



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING COLLEGE OF ENGINEERING MUTTATHARA UNDER CAPE, GOVT.OF KERALA



»»» Our 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

»»» Vision

To produce graduates in Electrical and Electronics Engineering with quality education by creating center of excellence in various domains, equip them in technical aspects to meet the industrial standards and provide an environment for quality research and continual learning in professional way to serve the society with ethical mean for the development of the nation.

»»» Mission

1. Enriching the students in technical concepts through innovative teaching methods by qualified teachers.
2. Introducing industrial based education on correlation with the regular curriculum by establishing center of excellence in various domains to meet the industrial standards.
3. Inculcating the thoughts of innovation, research and continual learning to excel the students in their field of interest.
4. Facilitating the students by creating awareness on leadership quality, professional ethics and human values in delivering their responsibilities to the society for the development of nation.

»»» 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 our 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 2022-23

On December 22nd 2022, Our EEE department association, Vidhyuth organised an inaugural ceremony. It was commenced with the welcome speech, given by Jijo Balakrishnan HOD of EEE department. The presidential address was given by Dr.C Sreekanth, principal, CEM. He shared the importance of skill oriented learning in professionally educating students. The inauguration of Vidhyuth was officially concluded by chief guest Dr. Sooraj V specialist Transportation Business Unit, TATA ELXSI with lighting the lamp. Along with the inaugural addressing, Sooraj sir shared the words of encouragement from his personal experience. The activity newsletter of 2021-2022 academic years was officially released. A copy of newsletter was handed over to librarian of CEM, Mrs Delight Vinson by assistant professor Shubin, Jyothikrishnan.s S7-EEE and Jijo Balakrishnan, HOD of EEE department. Jyothikrishnan and Shubin sir shared their experience concerning newsletter. Felicitation was delivered by Dr.Bijoy Abraham, HOD of computer science department. The Academic best performer award was distributed to the students by Sooraj sir. And recognition certificate was distributed to Ex.Office bearers of Vidhyuth by HOD Jijo Balakrishnan and Principal Dr.C Sreekanth. Announcement of new office bearers of Vidhyuth was done by Shyju Khalid, faculty in charge of Vidhyuth association and Vote of thanks was given by Neeraj S A, secretary of Vidhyuth. The invited guest Sooraj S sir directed a session on the topic "RECENT TRENDS IN ELECTRIC MOBILITY". The official inaugural ceremony reached its conclusion with the cultural programs performed by students. As a part of inaugural day celebration a technical quiz and circuit debugging competition was conducted and the winners were awarded with cash price.



»» Moments In Frames



Mastering The Fusion: »» A 2Day Hands-on Workshop on MATLAB and ARDUINO integration



Vidhyuth Electrical and electronics association of CEM conducted a two days hands-on session for fourth year students on MATLAB and Arduino on 13th and 14th October 2023. The session was guided by Renjith G senior research fellow, NIT Calicut and Kannan S A Founder and CEO, FEMTOLABS, NIT Calicut. The session started with a welcome address given by HOD of EEE department Dr. C Sreekanth sir highlighting the importance of technical workshops in B.Tech academic career. Workshop covered both practical and theoretical sides of MATLAB and Arduino in electrical vehicle application. Trainers provided the theoretical knowledge about propulsion system of electrical vehicles followed by a hands-on session on Arduino and MATLAB. The session concluded with a group of students giving their gratitude towards their instructors for giving an advanced knowledge in MATLAB and Arduino integration.



Unlocking Creativity : Arduinocraft »» Hands On Workshop On Arduino



A circuit developing and designing contest was incorporated between the session by the mentors which was won by Jagan S & Harris son of S3. A student feedback session were arranged through which students shared their experiences with the workshop which was followed by awarding the competition winners with medals and certificates. The workshop was officially concluded with a celebratory session as Makonics completed a milestone by successfully completing its hundredth workshop.

Arduinocraft was a one day hands on workshop conducted by vidhyuth association in collaboration with Makonics pvt ltd. It took place on the 21st day of november 2023. Guided by two of the most efficient representatives of Makonics pvt ltd, the workshop was felicitated by Shyju K assistant professor of EEE dept. The session commenced as Dr C Sreekanth, HOD of Electrical and Electronics department- delivered the welcome address and stressed on the importance of the requirement of practical skills in the field of engineering. The workshop started with the basic foundation that is required for any student in engineering field to learn and prepare more complex and advanced engineering applications using arduino. The mentors were able to deliver the theoretical and practical applications thoroughly to the students.



»» Orientation Programme for 1st year students

The orientation aimed to introduce 1st-year EEE BTech students to the department and college environment. Students interacted with senior members and staff, understanding the department's culture, resources, and available opportunities. A basic electrical engineering quiz in groups encouraged participation. Winners received appreciation from the Head of EEE, while fun tasks engaged the other groups, maintaining a lively atmosphere. The program successfully introduced students to the department and college environment, providing engaging sessions, activities, and networking opportunities.



»» Igniting Excellence: Vidhyuth Assn's Transformative visit

The students from fifth semester and seventh semester were visited to SMALL HYDRO ELECTRIC PROJECT PEPPARA, TRIVANDRUM during December 2023. It is situated at the bank of Karamana River. Peppara hydro power plant is running with a generating unit of 3MW. The power generated in the station is at 11kV, 50Hz and is directly connected to the 11kV dedicated feeder to 33kV Vithura Substation. We were guided by the sub-Engineer throughout the plant and explained in detail about the arrangement and order of how the process of generation of power from water occurs. It was a wonderful and informative industrial visit for all the students present.



»» Industrial Visit: Keral Transformers

The 31 students of S7 along with assistant prof. Shyju K from the Department of Electrical and Electronics visited Keral Transformers, a 4-year-old partnership firm specializing in the manufacturing of electrical equipment. Established on 02-Jun-2019, the company operates from TVM Kerala, and is classified as a Small Enterprise. During the visit, students observed the manufacturing processes at the Attingal unit, gaining insights into the production of various electrical components. Keral Transformers' commitment to quality and technological advancements was evident. The visit provided a valuable bridge between theoretical knowledge and practical applications, enhancing the students' understanding of their field.



»» Dept Of Electrical Engineering - Industrial Visit

Vidhyuth Association orchestrated a pivotal visit to Danlaw Technologies India Ltd in Goa on 10-03-2023, significantly impacting aspiring electrical engineers. This immersive experience provided students with invaluable insights into electronic manufacturing for automotive, medical, and industrial sectors. Witnessing advanced technologies in action, students gained practical knowledge, profoundly shaping their understanding of classroom theories. The visit, a catalyst for their growth, not only enhanced technical acumen but also ignited a passion for innovation. Vidhyuth Association's commitment to experiential learning is undeniably steering students toward a future of electrical excellence.



»» Soldering

Soldering competition which was conducted by electrical and electronics association as a part of college tech fest was marked as a success with several participants and neck to neck competition between all of them. this event sparked interest which ultimately contributed towards their towards their learning experiences.



«« EXPO

On April 27th 2023, The Electrical Devices Expo, organized by vidhyuth association as a part of technical fest, in collaboration with the Kerala State Electricity Board (KSEB), showcased a diverse range of electrical devices. The event, driven by student initiatives, offered knowledge about electrical devices, providing invaluable insights into practical aspects of electrical engineering. KSEB's collaboration significantly enhanced the even. The expo successfully bridged the gap between academia and industry, fostering a deeper understanding of electrical systems while inspiring the younger generation to pursue careers in the dynamic field of electrical engineering.



>>> Office Bearers Vidhyuth 2022-23

Faculty In Charge	Shyju K
President	Greeshma M.R
Vice-President	Devika S
Secretary	Neeraj S.A
Vice-Secretary	Anoop P.R
Treasurer	Devika R.S
Editors	Sona S Arul Rabiathul Adawia

>>> Farewell For Seniors



>>> Onam Celebration 2022-2023



>>> Toppers



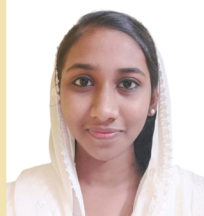
Supriya S P

CGPA-
2020-2024



Ajin P Wilfred

CGPA- 8.21
2021-2025



Irfana LM

CGPA - 8
2022-2026

>>> Batch Representatives

Johan Babu

Mohammed Anas

Adithyan M.S

Athul Krishna M

>>> From Editorial Desk

Sona S Arul S7EEE

Rabiathul Adawia R S3 EEE



It is an honor to unveil the latest edition of the Vidhyuth Association Newsletter, encapsulating the dynamic journey of 2022 and the exciting prospects that lie ahead in 2023. As we navigate the ever-evolving landscape of Electrical and Electronics Engineering, this newsletter stands as a testament to the collective brilliance and innovative spirit of our esteemed community. We showcase the exceptional accomplishments of our members, highlight ground-breaking projects, and share insights into the evolving trends in our field. Our gratitude extends to the management, staff, faculty, and students of EEE department, whose unwavering commitment has propelled us to new heights. As we celebrate our successes and embark on new endeavors, let this newsletter serve as a source of inspiration and a reflection of the collaborative excellence that defines Vidhyuth Association.