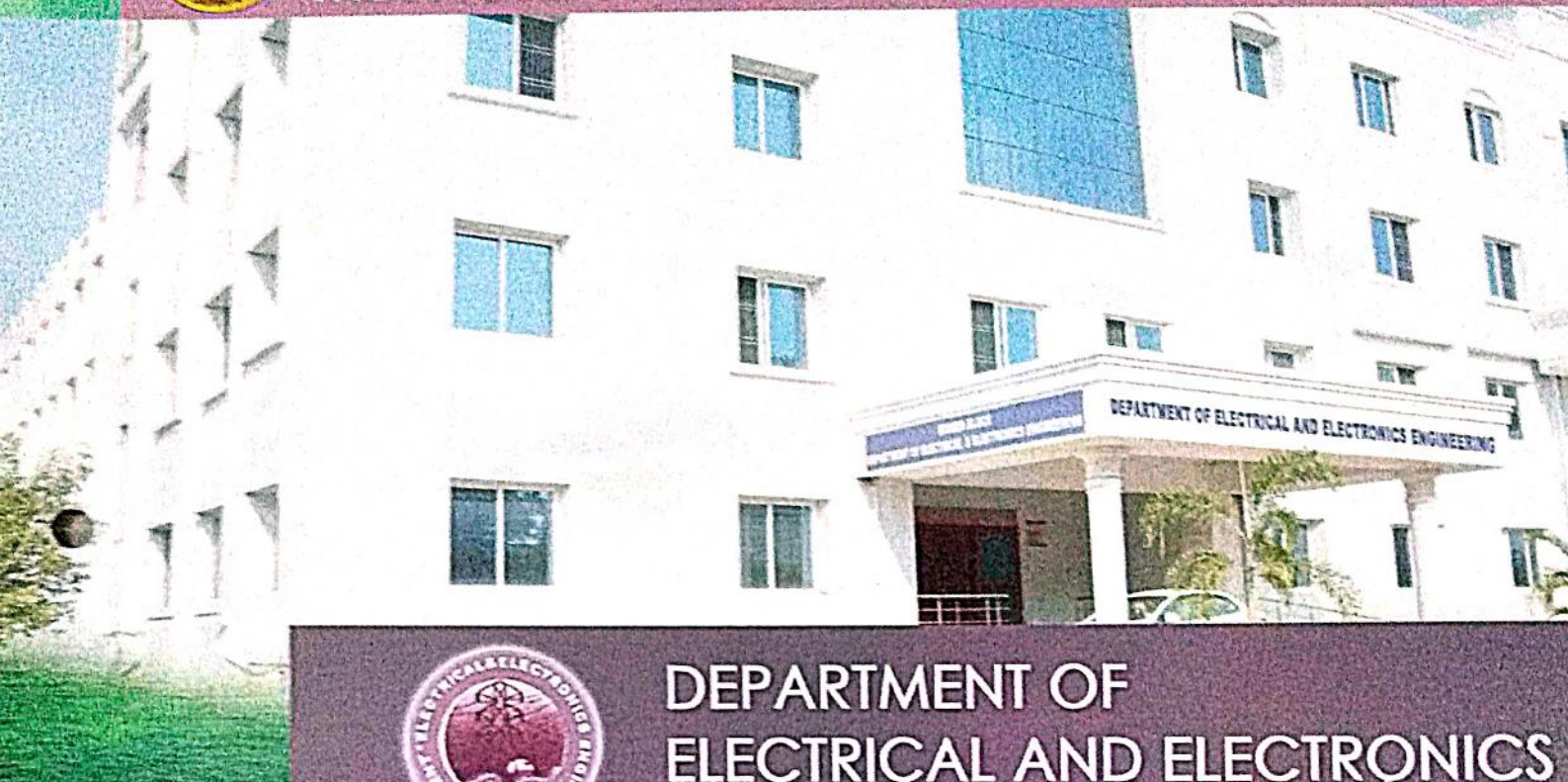




ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES



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 would 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 offer 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 best possible education for both under graduate and post graduate students. The major expertise areas of faculty are in such areas as: Smart Grid, Distributed Generation, Renewable Energy, Smart Meter, Predictive Maintenance etc.

The Department has trained the students for the students for various competitive examinations like GATE, IIT-JAM, GRE, TOEFL, GMAT etc.



HOD & Professor,

Department of Electrical & Electronics Engineering,
Annamacharya Institute of Technology and Sciences Kadapa

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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.

- 1. Ability to design electrical and electronic circuits and conduct experiments with electrical engineering tools to collect and interpret data.
- 2. Ability to design digital and analog system performing to electrical systems.
- 3. Ability to estimate and work on the discrepancy, loss.
- 4. Ability to identify, formulate and solve engineering problems.
- 5. An understanding of professional and ethical responsibility.
- 6. Ability to communicate effectively in both verbal and written form.
- 7. An ability to develop confidence for self-education and to understand the value of life-long learning.
- 8. An ability to recognize the impact of engineering on society.
- 9. An ability to acquire new knowledge to use modern engineering tools, softwares and equipments to analyse problems necessary for engineering practice.
- 10. A knowledge of contemporary issues to undertake innovative projects.
- 11. An ability to use the techniques and skills to face and succeed in competitive examinations like GATE, GRE, TOEFL, GMAT etc.

Laboratories

- 1. Basic Electrical Engineering Laboratory
- 2. Basic Electronics Engineering Laboratory
- 3. Analog Electronics Engineering Laboratory
- 4. Digital Electronics Engineering Laboratory
- 5. Power Electronics Engineering Laboratory
- 6. Electrical Power Systems Laboratory
- 7. Electrical Machines Laboratory
- 8. Renewable Energy Systems Laboratory
- 9. Smart Grid Laboratory
- 10. Distributed Generation Laboratory
- 11. Smart Meter Laboratory
- 12. Predictive Maintenance Laboratory

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NATIONAL CONFERENCE:

EEE Department has organized a Two Days National Level Conference in Recent Advancements in Power and Energy Systems (NCRAIPES)-16 during 25th and 26th April 2016. Dr. D. Thukaram, Professor, IISC, Bangalore has delivered the key note of address on the inaugural function. Dr. N. Vaisali, Prof & HOD, EEE Dept. JNTUCEP, Pulivendula; Dr. T. Gowri Manohar, Associate Professor, Dept. of EEE SVUCE Tirupathi and Dr. V.

Usha Reddy, Assistant Professor, Dept. of EEE, SVUCE, Tirupathi has occupied as session chair on day 1. Day 2 session chairs were Dr. V. Ganesh, Prof, EEE Dept, JNTUCEP, and Pulivendula. Dr. V. Naga Bhaskar Reddy Prof., HOD, Dept. of EEE, RGMCEET Nandyal, Dr. P. Umapathi Reddy, Prof., Dept. of EEE Sri Vidyanikethan Engineering College Rangampet, Tirupathi and selected papers from different colleges were presented in the national level conference best paper award for each session was given to the awardees by the Judges along with EEE H.O.D Dr. M. Padma Lalitha.



NATIONAL LEVEL SYMPOSIUM:

EEE Dept. has organized ATM-2016 7th National Level Student Symposium on 3rd March 2016. Mr. K. Vidya Sagar Reddy Ex. CMD, APSPDCL. Delivered key note address. Dr. N. Vaisali, HOD, EEE, Dept., JNTUCEP, Pulivendula has chaired as judge for the event Ms. K. Padmavathi (IV EEE) has bagged 2nd Prize. Ms. D. Sahira Bham and Mr. C. Sayesh Kumar IV EEE have bagged consolation prize.



FACULTY DEVELOPMENT PROGRAM:

Mr. P. Suresh Babu, Mr. S. Muqthiar Ali and Mr. N. Sreeramula Reddy Assistant professors of EEE Dept have attended Faculty Development Program on "Implementation of Quality Circles in Educational Institutions" at the Eklavya Hall, ground floor in PG Block. The resource person is Mr. Harish, AE, Amaraja Groups, Renigunta, and Tirupati on 27th Jan 2016.

PROFESSIONAL TALK:

Dr. B. N. Ramesh, IFS, Addtl. DGP, West Bengal addressed the students on the topic "Youth, Engineers and Nation" at the Gallery on June 27th 2016. All the III and IV EEE students attended the program along with the faculty members.



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GUEST LECTURES:

1. Dr.G.Narasimhan Professor, Dept of EEE, University College of Engineering, OU, Hyd has delivered a Guest Lecture on "Power system Security using Fuzzy approach" on 21st JAN 2016 at the ATIS Gallery. All III, IV EEE and I Mech students attended to this Guest Lecture which was organized by EEE Dept, ATIS Rajampet.

2. Dr. Mahesh Kumar, Professor, Dept of EEE, IT Madras, Tamilnadu has delivered a Guest Lecture on "Power Electronics Applications to Power Systems" on 5th FEB 2016 at the ATIS Gallery. All III EEE students attended this Guest Lecture which was organized by EEE Dept.

3. Dr. R. Ganesh, Professor, PEC, Pondicherry has delivered a Guest Lecture on "Technical Challenges in Smart Transmission and Distribution Grid" on 4th April 2016 at the ATIS Gallery. All III EEE students attended to this Guest Lecture which is organized by EEE Dept, ATIS Rajampet.

FACULTY PARTICIPATION IN VARIOUS WORKSHOPS:

1. Mr.C.Ganesh, Assistant Professor attended the short term course on "Applications of Power Electronics to Renewable Energy (APERE-2016)" Organized by the EEE Department NIT, Goa during 12th to 16th May 2016.

2. Mr.C.Ganesh, Assistant Professor has participated in one week National Level Workshop on "Emerging trends in Power Electronics and Power Systems" from 15th to 20th May 2016 Organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad.

3. Mr.P.Jayash Babu, Mr.K.Ratnasath Reddy, Mr.S.Srinath, Mr.C.Ganesh, Assistant Professors participated in a two week National Level Workshop on "Applications of MATLAB in Electrical Engineering" under TROP-III Organized by Sree Vidyapeetham Engineering College(Autonomous) A.Rajampet, Tirupathi A.P. from 13th to 25th June 2016.

FACULTY SEMINARS :

1. Mr. N. Suresh Babu, Assistant Professor, Dept of EEE has presented a seminar on the topic "High Gain DC-DC Converter" on 23rd Jan 2016 at room no. PG-201 from 4.45 pm onwards. All faculty members of EEE attended this seminar.

2. Mr. S. Suresh Babu, Assistant Professor, EEE Dept has presented a seminar on "Single Input Dual Output DC-DC Buck Converter" on 16th Feb 2016 at Room No. 204 PG Block. All the faculty members of EEE attended this seminar.

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WORKSHOPS:



1. EEE Dept. has organized one day workshop on "Outcome Based Education" at the AITS Conference room main block on 21st JAN 2016. Dr. G. Yesurathnam garu, Prof. EEE Dept., OU, Hyd acted as resource person. 24 Faculty members from EEE department and 13 Faculty members from other departments were also participated in this workshop. Dr. Yesurathnam has explained the key concepts of outcome based Education and clarified the doubts raised by the faculty members on the topic. Mr.P.B.Chennaiah and Mr.K.Sreedhar, Asst.profs, EEE Dept acted as Coordinators for this Workshop.

2. EEE Dept has Organized two days' Workshop on "MATLAB Simulink and its related tool boxes for Engineering Education" at the CAD/CAM Lab , EME Block from 30th Jan 2016 to 31st JAN 2016.Mr. J. Prem kumar, Product Manager, Capricot Technologies, Hyd acted as a resource person. Mr. K. Sreedhar, Mr. D. Sai Krishnakanth, Mr. S.S. Deekshith and Mr. M. Sai Sandeep faculty of EEE dept. has attended this Workshop and also interested faculty members of other departments attended this Workshop. Faculty members interacted well with the resource person and have clarified doubts they have regarding MATLAB and its toolboxes. Mr.K.Sreedhar, Asst prof, EEE Dept acted as Coordinator for this Workshop.

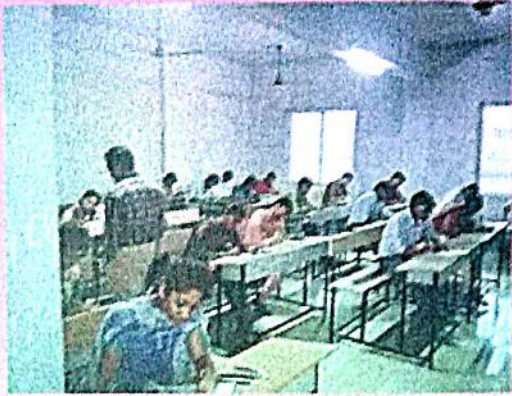
3. EEE Department has organized workshop on Quality Enhancement in Engineering for all II EEE students during 12th ,15th and 17th FEB 2016. The topics covered in this workshop are Network Analysis, Signals and Systems and Control Systems. The students participated actively in this program and have enhanced their knowledge in the covered topics.

4. EEE Department has organized a Two Day Awareness Program on "Design of Solar Energy PV Systems" during 12th MAR 2016 to 13th MAR 2016. Mr. B. Purushotham Achari from Green Energy Technologies acted as a resource person. All the interested students participated actively and designed the basic models of PV systems and tested it based on the instructions given by the resource persons. Mr.M.Pala Prasad Reddy and Mr.M.Ramesh, Asst profs, EEE Dept acted as Coordinators of this Workshop.

5. EEE Department has organized workshop on Quality Enhancement in Engineering for all II EEE students during 4th APR to 6th APR 2016. The topics covered in this workshop are Control Systems. The students participated actively in this program and have enhanced their knowledge in the covered topics.

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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	
19-01-2016	ELRT	I prize winner:	D. Bhargav (12701A0209)
		II prize winner:	M. Venkateshwartha (12701A0204)
20-01-2016	Bingo Writing	I prize winner:	M. Sneha (12701A0208)
		II prize winner:	C.Meena (12701A0229)
22-01-2016	Blossoms	I prize winner:	A.Kalitha (15705A0213)
		II prize winner:	B. Madhavi (12701A0222)

PAPER PRESENTATION BY THE STUDENTS:

1. Mr. R. Sivasai and Mr. S. Yaswanth students of EEE has participated on "Micro Controller Controlled Pick and Place Robot" at Chennai Institute of Technology Chennai, as the part of JARVIS-2016 and has Secured third Prize.

2. Mr. R. Aanand Kumar and Mr.G.Anjan kumar students of III BEE participated in the PPT at CBIT, Proddatur and presented a paper on "Voltage Multipliers" on 21st March 2016 and has secured 3rd prize.



INDUSTRIAL VISITS BY STUDENTS:

1. All the II EEE Students has visited Srisaillam Hydrel Power Plant at Srisaillam, Kurnool dist. as a part of Educational tour on 23rd Feb 2016 accompanied by three staff members Mr. P. Suresh Babu, Mr. CH. Lenin Babu and Mr. D. Sai Krishna Kanth.

2. All III EEE students has visited North Chennai Thermal Power Station at Alipenta, Chennai as a part of Educational tour on 31st March 2016 accompanied by the staff members Mr. P. Shankar Prasad, Mr. M. Ramesh, Mr.R. Madhan Mohan and Mr. M. Sai Sandeep.



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POSTER PRESENTATION BY THE STUDENTS:

Ms. R. Anusha Praya and Mr.G. Gayathri students of II EEE has participated in the poster presentation at CMT, Proddatur, JEFEST- 2K16 and presented a paper on "Production of Electricity from Alveolar" and has secured 1 prize on 21st March 2016.

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 2016 and made it a grand success.

FARWELL PARTY:

EEE Dept. has conducted Farwell party on 6th April 2016.

Dr. M. Padma Lakshmi, 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 and Ms.S.Chandrika students of EEE Dept. participated in the event Volley ball conducted at RGM Nandyala as a part of RGM CET National sports meet 2016 and stood first position in that event.



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EEE ASSOCIATION EVENTS:

Quiz:

EEE Association Conducted a Quiz on Freedom Fighters for all EEE students on 28th Jan 2016 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	
K. Yashas Varadhan Reddy (15705A0248)		S.Rizwana (1470110A279)	
G. Veeranjineyulu (15705A0245)		T. Sri Jayanti (14701A0282)	
S. Sri Lakshmi (15705A0236)		K. Ramadevi (14701A0274)	

Bulls Eye:

EEE Association has conducted Bulls Eye for all EEE students on 13th March 2016. Nearly 108 students participated in this event. Final prize winners are

WINNERS		RUNNERS	
T. Jayanti (14701A0282)		R. Anurutha Priya (14701A0203)	
S. Rizwana (14701A0279)		S. Jhaasi (14701A0235)	
S. Theena (14701A02A9)		N. Haripriya (14701A0225)	
N. Sudhama (14701A0294)		K. Haritha (15705A0206)	

Debate:

EEE Association has conducted Debate for all the EEE students on 9th March 2016 at the Room No. 201. Interested students participated in this event and the final prize winners are

A. Kalanji (15705A0213), K. Yaswanth Kumar (13701A02A0) and P. Akhil (13701A0203).

Group Discussion:

EEE Association has conducted Group Discussion for II, III, IV EEE students and J. Mich students from 16th March 2016 to 18th March 2016 on five different topics and then selected 10 best students from each class later GD was conducted for next round and winners are

(1) P. Rishitha (13701A0260), (2) N. Naga Sireesha (14701A0263), (3) S. Yaswanth (14705A0229).

Short Memory Game:

EEE Association has conducted Short Memory Game on 2nd April 2016 for interested EEE students. Among 28 students participated in this event final winners are (1) P. Nagamani (15705A022A), (2) D. R. Garu Swarna (14701A0224) and (3) K. Yeswanth Kumar (13701A02A0).

Technical Quiz:

Mr. G.M. Venkata Mahesh, Mr. G. Veeranjineyulu, Mr. S. Sivakumar students of II EEE participated in the Technical Quiz at CBIT, Proddatur as a part of EFEST- 2K16 and has secured 3rd prize on 21st March 2016.



Plantation Program:

All the students of EEE Department and the Faculty members participated in the plantation program at the institute premises on 27th June 2016. In the same program AITS chairman Mr.C.Gangi Reddy garu, Chairman, AET, AET Treasurer Mr.C.Yella Reddy garu, AITS Principal D.S.M.V.Narayana garu are also participated and have planted the trees at the AITS premises.



OutReach:

As a part of OutReach program some of the interested students from the EEE department have transferred their Knowledge to the ZPEIS Students Munnur Rajampet on "Fundamentals of MS-Office". Mr.R.Madhan Mohan,Asst prof, EEE Dept. acted as Coordinator for this Program.

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