



VISWAJYOTHI

COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

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விஜயோதி

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

INSTITUTE VISION

"Moulding Professionals par Excellence with
Integrity Fairness and Human Values".

INSTITUTE MISSION

1. We commit to develop the institution as a Center of Excellence of International Standards
2. We guide our students in the attainment of intellectual and professional competence for successfully coping with the rapid advancements in technologies and the ever changing world of business, industry and services
3. We help each and every student in their personal growth into mature and responsible individuals
4. We strive to cultivate a sense of social and civic responsibility in our students, thus empowering them to serve humanity.
5. We promise to ensure a free environment where quest for the truth is encouraged

VISION OF THE DEPARTMENT

"Mould globally competent Electrical and Electronics Engineers."

MISSION OF THE DEPARTMENT

1. To provide the best academic ambience.
2. To develop technical and soft skills to cope up with the emerging global scenario.

3. To enhance knowledge by industry and alumni interaction.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering, is established in the year 2004 with well-equipped state of art laboratories. The Department has a fine blend of renowned as well as young and dynamic personalities as faculty members, who have been motivating the students for getting the best out of them. The department offers under graduate program in electrical and electronics engineering with an intake of 60 students. The department focuses on overall development of the students by encouraging them to take part in student's association activities, internships and industrial training. The department secured Five University Ranks since its inception, and the 1st Rank of 2013-'17 batch adds a jewel to its crown. The academic strength of the faculty is reflected by the alumni, many of whom are in top echelons of industry and academia both in India and abroad. The students of the department play leading roles in all the activities of the college

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NEWSLETTER

PRINCIPAL'S MESSAGE



I am very happy that our Electrical & Electronics Engineering department is releasing "Vidyuth" as a forerunner of department activities. I believe that EEE department, guided by a team of distinguished faculty members and supported by state-of-the-art facilities, will serve as a beacon of innovation and excellence.

Together, we will nurture the next generation of electrical engineers who will lead with creativity, integrity, and a deep understanding of the principles that govern their craft.

As we embark on this journey, let us remember the importance of collaboration, curiosity, and continuous learning. Let us embrace challenges as opportunities for growth and innovation. Let us strive for excellence in all our endeavours, knowing that our collective efforts will shape the future of electrical engineering and contribute to the betterment of society. I wish best of luck for all the team members for publication of newsletter.

Dr. K.K.Rajan

HOD'S MESSAGE

It is with immense pride and enthusiasm that I address you in this edition of the Electrical and Electronics Engineering Department's newsletter. As we navigate through the ever-evolving landscape of technology and innovation, our department remains committed to fostering an environment of excellence in education, research, and professional development. With our dedicated faculty, state-of-the-art facilities, and the unwavering support of our community, we continue to push boundaries and make significant strides in the field.

I encourage each of you to take advantage of the myriad opportunities available within our department. Whether you are a faculty member, staff member, or student, your contributions are invaluable, and together, we can continue to drive innovation, inspire excellence, and shape the future of electrical and electronics engineering. Thank you for your continued dedication and support.



Dr. Sony Kurian

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TECHNICAL VISITS/SEMINARS/SHORT TERM TRAINING PROGRAMMES

- Rev.Fr.Mathew Mulangacherryil conducted a talk on "Ethics in Modern World" 13th September 2023 for the first semester B-Tech students



- An Alumni interaction program was conducted as a part of Fresher's orientation programme on 14th September 2023 at R&D seminar hall. Mr Vishnu K.S. Fablab coordinator, Kerala Startup Mission gave encouraging examples from his own college life and inspired students to be a self-motivator.



- Pallivasal Hydroelectric Project is the first hydroelectric project in Kerala, India. The project consists of 2 reservoirs, 2 dams, a diversion dam and a power house and is owned by the Kerala State Electricity Board. The Pallivasal Hydroelectric Project is generating 37.5 MW of electricity using 3 turbines of 5 MW (PELTON TYPE- Escherwyss Switzerland) and 3 turbines of 7.5 MW (PELTON TYPE- Boving UK). The annual production capacity of the project is 284 million unit. Third semester students visited Pallivasal Hydroelectric Project on 3rd November 2023.



- Malankara Hydroelectric project utilizes the tail race water from the Moolamattom Power house which is stored by the dam. Three generators are installed with 3.5 Megawatt capacity each and a total of 10.5 Megawatt. The prime movers are Kaplan type turbines. The project was carried out by Public limited companies like SILK and TELK. Water at 25 Cubic meter/Second flows through a penstock which is 17.5-meter-long and 3 meter in diameter to the power house. 44 million units of electricity is produced annually. Our S6 and S8 students visited Malankara hydroelectric project as a part of their industrial visit on 12th December 2023.



STUDENT ACHIEVEMENTS IN EVENTS HELD IN/ OUTSIDE THE COLLEGE

- Mr Febin Paul (2017 Batch secured a scholarship worth 1.5 crore for pursuing Ph.d from Edinburg Napier university, U.K.



- Abhijith.V.Sajeev attended a 2 day placement preparation program on November 10th and 11th2020 organized by Indian Institute of Placement in association with Abhyuday IIT Bombay.
- Albin Niju attended a 2-day placement preparation program on November 10th and 11th2020 organized by Indian Institute of Placement in association with Abhyuday IIT Bombay.
- Albin vincent attended a 2-day placement preparation program on November 10th and 11th2020 organized by Indian Institute of Placement in association with Abhyuday IIT Bombay.
- Albin Shanty was certified by IEEE as a student member in good standing through December 2023. Denoting a personal and professional commitment to the advancement of technology.
- Albin Vincent attended the one-day workshop on Foundation of Electric and Hybrid Vehicles organosed by Tecnmaghi in association with Tryst'24 IIT Delhi on 25th November 2023.
- Devalakshmi R was certified by IEEE as a student member in good standing through December 2023. Denoting a personal and professional commitment to the advancement of technology.
- Devalakshmi R was certified by IEEE Power and Energy Society as a student member in good standing, denoting a personal and professional commitment to the advancement of technology
- Merin Chacko completed a course on " PH278.Ax: The Health Effects of Climate Change" a course of study offered by HARVARDX, an online learning initiative of Harvard University.
- Merin Chacko completed a course on " eCARS03xElectric cars : Business" a course of study offered by DelftX, an online learning initiative of Delft University of Technology.

INVITED TALKS / GUEST LECTUTERS

- On 26th September 2023, a seminar on High Voltage Equipment Monitoring program was conducted by Mr. Anoop B, KSEB Equipment Testing Assistant Engineer. The programme primarily centred on insulator-related topics, emphasizing their crucial role in high voltage systems. Participants were provided with insights into various insulator types and their significance in electrical networks.



- On 9th November 2023, a seminar on "Opportunities in Marine Engineering" was conducted by Mr. Robin Tomy, Electro Technical Officer Merchant Navy. The programme focused on career

opportunities of electrical engineers in Merchant Navy. Operation and maintenance of electrical equipment on board, management of power generation and distribution systems was discussed in detail. Following the theoretical segment, a question and answer session was conducted, allowing participants to seek clarification, further information, and discuss any queries related to marine engineering.



➤ TRAINING PROGRAMMES ORGANIZED OUTSIDE AND ATTENDED BY THE DEPARTMENT FACULTY

- Dr. Sony Kurian attended faculty development programme on "Fundamentals. Advancements and applications of robotics conducted by the Department of Mechanical Engineering, Vignan institute of technology and science from 12th September 2023 to 16th September 2023.
- Ms.Cini.K attended faculty development programme on "Fundamentals. Advancements and applications of robotics conducted by the Department of Mechanical Engineering, Vignan institute of technology and science from 12th September 2023 to 16th September 2023

ANY OTHER DEPARTMENT EVENTS / INFORMATION

VIDYUTH '22

- The association activities for the year was inaugurated by Mr.Ravindranath .A.V CEO & Co founder, Innovature & Pinmicro on November 20th 2023. CEO of India and EMEA at Pinmicro (a leading provider of IoT and RTLS solutions for various industries), and also the co-founder at Innovature (a global IT software development and technology consulting firm). Governing council member of Indo-Japan Chamber of commerce. Regional council member of NASSCOM.



- A technical talk on the 'Entrepreneurship in a fast-paced technology world- Opportunities, Challenges, Success and Growth was delivered by Mr. Ravindranath.A.V. he said entrepreneurship in a fast-paced technology world requires a combination of vision, resilience, innovation, and strategic execution to seize opportunities, overcome challenges, achieve success, and sustain long-term growth.



CURRENT PLACEMENT STATISTICS OF 2019-23BATCH

Sl.No.	Student	Company
1.	Basil Scaria	Sutherland
2.	Edwin Vincent	Sutherland
3	Athul Satheesh	Sutherland
4	Merin Chacko	Sutherland
5	Austine Prakash	Sutherland

UNIVERSITY EXAM RESULT

Batch	Class	No. of Students Appeared	Pass Percentage
2019-2023	S8	29	86.21
2020-2024	S6	23	43.47
2021-2025	S4	18	58.87
2022-2026	S2	34	60.6

Faculty Editor
Ms. Smitha Jacob
Assistant Professor