



POWER

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



ADITYA ENGINEERING COLLEGE (A)

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ABOUT ELECTRICAL DEPARTMENT

Established as one of the major departments of the Institute, the Department of Electrical and Electronics Engineering at Aditya strives to produce highly competent engineers equipped with advanced professional knowledge, entrepreneurial thinking, professional and ethical attitude, critical problem solving and analytical skills through effective teaching learning process, research and industrial collaboration.

The faculty of the department, a rich blend with academic and industrial experience, have been constantly carrying out research on many cutting-edge technologies with regular publications in ELSEVIER and other top international journals. The academic quality of the department is reflected by the laurels won by the students and the distinguished positions in industry and academia occupied by alumni.

The department strives to upgrade the knowledge of faculty and students by organizing various Workshops, Industry-Institute Interactions, Continuous Improvement Programs inviting eminent personalities from Industry and academic Institutions, Seminars and Research activities. Students are provided internship programs in various power plants and industries like Reliance, SAIL, HPCL, GMR, GVK, VTPS, Vizag steel plant, ONGC, APGPCL, APEPDCL etc.

The department spares no expense to equip the labs with latest equipment like Three phase AC Integrated Machine, DC Integrated Machine, Wireless Transmission of Electric Power using Tesla Coil and technical software like MATLAB & P-Spice.

VISION OF THE DEPARTMENT

To excel in electrical education, research, and technology in tune with societal needs.

MISSION OF THE DEPARTMENT

MISSION 1

Impart quality education and entrepreneur skills.

MISSION 2

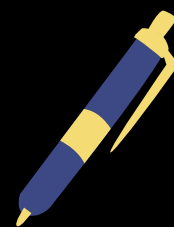
Provide cutting edge technologies for research and sustainability in collaboration with industry.

MISSION 3

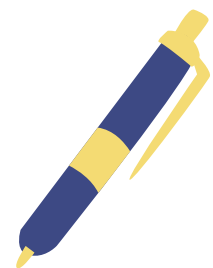
Nuture professional ethics and lifelong learning in tune with societal needs.



GUEST LECTURE



GUEST LECTURE ON RESEARCH METHODOLOGY



On 29th march Guest Lecture on Research Methodology is conducted to third year students. There students learned about the specific procedures and techniques used to identify, select and process to analyze information about topic .



GUEST LECTURE ON TECHNIQUES IN POWER ELECTRONIC SYSTEMS



on 30th march the guest lecture on techniques in power electronic systems was conducted to third year students. In the session students learned about the application techniques to control and conversion of electric power.



Power Grid 765/400 KV (GIS) Sub-Station Vemagiri

INDUSTRIAL VISIT



INDUSTRIAL VISIT

by 2nd year students

On 12th & 13th March 2nd year students went to INDUSTRIAL VISIT for visiting the Power Grid 765/400 kv GIS Sub-Station at Vemagiri, Surampalem as part of the curriculum.

There they interacted with their staff and their staff MR.VEERENDRA explained all about the substation, Importance GIS SUB-STATION. Why GIS-SUBSTATION is preferred and constructed rather than AIS. Working of GIS compared to AIS. How POWER GRID CORPORATION OF INDIA is making the power distribution from generation locations to load location using various types of SUB-STATIONS.

It had motivated both students and teachers in participation. A total of 85 students had become parts of it 45 from 2nd year A section and 40 from 2nd year B section on their respective dates 12th & 11th March 2022.



WHAT IS IEEE SOCIETY

The Institute of Electrical and Electronics Engineers, also known as IEEE, is the world's largest technical professional organization for the advancement of technology. It has more than 400,000 members in over 160 countries, and its mission is to promote technological innovation and excellence for the benefit of humanity.

IEEE has played a critical role in the development and advancement of science and engineering for over a century. Its members include engineers, scientists, and other professionals who work together to solve some of the world's most pressing technological challenges. The organization's activities and initiatives are focused on four main areas: publications, conferences, standards development, and education.

Publications IEEE publishes more than 170 journals, magazines, and transactions that cover a wide range of technical topics, including aerospace, biomedicine, communications, computing, and more. These publications provide researchers and professionals with access to the latest research and developments in their respective fields, facilitating innovation and collaboration.

Conferences IEEE organizes over 1,600 conferences and events each year, bringing together experts and professionals from around the world to share their research, knowledge, and ideas. These conferences provide opportunities for networking, collaboration, and learning, enabling the advancement of technology in various industries.

Standards Development IEEE is also responsible for developing technical standards that ensure the safety, reliability, and interoperability of various technologies. These standards are developed by technical committees made up of experts in their respective fields and are used by industries worldwide to promote innovation and maintain quality.

Education Finally, IEEE is committed to promoting education and lifelong learning for professionals in science and engineering. It offers a variety of resources and programs, including online courses, certifications, and professional development opportunities, to help professionals stay up to date with the latest advancements in their field.

IEEE STUDENT BRANCH INAUGURAL EVENT



IEEE -Institute of Electrical and Electronics Engineering. Which was Founded on January 1st 1963,59 years ago. It mainly focuses on- Electrical, Electronics, Communication, Computer Engineering, Computer science and Information Technology. The Foundation for IEEE are Stephen Welby(Executive director of coo), K. J. Ray Liu(President &CEO).

With the help and the guidance by our hod sir our students started becoming the part of IEEE society and the started to form a student branch in the IEEE society. As Student Branches of IEEE provides student branches as a networking opportunity to meet and learn from fellow students, as well as faculty members and professionals in the field to share their interests, future professions and ideas. In addition to improving their skills

To guide and encourage the students the IEEE VIZAG BAY Section had decided and planned an inaugural event and a workshop on . In this event Prof. Lakshmi Narayana S, Chair, IEEE Vizag Bay Section & Principal Scientist, CSIR-NIO Vishakhapatnam, Dr.V.Sandeep Chair-PES/IAS/PELS jt Chapter, IEEE Vizag Bay Section, IEEE brand Ambassador & HoD, Department of Electrical Engineering NIT AP, Dr.D.N.D.Harini SAC Chair, IEEE Vizag Bay Section& HoD Dept of CSE, Gayatri Vidya Parishad College of Engineering (A),AP.

These three had participated in the event on behalf of the IEEE society and how one can be benefited by membership of IEEE. The workshop is based on the “Operations of IEEE Student Branch”.



PHOTOGRAPHY



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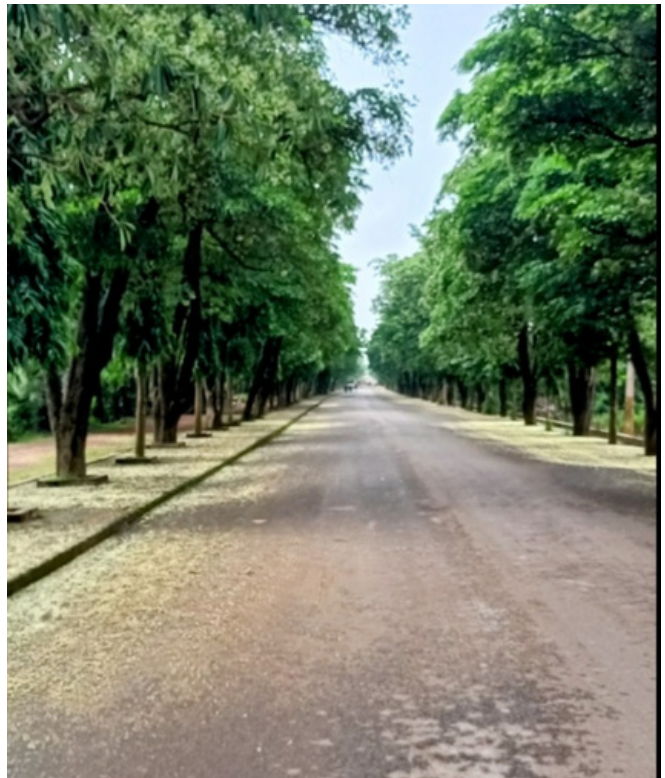


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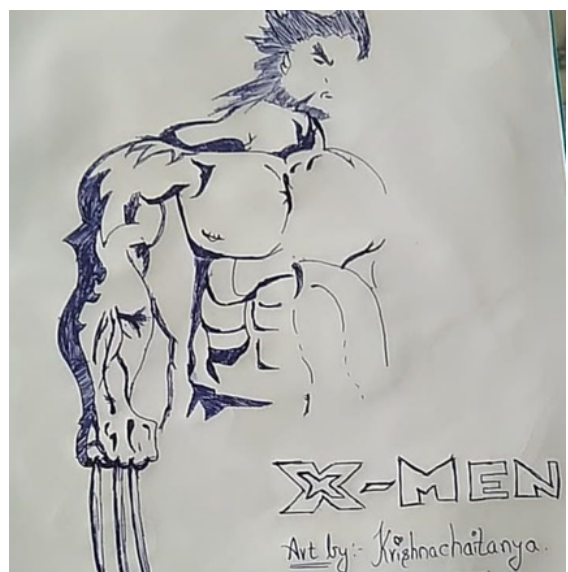
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