and present their B. Tech projects. Dr. Vishnu emphasized the importance of selecting relevant topics, conducting thorough research, applying innovative approaches, and utilizing projects as a stepping stone for future academic and professional endeavors.

➤ PROJECT EXHIBITION

Mechanical Engineering Association (MAGMA), successfully organized a Project Exhibition on Sustainable Energy and Conservation on 27th September 2024. The event, held at SH 302 (ME Block), commenced at 11 AM and showcased innovative student projects focused on addressing key challenges

in sustainable energy and conservation. The exhibition was inaugurated by Dr. Berlin Selva Rex, Professor and Head of the Department of Mechanical Engineering. Prof. Ullas Innocent Raj, Associate Professor of the Department of Mechanical Engineering, served as the event's coordinator. Under his guidance, the students presented cutting-edge projects, showcasing their technical skills and knowledge in developing solutions to real-world problems related to energy sustainability.

The projects spanned various aspects of energy conservation, renewable energy technologies, and sustainable design solutions, reflecting the students' commitment to contributing to the greener future.



➤ MERIT CERTIFICATE OF EXCELLENCE

Dr. Sonia S Raj has been awarded the prestigious Certificate of Excellence in Reviewing by the Asian Journal of Environment & Ecology. This



recognition is given in acknowledgment of her outstanding contribution to the quality of the journal through her diligent and high-quality peer reviews.

➤ RESOURCE PERSON

- ✓ Dr. ArunKumar V: "FORTRAN as a competent tool in Fluid dynamics problems" an expert talk at Trivandrum's "JetBrains" chapter in July 2024.
- ✓ Dr. ArunKumar V : "Open-Source Software: Practical Ideas for Protecting Your Intellectual Property", an expert talk in a webinar at Trivandrum's "JetBrains" chapter in July 2024.
- ✓ Dr. ArunKumar V : "An Introduction to AI tools in Fluid Dynamics" an expert talk on a webinar organised by CII Trivandrum chapter in August 2024.

MARIAN BUSINESS SCHOOL

FACULTY

➤ PROFESSOR & HOD

Dr. SHIBULAL AL

Dr. Shibulal A.L. is an accomplished Management Professor with a rich educational background, including a B.Tech. in Chemical Engineering, an MBA, an M.Phil, and



a Ph.D. in Management. With over 13 years of experience in academia and 8 years in the industry, Dr. Shibulal is a distinguished educator and researcher. Dr. Shibulal possesses a wide array of core skills, notably in Quantitative Techniques, Operations Management, Operations Research, Research Methodology, Advanced Project Management, Quality Management, and expertise in IBM SPSS & AMOS. He has a keen interest in consulting areas such as field research, Market Surveys, Waste Management (especially e-waste management), and Bottom of Pyramid Management in society. Previously he worked with IMK, University of Kerala and with Saintgits Institute of Management as Associate Professor. The tenure at Mohandas Institute of Management, Trivandrum as HoD, he was instrumental to setup the B-School with high credentials. He has a significant publication record, including 16 papers in research journals and 25 paper presentations. He has successfully secured funded projects and assignments from prestigious organizations, highlighting his proficiency in securing funding and managing diverse projects. As an active member of professional bodies like the Indian Society of Training & Development (ISTD) and the Indian Society for Technical Education (ISTE). His passion for teaching, student development, research, and effective engagement through various activities is a testament to his dedication to the academic community.

➤ ASSISTANT PROFESSORS

Dr. VINEETHA MATHEW

Dr. Vineetha Mathew is a passionate researcher in management, specializing in personal finance, gender studies and wellbeing. She completed her PhD in management from CUSAT, and post-graduation in management from Loyola Institute of Business Administration, Chennai. She also holds industry experience as an Associate Consultant - Financial Services at Infosys. She has several publications in Scopus and ABDC indexed journals, with research focused on human psychology, behaviour, and its impact on decision-making, offering valuable insights to her field.



Ms. SARANYA SATHYANESAN

Ms. Saranya Sathyanesan is a seasoned HR industry expert and Assistant Professor in HR Management. She brings a unique blend of practical experience and academic insight to the field of HR with over 5 years of experience driving organizational excellence through strategic HR management. With a proven track record of delivering impactful training programs, fostering academic excellence, and providing consultative expertise to organizations by working in HR domain, she is passionate about nurturing future HR leaders. Prior to her current role, she served as an Assistant Professor at Musaliar College. She has secured third rank in Master of Business Administration from Mahatma Gandhi University.



Mr. NINU P JOHN

Mr Ninu P John is an industry expert and a marketing pedagogue who holds an industrial experience of 14 years in IT/ITES, Media and

Financial Services and 3 years of teaching experience in Lourdes Matha College of Science & Technology.



➤ MBA 2024-26 BATCH INAGURATION



The batch inauguration of first batch of MBA students of MBS, 2024-26 academic year was conducted on 2nd Sep'24, by Rev Dr.A.R John. Students were addressed by principal-Dr. Abdul Nizar, Bursar- Rev. Fr. Jim Carvin Roach, Dean- Dr.Samson A and HoD- Dr. Shibulal A.L. (MBA Department).

➤ INDUCTION PROGRAMME OF 1ST YEAR (SEMESTER 1) MBA STUDENTS

The Induction Program, for the MBA batch of 2024-2026 of Marian Business School, was held on 2nd, 3rd & 4th Sep'24. The objective of the Induction Program was to facilitate a seamless transition into the MBA program, promoting socialization, team building, problem solving and academic preparedness. The programme started with a warm welcome session by Manager of Marian Engineering College, Rev. Fr. A. R John welcoming the students and explaining his strategies to have good academic year so students can get holistic development.

Day 1 Induction: Mr. Varghese Thomas led the first day Induction Program focusing on Team building and problem solving sessions.

Day 2 Induction: The second day induction session was conducted by Mr. Praveen Kamalamma and his session covered the topics on 'how to be focused' along with other mindfulness techniques.



Day 3 Induction: Mr. Kiranchand handled the third day induction program with the objective of building confidence and improving communication. He conducted team building activities as an ice breaking session for the students.



➤ INDUSTRIAL VISIT @ UST GLOBAL

On October 4th, 2024, an industrial visit to UST Global was organized for first-year MBA students (2024-26 batch) to enhance their understanding of the IT consulting industry. The visit aimed to bridge academic theory with practical insights into digital transformation and IT services.



Students also toured UST's state-of-the-art campus, gaining direct exposure to the work environment and operations of a global IT consulting firm.

➤ FIRST PRIZE – BEST MARKETING TEAM @ SIMTHESIS 16.0

Amal J S, Devika Vijay, and Irene Mariyam Babu, students of Marian Business School (MBA Batch, 2024-26) got first prize in *Hermes Pitch* (Best Marketing Team), at SIMthesis 16.0, the national-level management fest organized by Saintgits Institute of Management, Kottayam, on October 24-25, 2024.



➤ LIVERY FOR KSRTC SWIFT SUPERFAST

Amal J S, a first-year MBA student, had the remarkable opportunity to design the livery for the new KSRTC 'Superfast Premium AC' bus. Tasked with creating an innovative and modern exterior, His unique and contemporary design captured the attention of KSRTC officials and was ultimately selected for the project. The vibrant livery was unveiled to the public in the first week of October 2024 by the Honourable Chief Minister of Kerala.





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