

TECHVOLTZ-DEC2K20



SSCE

FAITH LEADS TO SUCCESS

DEPARTMENT OF EEE



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VISION OF EEE

To be a place of academic excellence by imparting quality teaching, carrying out research and technological development in frontier areas of Electrical and Electronics Engineering leading to global competence for the societal and industrial developments.

MISSION OF EEE

- To provide technical proficiency by adapting well defined teaching learning process.
- To create an environment to practice ethical codes.
- To prepare the graduates to be professionally competent with good communication and interpersonal skills to meet up the industrial needs.
- To motivate the students to pursue higher studies and research activities.

Program Educational Objectives

- ❖ To prepare the graduates with good attitude and strong knowledge in basics of Science and Engineering.
- ❖ To craft them to engross in life long process of learning to keep themselves abreast of new developments in the field of Electronics and their applications in power engineering for the enhancement of our society.
- ❖ To prepare the graduates to acquire successful technical and professional careers in their chosen fields such as circuit theory, Field theory, control theory and computational platforms, by upholding the professional ethics, by exhibiting professionalism.

Staff Activities/Publications/Achievements

- **S.Renuka**, A.Karan Raj Selvam, S.Nidish, “Electric Boat using Boost Converter” International Journal of Scientific Research and Engineering Development, ISSN: 2581-7175, vol.3, Issue 2, April 2020.
- **S.Renuka** attended Sky campus Super Session on the theme, Future of Education on 18 Jun 2020.
- **S.Renuka** participated in the ICT Academy Sky campus Super Session on the theme Change is the Essence of Life by Bharathi Baskar on May 25 2020.
- **S.Renuka** attended Sky campus: Digital Knowledge Series: Super Session on the theme Good Teacher to Great Teacher on May 14 2020.
- **S.Renuka** attended the Sky campus: Super Session on THE POWER OF A TEACHER on 04 May 2020.
- **J.GANESAN, P.RAMALAKSHMI, A.RAMALAKSHMI, T.DEVAGIRUBAI** published a paper on „TESTING OF LIQUID INSULATION USED IN HIGH VOLTAGE TRANSFORMER A MINI REVIEW“ International Journal of Research in computer Applications and robotics, Vol.8. Issue.2, pp.22-32, 2020.
- **J.GANESAN .M.Durai Selvam , K.Kodimurugan, N.Markkandayan** „Published a paper on „IMPROVEMENTS IN HEAT TRANSFER PERFORMANCE OF FLUID BY USING NANOPARTICLES“ International Journal of Research in computer Applications and robotics, Vol.8. Issue.2, pp.33-43, 2020.
- **P.Manikandan**, Published a paper on “automatic fault detection and location in industrial power distribution line using wi-fi” International journal for research and development in technology” Vol.13, issue 3, 2020.

- **P.Manikandan** Published a paper on “Smart home and gas leakage monitoring system, International journal for research and development in technology” Vol.13, issue 3, 2020.
- **P.Manikandan** Attended webinar on “construction of EHV lines and role of electrical engineers” at Francis Xavier Engineering College, on 17.07.2020.
- **A.Mariya Chithra Mary**, Published a paper on, „Dam water level monitoring and alert system using IOT“ IJRDT Vol 13,issue -3 March 20, 2349-3585.
- **A.Mariya Chithra Mary** Attended a webinar „Mobile Service“ at Crystal Clear Technology and innovation on 17.05.2020.
- **A.Mariya Chithra Mary** Attended a webinar „Energy Audit and Management in Industrial Motors“ at Ramco Institute of Technology, Rajapalayam, 02-06-2020.
- **A.Mariya Chithra Mary** Attended a webinar „Energy Efficient Lighting“ at Ramco Institute of Technology, Rajapalayam, 04-06-2020.
- **A.Mariya Chithra Mary** Attended a webinar „Layman Technique on Design of Solar PV system for Home“ at Ramco Institute of Technology, Rajapalayam, 05-06-2020.
- **M.Muthukumaran** Presented a paper on „Automatic irrigation system on sensing soil moisture content using soil moisture sensor“ IJTDT, Volume13, Issue3, 2349-3585.
- **J.Saravanan** Attended a free webinar “Simulation of Electrical and Electronics Projects using Proteus Software” held on Google Meet platform, organized by Department of Electrical and Electronics Engineering of Sethu Institute of Technology, Pulloor, Kariapatti on Friday, August 7, 2020.

- **J.Saravanan** Attended a webinar on “Opportunities in medical devices development Post Covid19” organized by the Department of ECE Anna University College of ariyalur 6th June 2020 .
- **J.Saravanan** Published a paper on „Application to Detect Obstacles for Helping Visually Impaired Using PID algorithm“ International journal of research and development in technology, 2020.
- **M.Ramachandran** Published a paper on, „Dam water level monitoring and alert system using IOT“ IJRDT Vol 13,issue -3 March 20, 2349-3585.
- **M.Ramachandran** Attended a webinar „Mobile Service“ at Crystal Clear Technology and innovation on 17.05.2020.
- **M.Ramachandran** Attended a webinar „Energy Audit and Management in Industrial Motors“ at Ramco Institute of Technology, Rajapalayam, 02-06-2020.
- **M.Ramachandran** Attended a webinar „Energy Efficient Lighting“ at Ramco Institute of Technology, Rajapalayam, 04-06-2020.
- **M.Ramachandran** Attended a webinar „Layman Technique on Design of Solar PV system for Home“ at Ramco Institute of Technology, Rajapalayam, 05-06-2020

Students Achievements/Participation

- ❁ All the second year EEE students attended the value added course on “Design of Electronic circuit using MULTISIM “ conducted by the department of EEE in the odd semester 2020-2021 and completed the course successfully with certificate of participation.
- ❁ All the third year EEE students attended the value added course on “Automatic machine control using PLC and SCADA “ conducted by the department of EEE in the odd semester 2020-2021 and completed the course successfully with certificate of participation.
- ❁ All the final year EEE students attended the value added course on “Programming with ARDUINO “ conducted by the department of EEE in the odd semester 2020-2021 and completed the course successfully with certificate of participation.
- ❁ Vivekananda Institution of Academy conducted Soft skills and Communication skill training classes for all the second, third and final year students from 26/10/2020 to 04/11/2020. All the students of our department attended the classes and got benefited.



Chief Guest Address

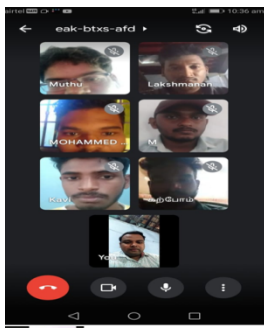


Gathering of Audience

DEPARTMENT ACTIVITIES

- Due to Pandemic Covid 19 situation most of the activities of the department are conducted in google meet platfor and zoom meeting.
- Department of EEE conducted the Guest lecture on Renewable energy usage in industries by Er.K.Nidish, Molex company on 11/07/2020.,Er.K.Nidish is the proud Alumnus of our college.
- Er.K.Nagapandi, Airtel LtdAlumni 2016 batch conducted the session on electrical drives in communication systems on 11/08/2020.
- Department of EEE conducted various competitive events such as quiz, Group discussion,essay writing and paper presentation to the students in the pandemic situation through online mode.

Glimpses of Various events



Alumni Guest Lecture
11/07/2020



Alumni Guest Lecture
11/08/2020



Industrial Guest lecture
23/09/20

Internship/Industrial Training

- To explore the students into the real time industrial world, the department of EEE is regularly arranging industrial visits to the core companies. Due to pandemic situations no industries permit the students for the visit this semester.
- Our students attended the internship and industrial training in online mode with the companies our department signed MOU.
- Our IV year students attended the industrial training at Ganesh Electricals ,Virudhunagar and Govind Electricals, Rajapalayam.



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