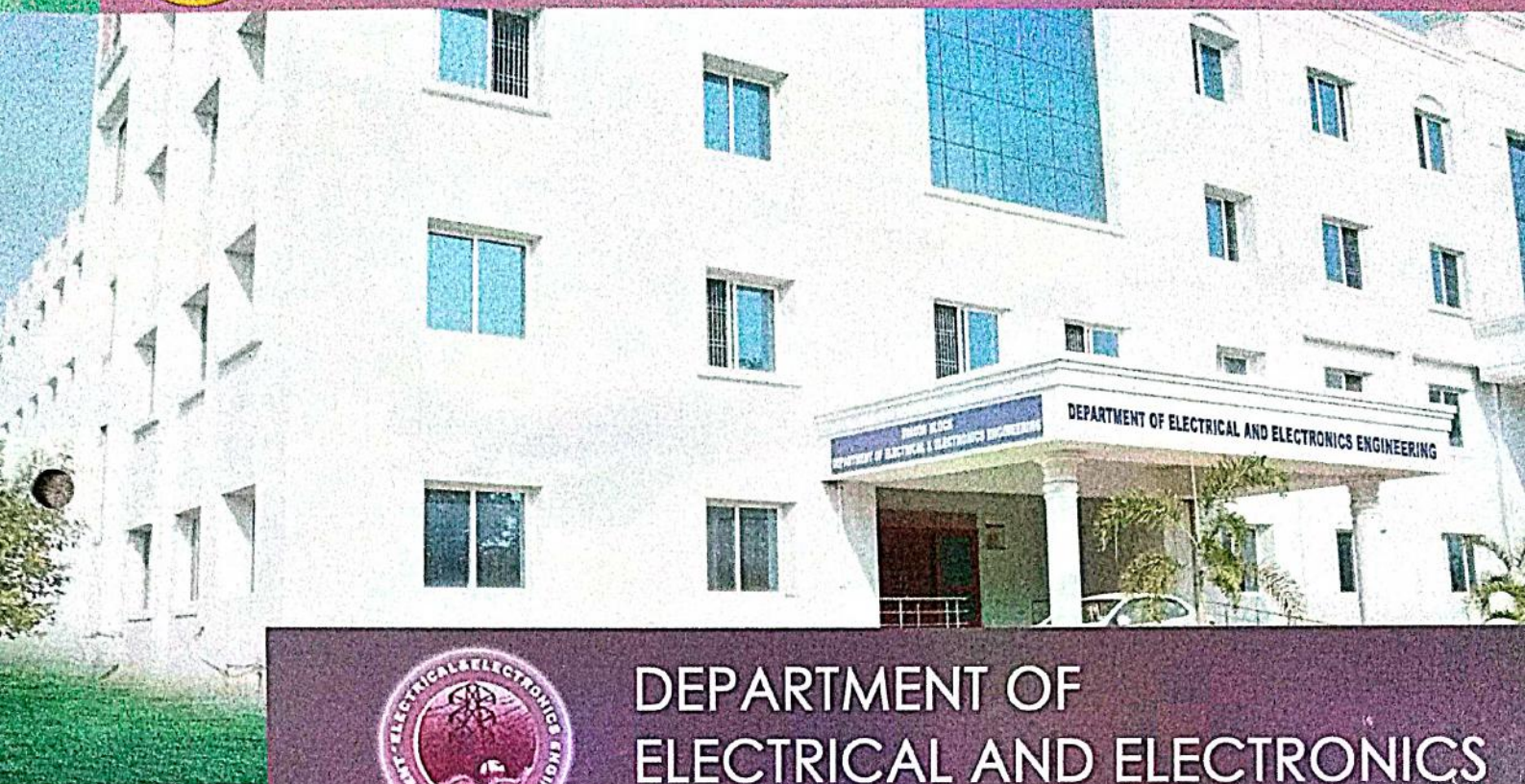




ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES



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.E) Two Post Graduate programmes (M.Tech. in Control Power Systems and Electrical Power Engineering).

Faculty members have strong sense of responsibility to meet the needs of the education of both undergraduate and post graduate students. The major expertise areas of faculty members are Power Systems, Smart Grids, Distributed Generation, Renewable Energy, and Power Quality Predictive



HOD & Professor,

Department of Electrical & Electronics Engineering,
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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) Ability to apply knowledge of mathematics, science, and engineering to solve problems.
- b) Ability to identify and formulate a problem that requires engineering solution.
- c) Ability to design and conduct an experiment and to analyze and interpret the data.
- d) Ability to design a system, component, or process to meet desired needs and operating conditions, taking into account public health, safety, and environmental concerns.
- e) Ability to communicate effectively with others, with clients, workers, and the general public.
- f) Ability to develop confidence in self and to understand the value of life-long learning.
- g) An ability to recognize the impact of engineering solutions in society.
- h) An ability to acquire new knowledge to use modern engineering tools, software and equipments to analyze problems necessary for engineering practice.
- i) A knowledge of contemporary issues to undertake innovative projects.
- ii) An ability to use the techniques and skills to face and succeed in competitive examinations like CAT, GRE, TOEFL, GMAT etc.

Laboratories

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GUEST LECTURES:

1. Dr. P Nagendra, HOD, Dept. of BEE, Govt. Polytechnic college, Madakasira Ananathapuram (Dist) has given Guest Lecture on "Power System Optimization" for IV BEE and I M.Tech students at AITS Gallery On 01st July 2016.
2. Dr. R. Gnanadas, Professor, PEC, Pondicherry has delivered a Guest lecture on "Restructured Power Systems" on 19th September 2016 at the Aits Gallery. All the III BEE and I M.Tech students attended this lecture. Mr. P.B. Chennaiah, Assistant Professor has coordinated this Guestlecture.
3. Dr. K. Vishak, Professor, Head of the Department, Andhra University, Vizag has delivered a Guest lecture on "Fuzzy Approach to Power System Security" on 17th October 2016 at the Aits Gallery. All the III BEE Students attended this lecture. Mr. P.B. Chennaiah, Assistant Professor has coordinated this Guest lecture.



FACULTY PARTICIPATION IN VARIOUS WORKSHOPS:

1. Mr. C. Ganesh, Mr. P.SureshBabu, Mrs.S.Saradaand Mr. K.Harinath Reddy, Assistant Professors, EEE department has participated in a Two week National Level work shop from 13th to 25th June 2016 on "Application of MATLAB in Electrical Engineering" Under TEQUIP-II Organized by Sree Vidyanikethan Engineering College (Autonomous) A. Rajampet, Tirupati, A.P.
2. Mr. L.Baya Reddy, Assistant Professor, EEE department has participated in the NPTEL workshop conducted on 30th June 2016 at IIT Tirupati, organized by National Program on Technology Enhanced Learning (IITMadras)
3. Mr. S. Muqthiar All and Mr. S.S. Deekshit, Assistant Professors EEE Departments has attended in TEQUIP -II Sponsored Two day Faculty Development Program on "Smart Grid Technology Adoption in Power Utilities and Integrating the latest IT-OT Trends" organized by the department of BEE JNTUA College of Engineering (autonomous) Pullavandula during 23rd and 24th September 2016.

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B.TECH STUDENTS PARTICIPATION IN PAPER PRESENTATION:

Mr. R. Siva Sankar, Mr. Yashwanth students of IV B Tech EEE presented a paper on "Micro controller Based Safety and Security in a CAR" as a part of Vidyuth-Ustav 2K16, A National Level Technical Symposium conducted by the Dhanalakshmi college of Engg., Chennai, held on 26th September 2016 and had secured II prize.



B.TECH STUDENTS TRAINING

Mr. V. Harish (14701A0227), Mrs. G. Gayathri (14701A0221), Mr. J. Dinosh Kumar (14701A0219) and Mrs. R. Amrutha Priya (14701A0203) students III EEE Underwent training at BHEL Hyderabad the title of the project is "Study of Manufacturing Process of Turbo Generator"

SPORTS

Selected students from EEE have played the cricket game regarding Independence Day cricket cup conducted for AITS students. EEE Department team has reached final and played game against CSE team and won the Runners trophy. The match was played on 12th August 2016 at AITS Cricket stadium.

PLACEMENT DRIVE:

Final year EEE student Ms.P.Siva Sandya has selected in campus selections in GGK Technologies, Hyderabad, on 22nd October 2016.



INDEPENDENCE DAY CELEBRATIONS:

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

S.No.	EVENT	WINNERS		
1	Essay writing	I prizewinner:	A.L.Prasanna	(15701A0245)
		II nd prize winner:	N.Bhannart	(15701A0206)
2	ELRT	I prizewinner:	A. ManojKumar	(14701A0256)
		II ndprizewinner:	K. Jahnavi	(14701A0231)
3	Elocution	I prizewinner:	R.AmruthaPriya	(14701A0203)
		II nd prize winner:	P.Leelavani	(15701A0236)

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WORKSHOPS:

1. A Three Day workshop on "Industrial Automation (PLC - SCADA)" is organized by EEE Department in Association with Public Systems Pvt. Ltd., Hyderabad. From 29th July 2016 to 31st July 2016 the students from III EEE participated in this event. Mr. G. Parvath Kumar and Mr. Yerramallu acted as resource persons. Mr. M. Palla Prasad Reddy and Mr. M. Kanaka are the coordinators.



2. A One Day Orientation Program on "Skill Development" by Sri. Sankar Sathiyamoorthy (Alumnus of IIM Calcutta and Ex. Officer for Civil Services of Government of India) was conducted to III and IV year students. All III and IV EEE Students are attended this program on 9th August 2016 at Institute Gallery from 9.30 am to 1.00pm.



3. EEE Department has Organized workshop along with III Bombay as a part of "Quality Enhancement in Engineering Education" for all the III EEE Students during 26th, 27th and 30th September 2016. The topics covered are Maxwell's Equations.



4. A One Day Workshop organized by EEE Department on "Resume Building & Interviewing Skills" by Sri. Ashya Kesavapalli, Business Development manager, Hyd., was conducted to III and IV year students. All III and IV EEE Students are attended this program on 7th October 2016 at Institute Gallery from 9.30am to 1.00pm and 2.00pm to 5.00 pm.



FACULTY SEMINARS:

1. Mr. K. Sreedhar, Assistant Professor, EEE department has given seminar on "LED Technology that century's beam and its Applications" on 23rd July 2016 at Room No. 102 after 4.30 pm onwards.
2. Mr. G. Venkatesh, Assistant Professor, EEE department has given seminar on "HVDC LIGHT" on 24th October 2016 at smart class after 4.30 pm onwards.
3. Mr. D.Sai Krishna Kumar, Assistant Professor, EEE department has given seminar on "Resistance and Capacitance touch screen Technology" on 30th October 2016 at smart class after 4.30 pm onwards.
4. Mr.P. Venkata Suresh, Assistant Professor, EEE department has given seminar on "Design of Single Line Diagram in Electrical Engineering" on 28th November 2016 at smart class after 4.30 pm onwards.
5. Mr. R. Sai Kiran, Assistant Professor, EEE department has given seminar on "Particle Swarm Optimization" on 16th December 2016 at smart class after 4.30 pm onwards.

PLANTATION PROGRAM:

All the faculty members and students of EEE Department have actively participated in the plantation program at institute premises on 27th June 2016. In the program AITS chairman Mr. C. Gangi Reddy, Secretary Mr. C. Yella Reddy, Principal Dr. S.M.V. Narayana and HOD were in augured and participated in this plantation.



FACULTY INTERACTION:

Dr. K. VESHALE, Professor, Head of the Department, AU, Vizag, has interacted with all the EEE Faculty members on the topic "Recent Trends in Research Area" on 17th October, 2016 at the smart room, Edison Block,Aits Rajampet. All the faculty members from the department of EEE has attended this interaction.

PROFESSIONAL TALK:

A Professional talk was conducted on "Youth, Engineers& Nation" by Dr. R.N. Kumar, IPS, Additional DGP, West Bengal. All faculty members, B.Tech and M.Tech students has attended in this Professional talk on 27th June 2016 at institute gallery.



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EEE ASSOCIATION

1. **EEE Association** has conducted the **Quiz** event for all EEE students. A total of 20 students participated in this event and the prize winners are as follows:

Rank	EVENT	Name of the Student	Roll No
1 st Prize	QUIZ	A. Kishore	(15705A0215)
2 nd Prize		P. Anand	(15705A0211)
3 rd Prize		B. V. Srinivas Kumar	(15705A0213)
4 th Prize			

2. DUMB CHATS:

EEE Association has conducted "Dumb Chats" on 14th October 2016 and all EEE students participated in this event and the prize winners are

1 st Prize		11 th Prize	
G. Sai Kumar	(15705A0216)	S. V. Bharath	(15705A0217)
M. Anur	(15705A0221)	S. V. Sarath	(15705A0218)
B. Anand	(15705A0219)	B. Sri	(15705A0214)
P. Siva Anand	(15705A0212)	V. Vinubhanth	(15705A0210)

3. POETRY:

EEE Association has conducted "Poetry" on 1st September 2016 and all EEE students participated actively in this event.

The Prize Winners are

1 st prizewinner	G. Suresh Kumar	(15705A0214)
11 th prizewinners	K.R. Jayanth Reddy	(15705A0213)
11 th prizewinners	L. Dravani	(15705A0218)

4. FUNNY GAMES:

EEE Association has conducted "Funny Games" on 23rd September 2016 and all EEE students participated actively in this event.

5. LOGO QUIZ:

EEE Association has conducted "Logo Quiz" for all EEE students on 30th September 2016. Total students participated actively in this event and the prize winners are

1 st Prize		11 th Prize	
G. Suresh	(15705A0214)	D. Praveen	(15705A0210)
V. Anand	(15705A0219)	B. Balasub	(15705A0213)
A. Suresh	(15705A0215)	K. Shrinika	(15705A0211)
S. Suresh	(15705A0216)	C. S. Deepa	(15705A0217)

6. MEMORY GAME:

EEE Association has conducted "Memory Game" on 21st October 2016 and all EEE students participated actively in this event.

The Prize Winners are

1 st prize winner	K. Manoj Kumar	(15705A0211)
11 th prize winners	B. Sruja	(15705A0210)
11 th prize winners	R. Deepthi	(15705A0213)

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