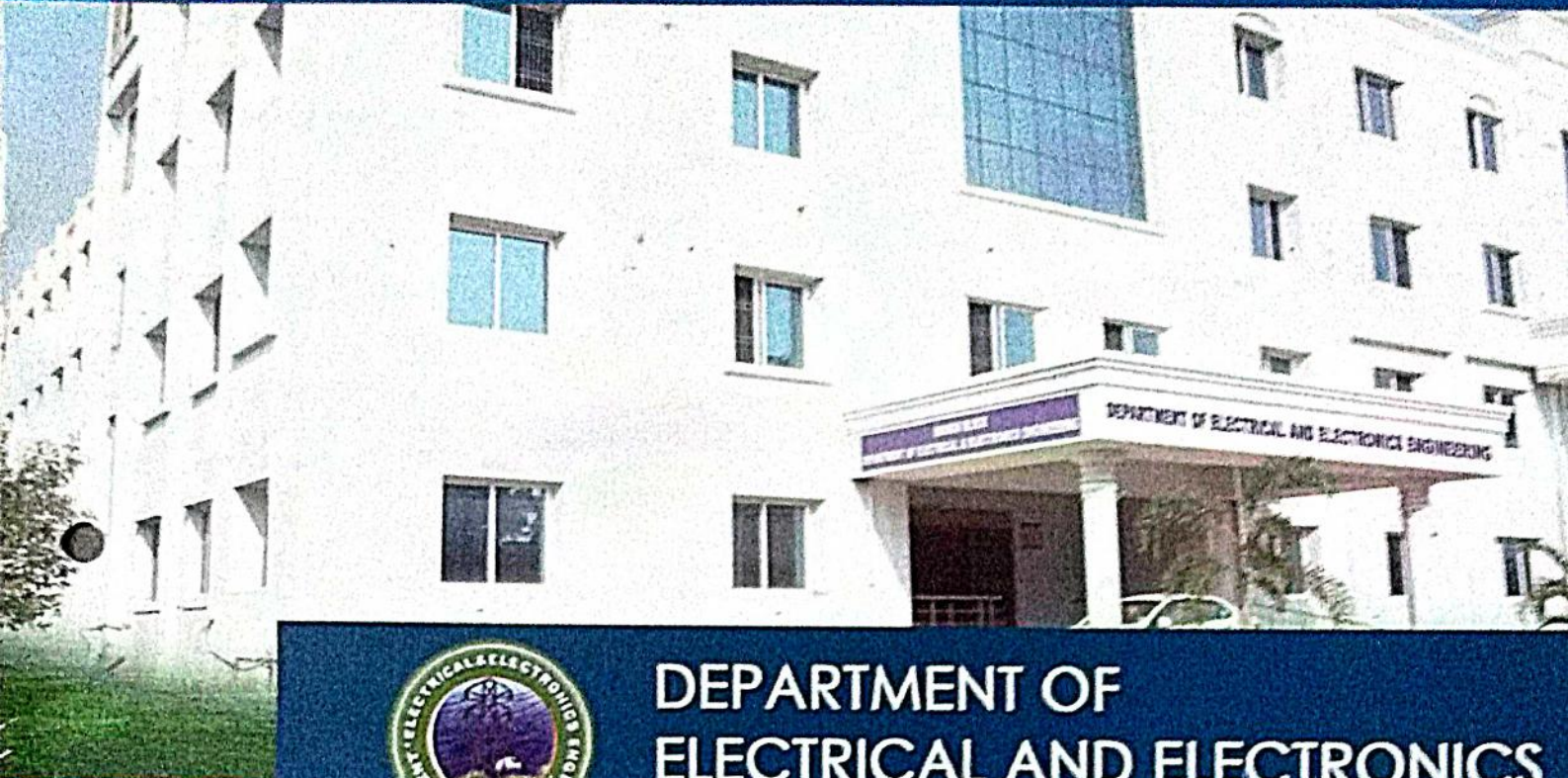




ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Vision

We envision the department as one of the best in the region with a stimulating environment to make an impact on, and lead in the field through its education and research.

Mission

"The mission of the department is to provide an excellent and comprehensive education in the field of electrical and electronics engineering which in turn mould students for a wide range of careers and to exhibit a high level of professionalism, ethical behavior and social responsibility.

Programmes offered

Undergraduate

B.Tech in Electrical and Electronics Engineering

Annual Intake : 180

Admission through AP-EAMCET

Postgraduate

M.Tech in Electrical PowerSystem,
Annual Intake : 30

M.Tech in Electrical PowerEngineering
Annual Intake : 36

Admission through AP-PGECET

About the Department

The Department is headed by **Dr. M. Padma Lalitha**, M.Tech, Ph.D

The Department offers one Under-Graduate programme (B.Tech), two Post-Graduate programmes (M.Tech, in Electrical Power Systems and Electrical Power Engineering)

The faculty members have strong sense of responsibility to provide the finest possible education for both under graduate and Post graduate students. The major expertise areas of faculty are in Multi-Level Inverter, Smart Grid, Distributed generation, Renewable Energy, drives, Model Predictive Controller etc.,

The department has framed the syllabus for the students kept in view to achieve the vision & mission, Program Educational Objectives & Program Outcomes are framed accordingly



HOD & Professor

Department of Electrical & Electronics Engineering
Anna University, Chennai
Office: Room No. 101, 10th Floor,
Anna University, Chennai - 600 025

Program Educational Objectives of EEE Program

- PEO1: To experience success in Electrical & Electronics Engineering and other diverse fields that require analytical and technical skills.
- PEO2: To prepare students to identify and implement global, societal needs and constraints in designing new technology/product and follow professional ethics.
- PEO3: To inculcate in students professional attitude, effective communication skills and leadership qualities to succeed in multi-disciplinary teams.
- PEO4: To promote students to pursue professional development by continuous learning relevant to their career.

Program Outcomes

- a) An ability to apply knowledge of mathematics, science, Computer Science, electronics and electrical engineering
- b) An ability to design electrical and electronics circuits and conduct experiments with electrical engineering as well as to analyze and interpret data.
- c) An ability to design digital and analog system pertaining to electrical systems.
- d) An ability to visualize and work on multi-disciplinary tasks.
- e) An ability to identify, formulate and solve engineering problems.
- f) An understanding of professional and ethical responsibility
- g) An ability to communicate effectively in both verbal and written form.
- h) An ability to develop confidence for self-education and to understand the value of life-long learning.
- i) An ability to recognize the impact of engineering on society.
- j) An ability to acquire new knowledge to use modern engineering tools, softwares and equipments to analyze problems necessary for engineering practice.
- k) A knowledge of contemporary issues to undertake innovative projects.
- l) An ability to use the techniques and skills to face and succeed in competitive examinations like GATE, GRE, TOEFL, GMAT etc

Laboratories

The laboratories are well equipped with state-of-art equipments to meet the growing needs of the industry

1. Electrical Circuits & Simulation laboratory
2. DC Machines laboratory
3. AC Machines laboratory
4. Electrical Measurements laboratory
5. Control Systems & Simulation laboratory
6. Power Electronics & Simulation Laboratory
7. Power System Simulation Laboratory
8. Electrical Engineering & Electronics Engineering Laboratory
9. Machines & Power systems Laboratory

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Workshops

1. EEE Department has organized a two days Workshop on "Design and Installation of 100Kwp Grid tied Solar PV Power Plant" during 20th and 21st Sep 2017 at Smart Class room, Edison Block, for II EEE students. Mr. M. Hemanth Kumar, Tech & Marketing Manager, Sirius Solar Energy System Pvt. Ltd. acted as Resource Person. Mr. N. SreeRamula Reddy and Mr. M. Ramesh, Asst Profs, acted as Coordinators to this Workshop.



2. EEE Department has organized a Five days Workshop on "Applications of IOT in Electrical Engineering" during 22nd to 26th Sep 2017 at Smart Class room, Edison Block, for III EEE students. 77 Students attended to this workshop. Er. Devendra, Tech Head & Research Engineer and Er. Ritesh, Project Engineer, Technologics, Pvt.Ltd acted as Resource Persons. Mr. M. Pala Prasad Reddy, Mr.S.S.Deekshith, Mr. N. SreeRamula Reddy, Mr. M. Sai Sandeep Asst Profs acted as Coordinators to this Workshop.



SHORT TERM TRAINING PROGRAMS:

1. EEE Department has organized a Two week ISTE STTP on "Electric Power systems" from 12th June to 15th July 2017 at the Smart Class room, Edison Block, in collaboration with IITKharagpur for the Faculty members from different colleges. Faculty from EEE department attended to this FDP. Dr.PB.Chennalah, Assoc. Professor acted as Coordinator to this Workshop.

2. EEE Department has organized Five days STTP on "Hardware In Loop For Smart Grid Applications through ICT" from 09th Oct to 13th Oct 2017 at the Smart Class room, Edison Block, in collaboration with NIT, Chandigarh for the Faculty members from different colleges . Faculty from EEE department attended to this STTP. Mr.O.Hemakesavulu, Assoc. Professor acted as Coordinator and Mr.S.Muqthiar Ali acted as Co-Coordinator to this Workshop.

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Guest Lectures:



1. Er.Damodar,ADE,APSPDCL has delivered a Guest Lecture on the topic "Smart Grids" on 08th Sep 2017 at the Smart Class Room, Edison Block. All IV EEE students attended to this Guest Lecture which is organized by EEE Dept, AITS Rajampet. Dr.PB.Chennaiah, Assoc. Professor acted as Coordinator to this Guest Lecture.

2. Mr.B.Sreenivasula Reddy,Scientific Officer ,BARC, Kalpakam,Tamil Nadu has given a Guest Lecture on the topic "Nuclear Power Plant Operation" on 13th Oct 2017 at the Smart Class Room, Edison Block. All III EEE students attended to this Guest Lecture which is organized by EEE Dept,AITS Rajampet. Dr.PB.Chennaiah, Assoc. Professor acted as Coordinator to this Guest Lecture.

3. Dr.B.Ravi Kumar, Assistant Professor, IIT Hyderabad has given a Guest Lecture on the topic "Power Systems Protection" on 24th Oct 2017 at the Smart Class Room , Edison Block . All IV EEE students attended to this Guest Lecture which is organized by EEE Dept, AITS Rajampet. Dr.PB.Chennaiah, Assoc. Professor, acted as Coordinator to this Guest Lecture.



AWARENESS PROGRAM:

All the Faculty members of EEE Dept have attended an Awareness Program on OBE addressed by Dr.N.Mallikarjuna Rao, Coordinator, IQAC Cell, AITS Rajampet at the conference hall Main Block.

CAMPUS PLACEMENT :



Ms.T.Sai Jayasri(14701A0282) and Mr.V.Harish(14701A0227) students of IV EEE selected for GJK Technologies Hyderabad.Dr.M.Padma Lalitha,HOD EEE and other faculty members congratulated them on her selection .

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PROFESSIONAL TALK:

1. Dr.Chandrakanth Pithawa, Padmashree awardee, BARC, Mumbai has given a professional Talk on "About Teachers" at the AITS Gallery on 05/09/2017.All the EEE Faculty members have attended to this Professional Talk.

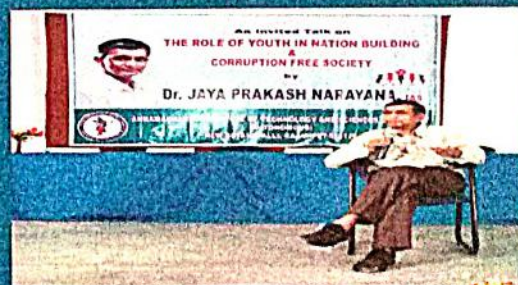
2. Dr.YagnaSwami Sundara Rajan, Padmashree awardee, Scientist, Writer, Researcher has given a professional Talk on "Future: For India and Indians" at the AITS Gallery on 10/10/2017.All the EEE Faculty members and Students have attended to this Professional Talk.



3. Mr.Shrinivas Narayan Bairi, Senior Director. Intel Corporation has given a professional Talk on "Pursuing PhDs-Shaping Up Career" at the Smart Class Room, Edison Block on 28/10/2017.All the EEE Faculty members who are pursuing their PhDs have attended to this Professional Talk.



4. Dr.Jaya Prakash Narayanan, EX.IAS Loksatta party Founder has given a professional Talk on "The Role of Youth in Nations Building and Corruption free Society" at the AITS Gallery on 25/11/2017.All the EEE Faculty members have attended to this Professional Talk.



INDEPENDENCE DAY CELEBRATIONS:

On the account of Independence Day celebrations, EEE Association has conducted the following events. Students from all years participated in all events actively and the events winners are:

DATE	EVENT	WINNERS	
22-07-2017	Essay writing	I prize winner: Y.Haritha (15701A0222)	II prize winner: N.Bhanusri (15701A0206)
25-07-2017	Elocution	I prize winner: P.Leelavani (15701A0236)	II prize winner: B.Sai Mohan Reddy (15701A02B0)
26-07-2017	ELRT	I prize winner: G.Maneesha (14701A0254)	II prize winner: B.Janardhan (14701A0234)

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FACULTY and STUDENTS PARTICIPATION IN VARIOUS WORKSHOPS/FDPS:

1. Mr.O.Hemakesavulu, Assoc Prof, Mr.P.Suresh Babu, Mr.K.Harinath Reddy and Mr.R.Madhan Mohan, Asst Profs EEE Dept. have attended a QIP Short term Course on "Power System Stability & Control in Smart Grid architecture" at Dept of Electrical Engg IIT (BHU), Varanasi during 03/07/17 to 08/07/17.
2. Mr.O.Hemakesavulu, Assoc Prof, Mr.C.Ganesh,Asst Professor have attended a Two days National Level Workshop on "Renewable Energy systems & Trends" REST-2017 at G.Pulla Reddy Engg College ,Kurnool during 28/07/17 to 29/07/17.
3. Mr.O.Hemakesavulu, Assoc Prof, Mr.L.Baya Reddy, and Mr.K.Sreedhar, Asst Profs EEE Dept. have attended a National Level Workshop on "Popularisation of Remote Sensing Based Maps and Geospatial Information" at the Eklavya Centre PG Block organized by Indian Society of Remote Sensing Day on 11/08/17.

FACULTY SEMINARS:



1. Mr. S.Sagar Reddy, Asst Professor, Dept of EEE has presented a seminar on the topic "MHD Technology" on 9th Aug 2017 at the Smart Class room Edison block from 4.45 pm onwards. All the faculty members of EEE attended to this seminar.
2. Mr. B.Madhu Sudhan Reddy, Assistant Professor, EEE Dept has presented a seminar on "SOLAR TREE" on 21/08/2017 at the Smart Class room Edison block from 4.45 pm onwards. All the faculty members of EEE attended to this seminar.
3. Mr.A.Bhaskar, Assistant Professor, Dept of EEE has given a seminar on the topic "ALW Drones" on 13th Sep 2017 at the Smart Class room Edison block from 4.45 pm onwards. All faculty members of EEE attended to this seminar.
4. Mr.P.Shahir Ali Khan, Assistant Professor, Dept of EEE has given a seminar on the topic "Solar Car" on 04th Oct 2017 at the Smart Class room Edison block from 4.45 pm onwards. All faculty members of EEE attended to this seminar.
5. Dr.PB.Chennaiah, Associate Professor, Dept of EEE has given a seminar on the topic "Fault Analysis using PSCAD Software" on 16th Oct 2017 at the Smart Class room Edison block from 4.45 pm onwards. All faculty members of EEE attended to this seminar.
6. Mr.K.Harinath Reddy, Assistant Professor, Dept of EEE has given a seminar on the topic "Smart Grid Architecture & Journey till date in India" on 06th Nov 2017 at the Smart Class room Edison block from 4.45 pm onwards. All faculty members of EEE attended to this seminar.
7. Mr.C.Ganesh, Assistant Professor, Dept of EEE has given a seminar on the topic "Power Semiconductor Devices-the Choice of Selection" on 13th Sep 2017 at the Smart Class room Edison block from 4.45 pm onwards. All faculty members of EEE attended to this seminar.

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INDUSTRIAL VISITS BY STUDENTS:

All the III EEE Students visited "Srisaillam Power Plant" as a part of Educational Tour on 20/9/2017. Mr.P.Bhaskara Prasad, Mr.P.Suresh Babu, Mrs.S.Sarada, Mr.C.Ganesh, Mr.K.Sreedhar and Mr.S.Sagar Reddy guided the students. There Power plant Engineers has explained about the Power Plant.

GRADUATION DAY:

All the 2016-17 passed out EEE Students have received their certificates at the Graduation day held at the Quadrangle Main Block on 01/07/2017. Dr.Govindarajulu, Principal, JNTUCE Pulivendula attended as the Chief Guest.



FRESHERS DAY CELEBRATIONS:

All the II EEE students has given Fresher's Party to the I EEE students on 12/09/2017 at the AITS Gallery. Mr.A.Rajeswar Rao, Alumni of AITS, Deputy Manager, EHS Dept. Bharathi Cement acted as a Chief Guest. Dr.SMV Narayana, Principal, Dr.M.Padma Lalitha, HOD and other faculty members attended to this celebrations.



Essay Writing:



N.Bhanusri (IIII EEE) and S.Anusha(III EEE) has won first prize and third prizes respectively in the Essay writing competition conducted as a part of "Rhasriya Ekta Divas" on Oct 31st by the ISTE Chapter. Mr.O.Hemakesavulu, Assoc Prof acted as ISTE Coordiantor for EEE Dept.

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EEE Association Events:

Memory Game:

EEE-Association has conducted Memory Game on 01/08/2017 for interested EEE students. Among 35 students participated in this event final winners are (1) A.Purna Sahiti (15701A0258) (2) K.Manoj Kumar (15701A0241) and (3) G.Jayasree (15701A0230).

Quiz:

EEE -Association Conducted a Quiz on Freedom Fighters for all EEE students on 09/08/2017 at Shortlisted students are divided in to 11 batches 4 per each batch from all sections are participated in this event final winners are

WINNERS		RUNNERS	
S.Anusha	(15701A0202)	P.Sreenivasulu Reddy	(15701A0289)
P.Chamanthi	(15701A0208)	K.Ramajayanth Reddy	(15701A0263)
Y.Haritha	(15701A0222)	K.Ravindra Reddy	(15701A0266)
B.L.Pravallika	(15701A0235)	P.Uday Kumar Yadav	(15701A02B3)

Film Quiz:

EEE-Association has conducted Film Quiz for all EEE students on 23/08/ 2017. Nearly 68 students participated in this event. Final prize winners are

WINNERS		RUNNERS	
R.Deepthi	(15701A0213)	P.Vyshnavi	(15701A02B8)
K.Bhavani	(15701A0207)	G.S.Sindhu	(14701A0286)
N.Chandana Devi	(15705A0209)	C.Ujjayani	(15701A02A3)
G.Jayasree	(14701A0230)	D.Vani	(15701A02A7)

POSTER PRESENTATION:

EEE-Association has organized for all II, III, and IV EEE Students. Nearly 07 batches participated in this event on 22/12/2017 at AC Machines lab, Edison Block. The Prize winners are C.Sasi Vardhan Reddy (17705A0224) and B.Sainatha Reddy (16709A0214). All the faculty members are also attended in this poster presentation.



JAM:

EEE-Association has conducted JAM Event on 28/12/2017 for interested EEE students. Among 15 students participated in this event final winners are (1)G.Tejadeep (14701A02B0) (2)P.Leelavani(15701A0236) & M.Dakshayani(16701A0212) and (3)B.SaiMohanReddy(15701A02B0) & Obula Reddy (15705A0226).

Editor-in-Chief

Dr. M. Padma Lalitha M.Tech,Ph.D.

Guest Editor

Mr. O. Hemakesavulu M.Tech,(Ph.D).

Editors

Mr. K. Sreedhar M.Tech.

Mr. M. Ramesh M.Tech.

Student Members of Elektra

Mr. B. Sai Mohan Reddy, Ms. P. Leela Vani, Ms. C. Ujjayini, Ms. M. Dakshayani

ARISE AWAKE AND STOP NOT TILL THE GOAL IS REACHED