

CONGRATULATIONS

Sustainable Energy Champion-2019 was a State level Energy Championship organized by IEEE Kerala Chapter and SEEM (Society of Energy Engineers and Managers) involving more than 100 technical institutions in Kerala. As part of the competition, the student teams required to visit at least 10 houses in their locality and identify opportunities for energy conservation, improvement in energy efficiency and generation of renewable energy. The following students of the department became the State Level Winners in the final Competition held at Evergreen Energy Technologies Pvt Ltd Kochi on 03-08-2019. Ankita K, Arjun Balakrishnan, Merin Mariam Jose, Reshma S and Sachin M. They were guided by Prof Saina Deepthi.



INDUCTION PROGRAM FOR UG STUDENTS



Dr. M. Waheeda Beevi, Professor-in-charge of PG studies of the department delivered a talk on the opportunities and challenges of electrical engineering.

Dr W C Arun Kishore gave a talk on the Outcome Based Education (OBE). Many inspiring talks and activity sessions were conducted for 3 weeks. The students were taken for a tour of Trivandrum city. They were accompanied by Dr N Mayadevi.



Prof Saina Deepthi, Prof G Vijayasree, Dr V P Mini, Prof Vivek, Prof Zubin and Prof Monish.



From the Editor's Desk

The Department witnessed a hive of activity during this session. The National conference on Innovations in Electric Vehicle Technologies and TESLA 2019 conducted by the Department found active participation by students, academicians, researchers and persons from industry. Congratulations to the team of 5 students who won the state level championship. Orientation program is the first step in the remarkable journey of all first year students. The department conducted orientation classes for UG as well as PG students. I take this opportunity to congratulate and welcome all the freshers. The department is expected to be in a festive mood next month with the oncoming Onam celebrations!



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NEWS LETTER

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DEPARTMENT OF ELECTRICAL ENGINEERING



Vision	Mission	Program Educational Objectives
Be a centre of excellence and higher learning in Electrical Engineering and allied areas.	<ul style="list-style-type: none"> To impart quality education in Electrical Engineering and bring-up professionally competent engineers. To mould ethically sound and socially responsible Electrical Engineers with leadership qualities. To inculcate research attitude among students and encourage them to pursue higher studies. 	Graduates will <ol style="list-style-type: none"> Excel as technically competent Electrical Engineers. Excel in higher studies and build on fundamental knowledge to develop technical skills within and across disciplines. Have the ability to function effectively as members or leaders in a technical teams. Adapt to changes in global technological scenario and societal needs through lifelong learning.

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NATIONAL CONFERENCE

The Department co ordinated a National Conference on "Innovations in Electric Vehicle Technologies (IEVT 2019)" during 7 - 9 March, with a focus to discuss the present status of EV technologies in India, the advances in this technology area and obtain a fairly good direction for the future. The sessions were planned such that the EPS and ESS areas are well focussed and the participants also get a good understanding on the overall growth of EV technology industry in India.

There was good participation from academic institutes, industry and other Government organisations in the conference and an exhibition was also organised focusing electric vehicles and charging infrastructure.

The three-day conference was inaugurated by Sri. K. R. Jyothilal IAS, Principal Secretary, Dept. of Transport, Govt. of Kerala in a session

chaired by the Principal, College of Engineering Trivandrum.



Welcome address by Dr. S. Ushakumari

In the inaugural address, Sri. K R Jyothilal elaborated on the prospects of e-mobility and stressed the need of the participation of academic institutes in the action plan. Dr. S Ushakumari HOD, Dr. PG Jairaj, Dean(Research), Dr. Savier J S, and Dr. Francis M Fernandez, spoke at the inaugural



Lighting Lamp by the Chief Guest

session. The keynote address was delivered by Dr. P V Unnikrishnan, Strategic Advisor, Kerala Development and Innovation Strategic Council (K-DISC). In his address he compared the growth of Electric Vehicle Industry in India with that of other countries and stressed that India is well below the level of other countries. Talks were delivered by Sri. Vijayan Nandalan, Former Scientist, ISRO, Smt. Sujatha S, Head of Advanced Power System Division, VSSC, Sri. Anush Nair from Tata Elxsi, Technopark, TVM etc. The conference had many more technical sessions and contributory papers. There was also a panel discussion on second day of the conference.



Keynote address by Dr P V Unnikrishnan

TESLA 2019



Tesla is the annual technical symposium of the Electrical and Electronics Department. Tesla 2019 took it up a notch this year as it was a three day fest, happening on the 8-10th of March, 2019. All days had various competitions, expo, talks, project displays spread out with ample timed gap so that everyone could enjoy the display of technical prowess, managerial skills and the unity of this department.



The following were the successful projects that were built and displayed during the course of the fest. Persistence of Vision, Tesla Coil, Musical Tesla, Hologram, Infinite Mirror, Face Unlock, Gesture Controlled Bot, All Terrain Bot, Line Follower, LED Cube. A series of workshops were also conducted in ROS, Home Automation, PCB Design, Basics of Java, Bosch Rexroth.

PAPER PRESENTATION



Prof A Asok Kumar presented paper, titled, "Energy Efficient Drive system for Domestic and Agriculture Applications: A comparative Study of SPIM and SRM Drive", in the 19th IEEE

International Conference on Industrial Technology (ICIT2018), in Lyon, France from 20-22, February 2018

TALKS DELIVERED

Dr Dinesh Gopinath, delivered a talk on how to do worthwhile projects in Electrical Engineering during a workshop jointly coordinated by IEEE, PES Kerala in Rajiv Gandhi Institute of Technology, Kottayam.



GRADUATION DAY 2019



The graduation day ceremony for the 2018 pass out students was held in March 2019. Er. E. Sreedharan was the chief guest.

RENOVATION OF LAB

The software laboratory was renovated with state of the art computer facilities. The inauguration of the renovated lab was done by Dr P Sreejaya, HOD, by lighting the lamp. This major work was coordinated by Prof S Shenil and Dr N Mayadevi.



ORIENTATION FOR PG STUDENTS



The orientation program for first year P G students was held. The HOD, PG coordinator and the stream heads addressed the students.