



VISWAJYOTHI

COLLEGE OF ENGINEERING & TECHNOLOGY

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

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Jan-June 2024

Vol : 16

Issue : 2

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.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Graduate shall have

1. The foundation in mathematical, analytical and scientific skills to design technically and economically viable engineering solutions.
2. The culture and attitude of team work, to help in upbringing socially committed Entrepreneurs engaged in lifelong learning.
3. Professional communication skills, social values and work ethics.

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

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 undergraduate 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

TECHNICAL VISITS/SEMINARS/SHORT TERM TRAINING PROGRAMMES

- A seminar on Career Guidance in Electrical Engineering was conducted on 4th April 2024 by Er.Akhilesh Kumar, Senior MEP Engineer, MTTC International LLC.



- A training program on CAD was conducted by Mr Sijo and team on 7th March 2024.



STUDENT ACHIEVEMENTS IN EVENTS HELD IN/ OUTSIDE THE COLLEGE

- Abhijith.V.Sajeev completed a course on Basics of Python by Infosys/Springboard on February 2nd 2024.
- Benjmain J attended one day workshop on the "Basics of AutoCAD & SketchUP organized by Techmaghi in association with KSHITIJ, IIT KHARAGPUR on 14th January 2023.
- Benjamin.J completed a course on Data Visualisation using Python' by Infosys/Springboard on February 11th 2024.
- Edwin Vincent completed a course on 'Python for Data Science' by Infosys/Springboard on February 5th 2024.
- Edwin Vincent completed a course on Basics of Python by Infosys/Springboard on January 29th 2024.
- Muhammed Mishal completed a course on Basics of Python by Infosys/Springboard on February 27th 2024.
- Muhammed Mishal completed a course on Data Visualisation using Python' by Infosys/Springboard on February 27th 2024
- Sahir Ibrahim completed a course on Basics of Python by Infosys/Springboard on February 27th 2024,
- Sahir Ibrahim completed a course on Data Visualisation using Python' by Infosys/Springboard on February 27th 2024

INVITED TALKS / GUEST LECTUTERS

- World Engineering Day for Sustainable Development is observed annually on March 4. This day was declared by the United Nations Educational, Scientific and Cultural Organization (UNESCO) to celebrate the vital role of engineering in addressing global challenges, particularly in achieving sustainable development. In connection with this the department organized an invited talk by Mr. G. Krishnakumar,



National General Secretary SEEM on 4th March 2024. The day highlights how engineering innovations can contribute to solving pressing issues such as climate change, poverty, inequality, and the need for clean water, energy, and infrastructure. It serves as a platform

to promote the importance of engineering and the work of engineers in creating a more sustainable and resilient world for future generations. The speaker talked about Sustainable technologies – Innovations in clean and renewable energy, green building practices, and resource-efficient technologies. Inclusive development – Engineering solutions that address the needs of disadvantaged or underserved populations. Global collaboration – The importance of engineers working together across borders to solve global challenges. Promoting STEM – Encouraging the next generation of engineers, particularly from diverse backgrounds, to enter the field of sustainable development. World Engineering Day for Sustainable Development helps raise awareness of the transformative power of engineering in building a sustainable and resilient future.

ANY OTHER DEPARTMENT EVENTS / INFORMATION

- The Valedictory function of add on course for 2024-2025 B-Tech Electrical and Electronics Engineering Graduates on "Electrical Engineering Practices in Industry" was conducted on 10th May 2024 by Dr.K.K.Rajan, Principal, VJCT. The course was conducted from 11/10/23 to 23/2/24 with 23 students. The course included industrial visits to Kaiga Nuclear Power Project and 110kV substation. As a part of add on course in electrical and electrical engineering, the eighth semester students of Electrical and Electronics Engineering Department of Viswajyothi College of Engineering and Technology also visited and studied about the 50 kWp solar power plant with in the campus on 9/3/2024.



- The department conducted Bodhi'24 with various technical events on 28th – 29th February, 2024. The motive of this event is to develop coordination skills of students and to expose them to the current trends in the technical and professional fields. The department coordinators were Arjun M Anil and Anupama Krishna J of S6 EE.

POSTER EXHIBITION

- The Department of Electrical and Electronics Engineering organised poster exhibition for students on innovative ideas on 29th February 2024. The major objective of organizing this exhibition was to provide

the platform and unleash the potential of the students by showcasing their innovative ideas in the final year either focusing Industry Defined Problems or User Defined Problems. The outcome of the poster exhibition was that the students were able to show their project/ideas at higher level and the process boosted their confidence. The exhibition was coordinated by faculty coordinators Ms. Cini K and Ms. Smitha Jacob, and student coordinators Albin N Tomy and Ashish Benny, S6 EEE. Dr. Shunmugesh K, H.O.D, Mechanical Engineering and Dr. Sony Kurian, H.O.D, Electrical and Electronics Engineering marked their presence as jury. Total 7 teams participated in the program and the first prize (Rs. 2500) was given to team of Nandu Dileep and Muhammed Mishal of S8 EEE. The second prize (Rs. 1500) was given to team of Nevin Vinod and Alan Vincent of S6 ECE, and team of Edwin Vincent and Sibin Savio of S8 EEE won third prize (Rs. 1000)



KURUKSHETRA - BEST ENGINEER KURUSHETRA

Best Engineer was organised on 28 th February 2024 under the coordination of Ms. Mereya Baby and Mr. Babu T Chacko, and student coordinators Jitha Mariya Sabu, Aswathy M and Avani P B of S6 EEE. 21 teams with total 41 participants took part in the contest. The event was conducted at electrical digital lab and workshop at 11:30 am. The first



round composed of objective type questions. In the second round, participants were tasked to solve a technical crossword puzzle. In the third round, participants were asked to design a wiring circuit and implement it. First Prize (Rs.3000): Khadeeja Abdul Rahman and Anstiya Shibu of S4 EEE; Second Prize (Rs.2000): Albert Shaju and Vyshnav K R of S6 ME; Third Prize (Rs. 1000): Edwin Vincent and Sahir Ibrahim of S8 EEE

DIGITAL QUEST- TECHNICAL CASH HUNT

Technical Cash Hunt was organised on 29 th February 2024 coordinated by Alvin Paulose and Amjith A of S6 EEE under Mr. Dileep Kumar P. Total 47 teams took part in the contest. First Prize (Rs.3000) : Basil Joy and Amaljith Jaison of S6 AD.



KALIYUGA - BUZZ WIRE TRACER

Buzz Wire Tracer was organised on 28th and 29th February 2024 coordinated by Arjun M Anil, Haripriya M R and Swathy M of S6 EEE under Mr. Biju Joseph. Total 62 external teams took part in the contest conducted at front of B block lobby.



EL DORADO - TECHNICAL TREASURE HUNT

El Dorado - Technical Treasure Hunt was organised on 28 th February 2024 coordinated by Gautham Gopi and Akshay Shaijan of S6 EEE under the guidance of Mr. Dileep Kumar P. 22 teams with total 42 participants took part in the contest. It was a technical treasure hunt, where first hint will be given to all participating teams and teams have to search for remaining hints and explore the treasure. All the teams were gathered at C-Block lobby. Coordinators explained the rules and regulations of the game and 1st clue was given. All teams proceeded for finding further hints and end of competition was at the Electrical Machines Lab.



Faculty Editor
Ms. Smitha Jacob
Assistant Professor