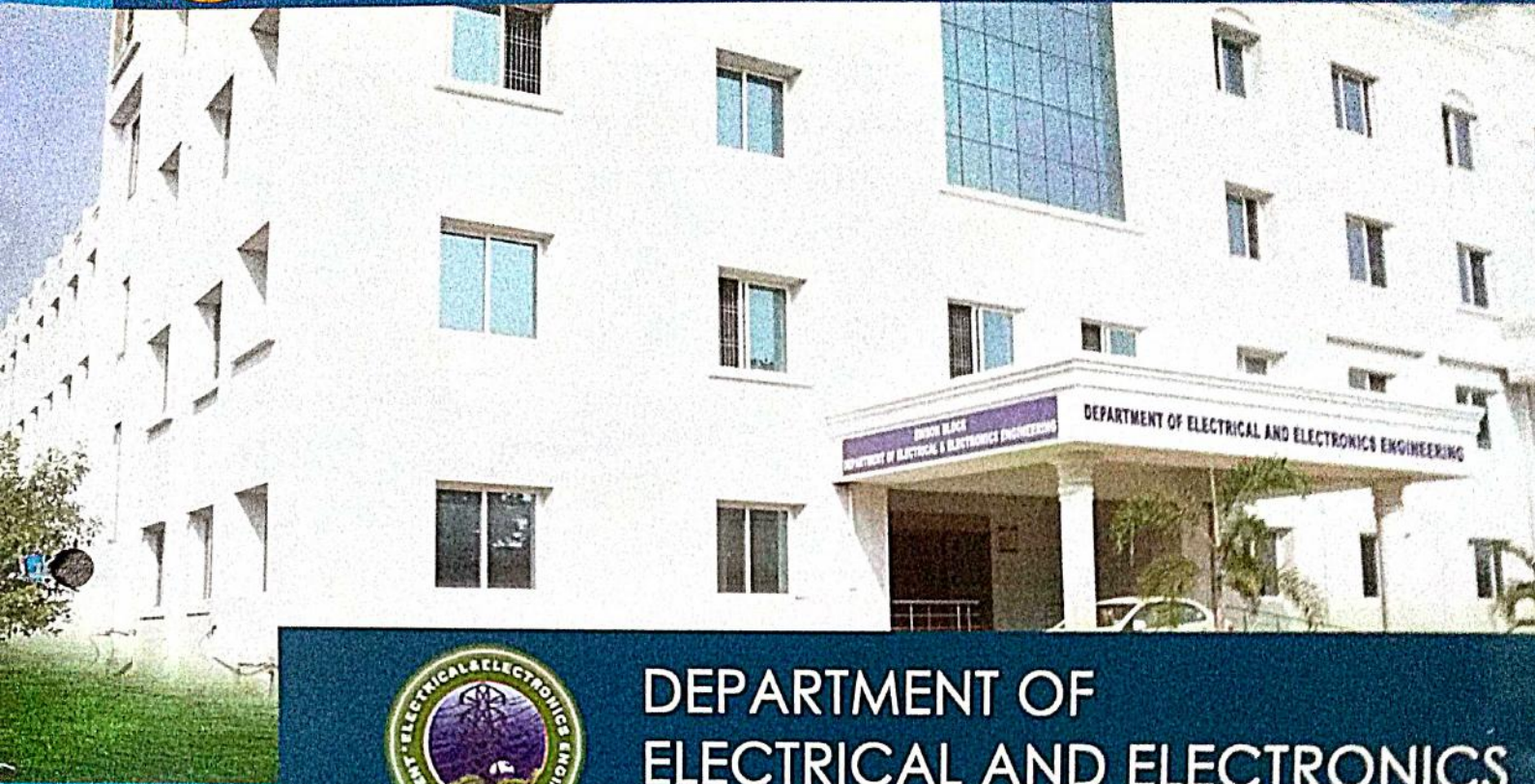




ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES



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 Controllers 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
Annamacharya Institute of Technology and Sciences Rajampet

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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) 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. DCMachines 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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Seminar

EEE Department has organized a two day National Level Seminar on "Nano Grids for future Power Systems" during 27th and 28th Feb 2017 at Smart Class room for M.Tech students and Faculty. Dr. M. Surya Kalavati, Prof, JNTU Hyd and Mr. C. Ganesh, Prof., JNTU, Pulivendula acted as Resource Persons on 27/02/2017 and Dr. K. Siva Kumar, Asst. Prof., IIT, Hyd acted as resource person on 28/02/2017. This Seminar was sponsored by IE Local Chapter Kadapa. Dr. P. B. Chennalah acted as Coordinator.



National Level Symposium:

EEE Dept has organized ATM-2017 National Level Student Symposium on 20th March 2017. Dr. Aanand Kumar, Director of Admissions JNTUA Delivered the key note address. Dr. G. Nageswara Reddy, Asst. Prof., EEE Dept.YVU College of Engg Prodattur has chaired as Judge for the event. Nearly 23 batches

participated in this Event from different colleges

Campus Placements:

The following EEE Students of 2016-17 passed out batch has secured jobs in different campus placements held in AITS Rajampet College

Company: Maintec, Chennai.

- i) R.Anand Kumar -13701A0204
- ii) J.AnuRadha -13701A0206
- iii) C.Jambavathi -13701A0225
- iv)P.Mohan Reddy -13701A0235
- v) K.Shiresha -13701A0269

Company: Aagna Global Solution, Chennai.

- i)R.Anand Kumar -13701A0204
- ii) M.Mounika -13701A0236
- iii) S.Mouseen -13701A0237
- iv) N.Slreasha -13701A0270
- v) E.Jagadeesh -14705A0211

Company: Sonata Software Pvt Ltd, Hyderabad.

O.Naveen Kumar Yadav-13701A0241

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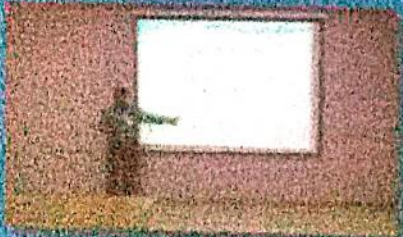
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Faculty Participation in various Workshops:

1. Ms. R. Amrutha Priya Student of III EEE has attended three days National Women's Parliament meets at Amaravathi, A.P. during Feb 10th, 11th and 12th 2017.
2. Mr. M. Lokesh, Mr. B. Obul Reddy, Ms. P. NagaMani, Mr. V. Murali Mohan, Mr. K. Nagendra Prasad, Ms. R. Sai Jayasri and Ms. S. Rizwana attended Workshop as a part of PROLIFIC at AITS Rajampet on the topic "Programmable Logic Controller and SCADA".
3. Mr. V. Harish, Ms. G. Gayathri, Mr. J. Dinesh Kumar and Ms. R. Amrutha Priya students of III EEE attended workshop Training at BHEL on the topic "Design and Testing of Turbo Generator".

Faculty Seminar:

1. Mr. O. Hemakesavulu, Associate Professor, Dept. of EEE has presented a seminar on the topic "ANN Controller for Harmonic Reduction in Grid Connected System" on 7th Jan 2017 at Smart Class room Edison block from 4.45 pm onwards. All faculty members of EEE attended this seminar.



2. Mr. P. Pamuletalah, Assistant Professor, EEE Dept has presented a seminar on "The Impact of Plug-In HEVs on residential Distribution Grid" on 09/01/2017 at Smart Class room Edison block from 4.45 pm onwards.. All the faculty members of EEE attended this seminar.

3. Mr. P. Ravindra Prasad, Assistant Professor, Dept. of EEE has presented a seminar on the topic "Power Oscillation Damping Using Self Tuning Controller for UPFC" on 24th Jan 2017 at Smart Class room Edison block from 4.45 pm onwards. All faculty members of EEE attended this seminar.



4. Mr. B. Murali Mohan, Assistant Professor, Dept. of EEE has presented a seminar on the topic "Power Quality Disturbances and Monitors" on 03/03/ 2017 at Smart Class room Edison block from 4.45 pm onwards. All faculty members of EEE attended this seminar.

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Guest Lectures:

1. Dr. P. Sujatha, Professor, Dept of EEE, JNTUA Anantapur has delivered a Guest Lecture on "Renewable Energy Resources" on 18th Feb 2017 at the Smart Class Room Edison Block. All IV EEE students attended to this Guest Lecture which was organized by EEE Dept. AITS Rajampet. Dr. P. B. Chennaiah acted as Coordinator to this Guest Lecture.
2. Mr. P. Venkata Sarath, Asst. Professor, Dept of EEE AITS Rajampet has delivered a Guest Lecture on "MATLAB applications and Simulation" on 21/03/2017 at the Geethanjali Institute of Technology, Nellore.



Awareness Program:

All the Faculty and Students of EEE Dept on 16/01/2017 attended the Digital Payment awareness Program at EKLAVYA Center Edison Block Organized by IIT Bombay.

Professional Talk:

1. Mr. T. Lakshmi Narayana, Retd IAS, Founder and Director of AP Skill development center addressed the Faculty on 11/01/2017 about diff. All the Faculty members attended the Program.
2. Dr. Murali Mohan, Senior Scientist-G and Head Inter Disciplinary Cyber Physical Systems Division Dept. of S&T addressed the Faculty members on Research/Project proposals for getting funds from various funding agencies. All the Faculty members attended the Program.

Elocution:

AITS Rajampet has conducted Elocution Competition as a part of National Youth Week Celebrations on the topic "Role of Youth in National Building" Ms. N. Naga Sireesha Reddy student of III EEE has bagged second prize.

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Republic Day Celebrations:

On the account of Republic 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	
19-09-2017	ESSAY	I prize winner: V.Mamatha (14701A0253)	II prize winner: V.Harish (14701A0227)
20-09-2017	Essay writing	I prize winner: N.Shama Sri (15701A0206)	II prize winner: N.Naga Sreehan (14701A0263)
22-09-2017	Elucation	I prize winner: G.Gayathri (14701A0221)	II prize winner: R.V.Sai Mohan (15701A0200)

Paper Presentation by the Students:

1. Ms. G. Gayathri and Ms. Amrutha Priya students of III EEE have participated in PPT at KLM College of Engg. For Women and presented a paper on the topic "Theft Identification by Photography and has Secured First Prize.
2. Ms. C. Ujjayini and Ms. D. Vani students of II EEE participated in the PPT at AITS Rajampet as a part of ATM-17, and presented a paper on "Wide Band Gap devices for Power Electronics Converter" on 20th March 2017 and has secured 2nd prize.
3. Ms. M. Hemalatha and Mr. K. Pavan Kumar Reddy students of EEE participated in the PPT at AITS Rajampet as a part of ATM-17, and presented a paper on "Alleviation of Sub synchronous Resonance using DSSC with FUZZY and ANFIS in Controller" on 20th March 2017 and has secured 3rd prize.
4. Mr. R. Siva Sai and Mr. S. Yaswanth students of IV EEE participated in the PPT at DhanaLakshmi College of Engg., Chennai as a part of Vidosthav-2K16 and presented a paper on "Micro Controller based and security in a Car" on 21st March 2017 and has secured 2nd prize.

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Industrial Visits by Students:

All the III EEE Students visited "Bramhanapalli Substation" as a part of Educational Tour during 1-4/4/2017. Mr. MRamesh, Mr. PRavindra Prasad guided the students. Mr. Ganesh, AE, at Bramhanapalli Substation has explained the practical view of Substation.

Annual Day Celebrations:

All faculty members of EEE Dept. and all the students of EEE Dept. has attended the College Annual Day Celebrations on 24th March 2017 and made it a grand success.

Farewell Party:

EEE Dept. has conducted Farwell party on 8th April 2017. Dr. M. Padma Lalitha, HOD, Dr. G. Prabhakar Rao, Director, Dr. SMV Narayana, Principal, Mr. C. Yella Reddy, Vice Chairman, AITS Rajampet attended the function. Prizes were distributed in the function for the students of IV year for different events cultural programs followed.



Sports:

Ms. K. Kalpana student of EEE Dept. participated in the event Volley ball conducted at JNUA as a part of National sports meet 2017 and stood first position in that event.



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EEE Association Events:

Quiz:

EEE -Association Conducted a Quiz on Indian Constitution for all EEE students on 24/01/2017 at Room No. 102 Shortlisted students are divided in to 16 batches 3 per each batch from all sections are participated in this event final winners are

WINNERS		RUNNERS	
C.Madhurika	(15705A0237)	B.Janardhan	(147010A234)
G.Sudharshini	(16705A0213)	K.Brahman Reddy	(14701A0213)
C.Chandrasekhar	(16705A0210)	G.Amarath	(14701A0201)
B.Kalyani	(15701A0232)	C.Anil Kumar Reddy	(14701A0204)

Film Quiz:

EEE-Association has conducted Film Quiz for all EEE students on 19th January 2017. Nearly 60 students participated in this event. Final prize winners are

WINNERS		RUNNERS	
K.Mahal Lakshmi	(14701A0250)	P.Vyshnavi	(15701A0255)
L.Rajitha	(14701A0275)	G.S.Sudha	(14701A0256)
P.Nagmani	(15705A0224)	K.Navatha	(15701A0214)
C.Sai Priya	(14701A0254)	D.Vani	(15701A02A7)

Short Memory Game:

EEE-Association has conducted Short Memory Game on 14/03/2017 for interested EEE students. Among 35 students participated in this event final winners are

(1) R. Deepthi (II-A), (2) N. Naga Sreesha (II-B) and (3) P. Leelavani (II-A).

Technical Model Exhibition:

EEE-Association has Organized Technical Model Exhibition for all II, III and IV EEE Student. Nearly 27 batches participated in this event on 16/3/2017 at EM-I and EM-II labs.

OutReach:

As a part of OutReach program some of the interested students from the EEE department distributed Blankets, Sarees to the old people at Kasinayana Old age Home, Vontimitta on 12/01/2017. Mr. S. Sanjeeva Rayudu, NSS Coordinator, Mr. M. Ramesh and Mr. M. Sai Sandeep, Asst. Prof. guided the students.



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Mr. M. Ramesh M.Tech.

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Ms. P. Leela Vani, Ms. M. Sowjanya, Ms. C. Ujjayini, Ms. D. Vani