



Department of Electrical and Electronics Engineering

COLLEGE OF ENGINEERING MUTTATHARA

CAPE- GOVT.OF KERALA



★ VISION

Develop socially and globally competent Electrical Engineers who can build new futuristic world to provide scientific growth and innovative ideas for the betterment of human race

★ MISSION

- To motivate students for life-long learning thus by professional growth with a solid foundation in Electrical and Electronics Engineering
- To empower young minds to adapt effective solutions for the technological issues in industries through research activities
- To mould the students with professional ethics and societal value

★ ABOUT DEPARTMENT

The Department of Electrical and Electronics Engineering was established in the year 2016 with a sanctioned intake of 60. The department strongly believes in working towards the goal to make the students from engineers into skilled professionals. The department is a center of

erudition, where we nurture young talents using new-age information and computer-intensive technologies. The well-experienced faculty members and technical staff are dedicated to delivering competent electrical engineers to the arena of the real world. Our major emphasizing imparting technical training is to encourage curiosity and innovativeness among our students and lay a foundation from which they can acquire quick learning ability and adapt to the fast-changing needs of the industry. We ensure that the graduated students are outfitted with core technical knowledge as well as professional skills necessary to face future technological challenges. They can play a major role in the development of renewables, hybrid and electric vehicles, energy storage systems, and energy-efficient lights, motors, and appliances for a clean energy environment

★ ABOUT VIDHYUTH

Electrical and Electronics Engineering Students Association Vidhyuth was formed in the year 2018. Vidhyuth organizes many activities, such as, organizing guest lectures, workshops industrial visits co-curricular events, etc. throughout the year. Vidhyuth released the first newsletter on 2022. Each year an executive committee will be selected from students. The committee will coordinate all activity of the association.

◆ Inauguration of Association Activities 2023 -2024

The Department of Electrical & Electronics Engineering at the College of Engineering Muttathara organized the **Vidhyuth Association Activity Inauguration program** for the academic year 2023-24 on **13th December 2023** in the Seminar Hall. The program went on with the welcome speech by Secretary **Neeraj S A**. The Presidential address was delivered by HOD **Dr. C Sreekanth** and the guest of the day was **Shri. Renji V Chacko, Senior Director Power Electronics Group at C-DAC Trivandrum** who has a renowned expertization in power electronics area, inspired the audience with insights into advancements in the field and importance of innovation in technology related electric vehicle.



◆ Arduino Sparks : Hands on Workshop

A two day workshop on the behalf of Vidyuth assosiation was held at seminar hall on **18th & 19th of October 2024** titled as '**Arduino Sparks**'. The program was inaugurated by the principal **Dr. V Praseedalekshmi**. The workshop embarks more knowledge on the use of Arduino and it's applications. **Dr C Sreekanth** HOD gave words on the topic of the importance of technical workshop. Trainers are provided the equipments for the smooth running of workshop and made them to be creative in their own way of designing circuits with the effective utilization of Arduino.



◆ Brochure Release

The Department of Electrical and Electronics Engineering at the College of Engineering Muttathara proudly released its brochure, highlighting its achievements and initiatives for the academic year 2023 - 2024 in presence of **Dr .V Praseedalekshmi**. The Brochure has been fully designed and prepared by **Jagan S. S** of S5 EEE. The publication showcases the department's vision of nurturing globally competent engineers and its mission of fostering professional ethics, research aptitude, and adaptability to evolving technologies. Key highlights include the recognition of academic toppers, a 53% placement rate for the 2020-24 batch.



◆ Expert Talk : Electrical Installation Design HT<

We organized an expert talk for electrical students on **Electrical Installation Design (LT & HT)**. The session was conducted on **31st October 2024** by **Mr. Sambasivan M. N.** (Retd. Executive Engineer), KSEB Ltd., and Director of TESLAPACS, TVM. Dr. C. Sreekanth (HOD) started the program with a welcome speech, emphasizing the importance of proper design and measures in electrical installations.



◆ Campus Real Time Learning

On **27th July 2024**, a group of students from the Electrical department visited the switchyard situated on our college campus. **Mr Biju Kumar G** (Instructor/EE) who briefed us on the connection and safety of the equipment. It comprised of High-voltage transmission lines, transformers, Circuit breaker, Switchgear.



◆ Gateway to GATE

An orientation program was conducted under Vidyuth association for EEE students of S1,S3,S7. on **10th of October 2024** lead by **Dr .A. Jagatheesh (M.E,MBA(EDU), Ph.D** titled as '**GATEWAY TO GATE**'. The class started by the welcome speech delivered by Anoop PR (President Vidhyuth) went on with giving a small insight on orientation by **Dr.C Sreekanth** (HOD).Then the invited guest pave the role in making the student enhanced and motivated on the advantages and opportunities about GATE.



◆ New Beginnings : Orientation Session



On behalf of association, an **Orientation Program** was conducted for 1st year students on **12th September 2024** at seminar hall. The faculties from the Electrical department were present and HOD **Dr. C Sreekanth** provide the valuable insights on upcoming future. the program started with an address of gathering by president Vidhyuth **Anoop P.R.** The program aimed to familiarize the first-year students with the Department's vision, academic opportunities, and extracurricular activities, fostering a sense of belonging and enthusiasm for their journey ahead.

✦ Exploring Horizons : Prospects of EEE Branch



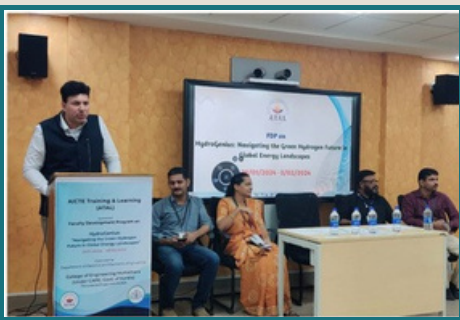
On **September 12th, 2024**, student **Abhijith M S** from S5 EEE delivered a presentation titled "**Opportunities in EEE**". This presentation highlighted the importance and future prospects of electrical engineering within the industry. It aimed to offer valuable insights and address various questions related to the field of electrical engineering. The session was designed specifically for newcomers to help them grasp the fundamentals of the discipline. The presenters emphasized the diverse career paths available, ranging from renewable energy solutions to cutting-edge electronics design.

✦ A Step Towards Technological Advancement

On **August 23**, the Grand Hyatt in Kochi hosted the **Robotics Round Table Conference** organized by KSIDC (Kerala State Industrial Development Corporation) under the aegis of the Department of Industries and Commerce, Government of Kerala. A group of students from the Electrical department had a chance to participate in this event.



✦ Faculty Development Program



The department hosted a six-day **Faculty Development Program (FDP)** titled "**HydroGenius: Navigating the Green Hydrogen Future in Global Energy Landscapes.**" The event was sponsored by **ATATL (AICTE Training and Learning)** and took place from **29th January 2024 to 3rd February 2024**. The event was graced by the esteemed presence of **Dr. Sujit Pillai, Scientist F, Ministry of New and Renewable Energy (MNRE), Govt. of India, New Delhi.**

✦ Startup by Faculty Members

A startup registered as "**GrunUrja**", a renewable energy consultancy initiated by faculty members of Department of Electrical and Electronics Engineering, College of Engineering Muttathara, The startup aims the activity on green hydrogen technology and its derivatives and other renewable energy activities. Our vision is to lead the way toward a world powered by sustainable energy, emphasizing environmental preservation and economic prosperity. Grunurja's mission is to empower individuals, businesses, and communities to adopt sustainable energy practices through expert consultation and innovative strategies.



◆ Achievements

- Our institution won 1st Prize in the Energy Audit Competition at **ENCON 24**, hosted by the College of Engineering, Trivandrum. This event gathered top engineering students to tackle energy conservation challenges. Team members are **Rabiathuladawia, Savid Sundar, Mohammed Sinsad, Megha Pradeep and J Vignesh**, they were mentored by **Mr. Anas S R (A.P /EEE)**.



- **Adarsh S U and Jobitha Saju** of **S3 EEE** achieved a remarkable milestone by securing the 1st Prize (District Level) in the prestigious 7th Energy Quiz organized by the KSEB Engineers Association. .



Abhiram S M (2024 pass out) a student from the Electrical and Electronics Engineering Department clinched the gold medal in the Javelin Throw event, showcasing his exceptional skills and dedication.

- **Solar Powered Vehicle- An Eco Friendly Campus Cruiser** which is totally designed and built by **Anandhu B (S8 EEE), Ananthkrishnan K.P.(S8 EEE) Aswathy A.S (S8 EEE) and Supriya S.P (S8 EEE)**, guided by **Mr. Shibin D.H. (A.P/EEE)** as a part of their final year project work.



Supriya S.P of 2020-2024 Batch exhibited exceptional academic excellence throughout her tenure, earning a **Minor degree in Computer Science and Engineering** alongside her primary field of study. She achieved the distinction of being the **institution topper**, a reflection of her hard work and dedication. Her outstanding academic performance was further recognized with an award Sponsored by PTA of our institution for achieving the highest CGPA and exemplary accomplishments.

- **Anandhu B** has been honored with the Excellent Award for overall Performance for the years 2020-2024, acknowledging their exceptional contributions, unwavering dedication, and commitment to excellence.



◆ Publications

- **Anandhu B.(S8 EEE), Ananthkrishnan K.P (S8 EEE) Aswathy A.S (S8 EEE) Supriya S.P (S8 EEE) and Mr. Shibin D.H (A.P/EEE)** presented paper on **5th National Conference on Future Technologies in Power, Control and Communication Systems** (online mode) (NFTPCOS' 24) organized by **Department of EEE,College of Engineering Perumon** during **15-16 April 2024**

Anandhu B (S8 EEE), Ananthkrishnan K.P (S8 EEE) Aswathy A.S (S8 EEE) Supriya S.P (S8 EEE) and Mr. Shibin

- **D.H (A.P/EEE)** published paper entitled **Green Wheels: Solaris Campus Cruiser in Action** on **International Journal of Energy and Thermal Applications**, Volume 2, Issue 1, 2024 January-June DOI (Journal): 10.37591/IJETA

Achievements

● Dr. Sreekanth C, Mr. Anas S R, Ms. Beenu Mary Panicker, Ms. Salini M Venugopall and Mr. Abilash R S faculty from our department has emerged national level **First** in the Hydrogen Hackathon held during **February 9 & 10, 2024** based on the theme of Hydrogen Valley Development in India. The program was jointly organized by Embassy of Netherlands and Department of Science and Technology (DST)



Hackthon winning team received appreciation from KTU Vice Chancellor **Dr. Saji Gopinath** at the inauguration of **TECHFEST and KETCON 2024**, Ahalia School of Engineering and Technology on 16th February 2024



Our faculty members participated in academic interaction with delegates from Netherlands on Green hydrogen initiatives organized by Department of Physics, Cochin University of Science and technology held on **4th April 2024**

● In recognition of our faculty team's achievement on winning hackathon the Government of Netherlands sponsored them with the participation in the **World Hydrogen Summit 2024** held at **Rotterdam AHOY, Netherlands** during **13th to 17th April 2024**. The interactions and presentations facilitated during the summit are expected to pave the way for future partnerships and funding opportunities which significantly contribute to the development of hydrogen production technologies and its research initiatives in Kerala.



As a significant academic milestone, on **17th May 2024** the Hackathon winning team of Faculty Members have presented their innovative idea on hydrogen production in front of **Dr.Aravind**, Professor and Chair of Energy Conversion, University of Groningen and **Dr.Jules** Van Lier, Professor, Wastewater Treatment / Environmental Engineering, Delft University of Technology (TU Delft), Netherlands.



The detailed visit report on the participation in the **World Hydrogen Summit 2024** held at Netherlands during April 2024 has been submitted to **Shri. K R Jyothilal IAS**, Additional Chief Secretary, Govt. of Kerala.



The faculty members of the Electrical Department, **Dr. C. Sreekanth** (HOD) and **Mr. ANAS S.R.** (Assistant Professor), visited the **NTPC Energy Technology Research Alliance (NETRA)** in **Greater Noida** on November 22, 2024. The visit provided insights into NTPC's diverse initiatives, including Carbon Capture, Utilization, and Storage (CCUS), green hydrogen (GH₂) generation, renewable microgrids, and advanced water treatment technologies.

🌟 Celebrations

➤ TEACHERS DAY



➤ FAREWELL (2024 PASS OUT BATCH)



➤ ONAM AND CHRISTMAS CELEBRATIONS



🌟 Class Toppers



SUPRIYA S P
CGPA 9.44
2020-2024 BATCH



AJIN P WILFRED
CGPA 8.15
2021-2025 BATCH



GAURIKA G
CGPA 6.73
2022-2026 BATCH



APARNA S P
CGPA 7.19
2023-2024 BATCH

🌟 Office bearers



MR. ABHILASH RS
FACULTY IN CHARGE



ANOOP P R
PRESIDENT



JOHAN BABU
VICE - PRESIDENT



DANI ABRAHAM OMMEN
SECRETARY



RABIATHUL ADAWIA
VICE - SECRETARY



AJIN P WILFRED
TREASURER

🌟 2020-24 EEE Pass out Batch





Placements



NEERAJ S A
PROTECTION &
AUTOMATION ENGINEERS



GOPIKA LAL V S
ZF COMMERCIAL VEHICLE
SOLUTIONS



PARVATHI S R
ZF COMMERCIAL VEHICLE
SOLUTIONS



ADITHYAN M S
ZF COMMERCIAL VEHICLE
SOLUTIONS



ANANDHU B
MADRAS ENGINEERING
INDUSTRIES



ADHEENA U S
MADRAS ENGINEERING
INDUSTRIES



ASHIKA L SABU
MADRAS ENGINEERING
INDUSTRIES



ASWATHY A S
MADRAS ENGINEERING
INDUSTRIES



FARSANA D
MADRAS ENGINEERING
INDUSTRIES



SHIHABUDEEN K
PROTECTION &
AUTOMATION ENGINEERS



MOUFINA S S
ZF COMMERCIAL VEHICLE
SOLUTIONS



DEVIKA R S
KERAL TRANSFORMERS



ASWANI S S
QSPIDERS



VYSHNAVY KRISHNAN
KERAL TRANSFORMERS



DEVIKA S
TATA CONSULTANCY
SERVICES

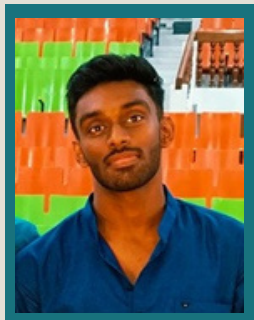


ARJUN B
TEJAS NETWORK LIMITED

EDITORS



JITH SK
S8



VISHNU B HARIDHAR
S8

We are delighted to present the third edition of the VIDHYUDH Association Newsletter, chronicling the remarkable milestones of 2024 while setting the stage for the exciting opportunities of 2025. This newsletter embodies the innovative energy and collaborative spirit of our Electrical and Electronics Engineering community, showcasing the outstanding achievements of our members, groundbreaking projects, and emerging trends in the field. We sincerely thank the management, faculty, staff, and students of the EEE department for their unwavering dedication, which has been pivotal in driving our success. As we reflect on our accomplishments and prepare for new ventures, let this publication be a source of pride and inspiration, celebrating the unity and excellence that define the VIDHYUDH Association.