



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

NEWSLETTER- OCTOBER- 2018

About the Department:

The Department was started in the year 2008 with an objective of creating a leader in engineering education and research with the application of knowledge for uplifting the society globally. Initially, the Department was started with an intake of 60 students and later it was increased to 120 students in the year 2011. The Department inaugurated IEEE students' chapter in the year 2012. The faculty members are consistently doing well in teaching and research activities. The Department had well established and equipped laboratories like Electrical Machines Lab, Power Electronics Lab, Power System Simulation Lab, Microprocessor Lab & Measurements and Instrumentation Lab with equipment cost of Rs. 65 Lakhs. The Department provides exposure to the students with hands-on experience on various Electrical Engineering subjects to face the challenges of the modern corporate world and to mould them as responsible citizens of the country with a willingness to serve the society.

The Department established internal Library with 400 titles and IEEE volumes for the welfare of the Faculty members and students.

VISION

To create comprehensive electrical engineers to meet up the growing technological demands of the society.

MISSION

- To impart high quality education to help the students hone their professional skills.
- To improve the competencies of students and faculties on contemporary technologies through continuous improvement programs.
- To imbibe the spirit of innovation and entrepreneurship among the students.
- To undertake research on frontier areas of electrical and electronics engineering.

Program Educational Objectives (PEOs)

- Graduates will have the ability to demonstrate skills in developing innovative ideas, and in providing effective solutions to complex engineering problems thereby being productive and participative global citizens
- Our graduates will have the ability and confidence to pursue higher education or exhibit professionalism in the career or take up entrepreneurial accomplishments.

- Our graduates will have the technical competency to involve in multidisciplinary research within the suitable technological, global, societal, ethical, economical, environmental and organizational context.
- Our graduates will engage themselves in life-long learning thereby keeping themselves abreast of the contemporary issues.

Program outcomes (POs)

POs	DESCRIPTION
PO1	An ability to apply the knowledge of mathematics and engineering fundamentals to provide solutions to complex Electrical Engineering problems
PO2	An ability to identify and analyse the problems on electrical engineering, and formulate the solutions appropriate to the problem through structured approach
PO3	An ability to design and develop software solutions to the problem with due considerations on socio-economical and environmental sustainability
PO4	An ability to design and conduct experiments, analyse and interpret data to provide valid conclusions and recommendations.
PO5	An ability to use appropriate techniques and adapt modern electrical engineering simulation tools to solve intricate engineering problems
PO6	Apply logic informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and recognise their responsibility relevant to the profession and explore the human side of engineering.
PO7	Understand the role of electrical engineers in society regarding social, cultural, environmental and global responsibilities for sustainable development.
PO8	Ability to understand and practice the professional, legal and ethical principles involved in the area of electrical engineering-
PO9	An ability to function effectively as a team member or a leader focusing on a common goal in multi disciplinary settings
PO10	An ability to communicate effectively on technical activities both orally and in written form
PO11	An ability to apply the knowledge of engineering and management principles to manage projects in multi disciplinary environments
PO12	An ability to undertake self learning of contempo-rary issues and engage in lifelong learning

Programme Specific Outcome (PSO)

PSOs	Description
PSO1	An ability to design, analysis and to implement power electronics converters in renewable energy applications.
PSO2	A capability to design and examine the power system and to solve the unit commitment with various constraints.

1. Staff Activities

- Mrs.V.Thebinaa, Mr.D.Balaji and Mrs.R.Muthunagai has attended ICT Sponsored “10 Attributes of High Impact Teacher ” at Manakula Vinayagar Institute of Technology On 16th July 2018.
- Dr.G.Renukadevi, Associate Professor/EEE has handled the comprehensive viva class for the third year students on 21st July 2018.
- Mr.D.Balaji, AP/EEE has delivered the special lecture titled “Latest Developments in Permanent magnet Brushless DC motor” for the second year students on 21st July 2018.
- Mr.D.Muruganandhan, AP/EEE has delivered the special lecture titled “Hybrid power Generation” for the final year students on 21st July 2018.



Dr.K. Sedhuraman Asso.Prof./EEE, & Mr.S.Rajkumar A.P.(S.G.)/EEE organized One Day Workshop on “Design and Fabrication of Photovoltaic Cell for Solar Panel ” to III year Students on 20th august 2018. Mr.S.KANNAN, Assistant Technical Manger, Greenergy Pvt.ltd., Puducherry has delivered the session.



Mrs.R.Muthunagai, Assistant Professor/EEE organized guest lecture on “Product Prototyping & Development Services” to III year Students on 01st September 2018. Mr.B.Vimal, CEO REDSHADE ROBOTICS, Upskilling Nexgen Technologies, Puducherry has addressed the session.



Mrs.V.Thebinaa, Assistant Professor/EEE and Mr.D.Balaji, Assistant Professor/EEE organized guest lecture on “Recent trends in industrial automation” to III year Students on 03rd September 2018. Mr.A.Ezhilmaran, CEO , Axis global automation private limited, Chennai has addressed the session.

- Dr.G.Renuka Devi, Associate Professor/EEE and Mrs.R.Priya,Assistant Professor/EEE attended Seminar on "Technology Development for Societal Applications" at Anna University on 5th September 2018.



Dr.G.Renuka Devi, Associate Professor/EEE organized guest lecture on “Solar Technology” to II, III and IV year Students on 08th September 2018. Dr. Prasun Kumar Das, Assistant Director (Technical), National Institute of Wind Energy, (NIWE), Chenna has delivered the session

Department Activities:



Department of EEE and ECE Organizing a Six-days AICTE-ISTE sponsored Induction/ Refresher program on “Smart grid, IoT and Green computing-The future of energy Intelligence” on 16th July 2018 to 21st July 2018 . Inaugurated by Dr.K.Manivanan, Vice –President, ISTE and also he has delivered a session on “Industry-

Academia Collaboration in India - Initiatives, Issues, Opportunities and Strategies” to the Faculty Members of various colleges.



Department of EEE and ECE signed Memorandum of Understanding with “VATIO energy India Pvt Ltd, Chennai” on 16th July 2018.



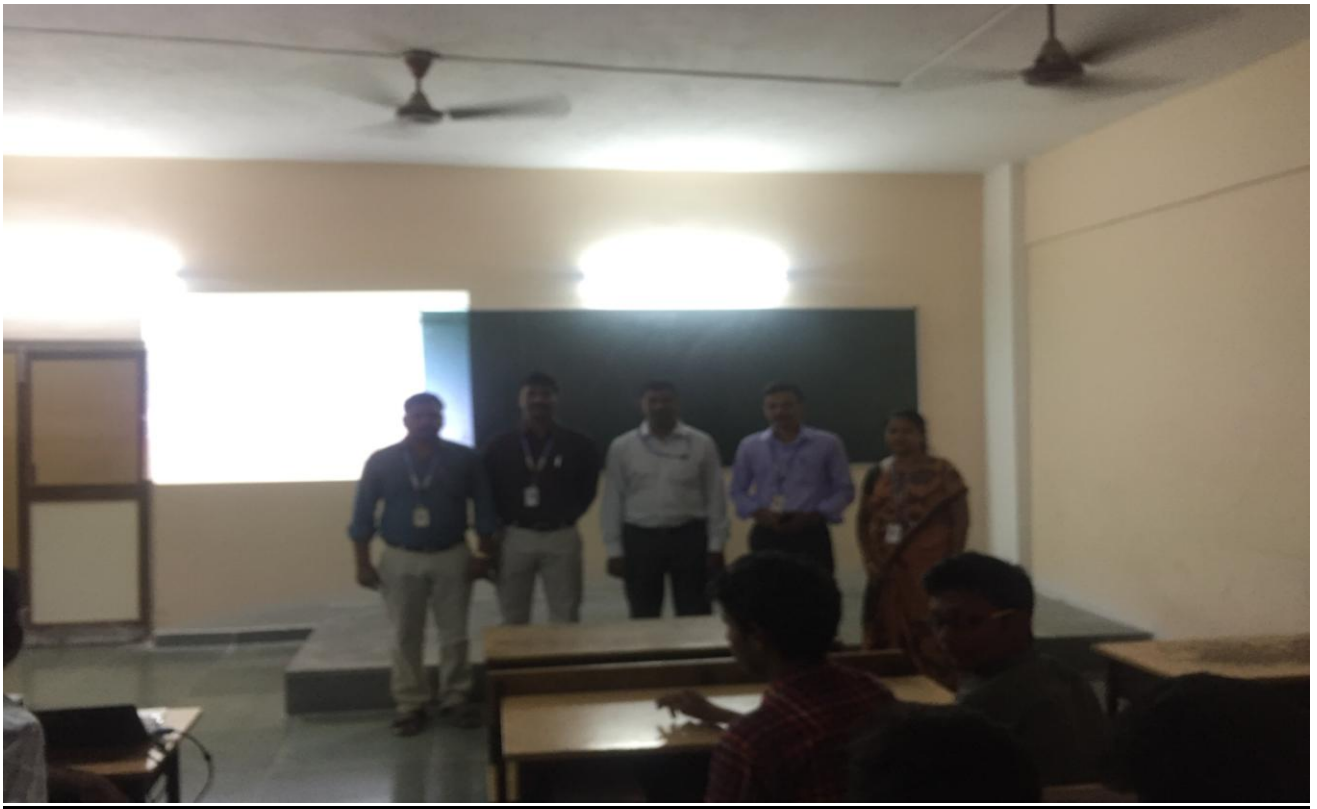
The third year EEE students visited to “Sathanur Hydro power plant” on 27th July 2018. The faculty members of EEE Mr.D.Murugananthan, Mr.D.Balaji and Mrs.R.Muthunagai has coordinated the Industrial visit.



Dept.of EEE organizing a Guest Lecture titled “PLC and SCADA –Industrial automation “to third and final year students on 31st July 2018.



Dept.of EEE organizing a one day external workshop on “**Testing of Electronics Devices**” to the second year EEE students on 31st July 2018. Mr.Raja, Raja Electronics, Cuddalor has addressed the session



FSG-Electrical Drives and Control group has conducted one day internal workshop on “Fundamentals of Electrical & Electronics Engineering” to II year EEE Students on 01st August 2018.



FSG- Power system group has conducted one day internal workshop on “**An overview to power system**” to the second year EEE students on 4th August 2018.



FSG- Power Electronics and Drives has conducted one day internal workshop on **“Introduction to MATLAB programming”** to the final year EEE students on 4th August 2018



Department of EEE signed Memorandum of Understanding with “Axis global automation private limited, Chennai” on 03rd September 2018.



The third year EEE students visited to **“Shapoorji Pallonji Solar PV Plant”** on 14th September 2018. The faculty members of EEE Mr.D.Murugananthan and Dr.G.Renuka Devi has coordinated the Industrial visit.



Dept.of of EEE organized National level workshop on **“Embedded controllers for Solar Energy system”** on 15th September 2018.

Student Participation:

- The following Students have attend the 5 Days Implant Training

S.No	Students name	Year	Company name	No of days	Duration
1	M.Swetharanyeswari Mohamed Aseem Padma Priya	IV	NLC	5 days	18-06 2018 to 30-06 2018
2	Thirunavukarasu Pravin Kumar S. Siva sankaran K Ramalingam S	II	SRM Institute of Science & Technology –Trend Instrumentation And automation	3 days	19-09-2018 to 21-09-2018
3	Ruban Yvon Revire Vimal Anbarasan Abilash Santhosh Kumar Vengatachalam Shyam Prasad Rahul Krishna Arun Abiraman Satheeshkumar	III	Lenovo	4days	19-09-2018 to 22-09-2018

- S.Saviour Kevin,III Year EEE won Mr.Pondicherry University and gold medal in 55 Kg in the Inter College Best Physique Tournament.
- Ragul Vijayan,Jayanthan,Sevendhan.T, II year EEE Participated paper presentation at Meenakshi Sudraneshwarar college on 9th September 2018.
- Rabiraji, II Year EEE won the gold medal Swimming Competition at Pondicherry University on 29th September 2018