



AMPERE

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



ADITYA ENGINEERING COLLEGE (A)

APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO JNTUK

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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.

PUBLICATIONS

Sl. No.	Name of the Faculty Author	Title of the Paper	Name of the Journal	ISBN/IS SN Number	Vol/ Month	Index No UGC/ Scopus
1	Dr. SAJJAN KUMAR	Horse herd optimization algorithm for economic dispatch problems	Engineering Optimization	0305215 X.2022.2 035378	22-Mar	International Journal: (With Impact Factor)
2	Dr. BAPAYYA NAIDU KOMMULA	Design of MFA-PSO based fractional order PID controller for effective torque controlled BLDC motor	Computers and Electrical Engineering	S221313 88210065 85	Vol.49, April-22	Scopus Indexed International Conferences
3	Dr. ASWINI KUMAR MUTHA VARAPU	A reconfigurable integrated level shifted carrier based PWM method for modular multilevel converters	IEEJ Transactions on Electrical and Electronic Engineering	tee.2360 6	22-May	International Journal: (With Impact Factor)
4	Dr. ASWINI KUMAR MUTHA VARAPU	An Efficient Sorting Algorithm for Capacitor Voltage Balance of Modular Multilevel Converter With Space Vector Pulsewidth Modulation	IEEE Transactions on Power Electronics	9738464	22-May	International Journal: (With Impact Factor)
5	Mr. RAMBABU KASUKURTHI	Exhibiting the effect of AVR coupling on the performance of LFC in multi area hybrid power system	International Conference for Emerging Technology (INCET)	978-1-6654-9499	May 27-29, 2022	10.11 09/INCET 54531. 2022 .9824 930

GUEST LECTURES



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.

INDUSTRIAL VISIT

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



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.



IEEE STUDENT BRANCH INAUGURAL EVENT & WORKSHOP



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”.



TRAINING PROGRAMMES ORGANIZED

S.No	Title of the programme	Target Audience	No. of participants	Date	Resource Person (Name, college, Designation, Specialization)
1	FDP on Role of Power Electronics & Advances In Infrastructure for E-Mobility in India	Teaching Staff	31	07-03-2022 to 11-03-2022	Dr. G.V.E Satish Kumar , Professor, NIT Allahabad 2. Dr. S.Rama Reddy, Professor, Jerusalem college of Engineering, Chennai
2	Seminar on Recent Trends in Power Electronics, controllers and power systems	Non-Teaching Staff	15	04-04-2022 to 04-04-2022	Dr. Sajjan Kumar, Asst. Professor, Aditya Engineering College(A)

PLACEMENTS

S.NO	ROLL NUMBER	NAME OF THE STUDENT	COMPANY NAME	SALARY PACKAGE
1	18A91A0292	Vattem Ramanjaneyulu	Mindtree	4.00 LPA
2	18A91A0293	Veerella Pavan Deepak	Capgemini	4.00 LPA
3	18A91A0296	Nitish Nonia	Surya Tech Solutions	3.00 LPA
4	19A95A0201	Gundala Kranthi Kumar	Wipro	3.75 LPA
5	19A95A0202	Marise Rohith Kumar	Hyoseong Electric	1.86 LPA

PLACEMENTS

6	19A95A0206	Pachipala Siva	Bosch Global Software	5.00 LPA
7	19A95A0207	Vedullapalli Hemanth Kumar	Mediamint	3.10 LPA
8	19A95A0208	Kollati Suryaprakash	Bosch Global Software	5.00 LPA
9	19A95A0209	Mallidi Sai Vinay Kumar Reddy	Bosch Global Software	5.00 LPA
10	19A95A0210	Veeravalli Sai Sirisha	Zelf Studie	6.00 LPA
11	19A95A0211	Mediseti Darsitha	Wipro	3.75 LPA
12	19A95A0213	Muramalla Pravallika	KPIT	4.00 LPA
13	19A95A0215	Patala Sreekanth	Wipro	3.75 LPA
14	19A95A0216	Sheik Sathik	Wipro	3.75 LPA
15	19A95A0217	Veerada Sai Phani Kumar	Miracle Software Systems	2.46 LPA
16	19A95A0219	Uppu Jogeswar Sai Mallik	Hyoseong Electric	1.86 LPA
17	19A95A0220	Ruthala Mani Kumar	Zelf Studie	6.00 LPA
18	19A95A0222	Purusottam Vasistakanth	ATOS Global	3.10 LPA
19	19A95A0224	Kamana Mohan Krishna	Zelf Studie	6.00 LPA

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