

FULGUR



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JANUARY 2023

DEPARTMENT OF EEE
NPSBCET

VISION OF THE INSTITUTE

To be a globally recognized academic institution and thereby contribute to technological and socio-economic development of the society

MISSION OF THE INSTITUTE

1. To Develop the needed resources and infrastructure, and to establish a conducive ambience for the teaching - learning process.
2. To Engage Committed members of faculty who will infuse subject knowledge with latest teaching pedagogies
3. To Ignite the desire for higher learning, research and entrepreneurship and equip them to face the global challenges
4. To Engage the alumni professionals as productive partners with the IS current students to help to enrich and enhance their student life

MISSION OF THE EEE DEPARTMENT

M1: To provide a good infrastructure and serene environment to cater the curriculum requirements of Electrical and Electronics Engineering.

M2: To motivate the students and faculty towards research activities in association with industries.

M3: To provide a conducive environment for students to enhance their co-curricular, soft skills and ethical values for their career development.

M4: To stimulate continuing education for creating quality engineers towards sustainable improvement in the society.

PROGRAM EDUCATIONAL OBJECTIVES

PEO 1: Procure optimum solution for Electrical Engineering problems in order to cater a successful professional career.

PEO 2: Demonstrate creativity in the engineering practices including entrepreneurial and collaborative ventures with strategic thinking, if planning and execution for lifelong learning.

PEO 3: Exhibit to communicate effectively, recognize and incorporate societal needs and constraints in their professional endeavours and practice the profession with high regard to legal and ethical responsibilities

PROGRAM SPECIFIC OUTCOME

PSO 1: Shall have Potential to analyze, design, synthesize and provide technical solutions in the field of Power generation, distribution, renewable energy systems and Embedded Systems.

PSO2: Shall exhibit leadership skills, pursue entrepreneurship and contribute in the field of Electrical and Electronics Engineering.

ALL THE FACULTY MEMBERS OF EEE DEPARTMENT HAVE ATTENDED 5 DAYS FDP AT VELLS INSTITUTE OF SCIENCE & TECHNOLOGY



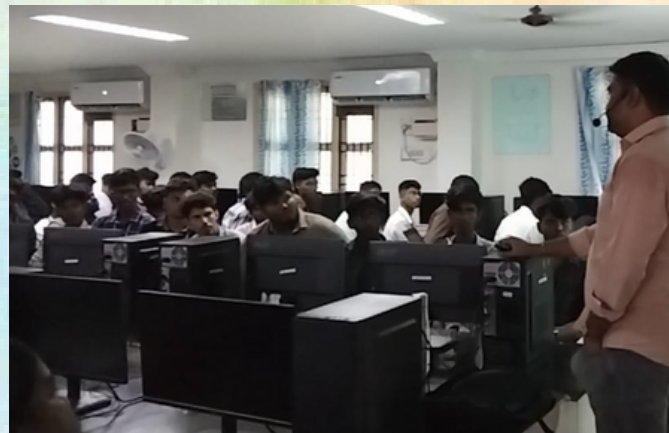
Publications

R.Venkatasubramanian published a paper titled "Power yield improvement of wind turbine and fatigue load mitigation using predictive-based Active flow controller Energy Reports 2022-11 | Journal article, DOI: 10.1016/j.egyr.2022.10.285, Part of ISSN: 2352-4847, G. Srinivasa Sudharsan; R.Venkatasubramanian; N. Hemalatha; Radhika G. Deshmukh; Mohana Alanazi; Ahmad Almadhor; S. Lokesh; Karthikeyan N.; M. Sudhakar.

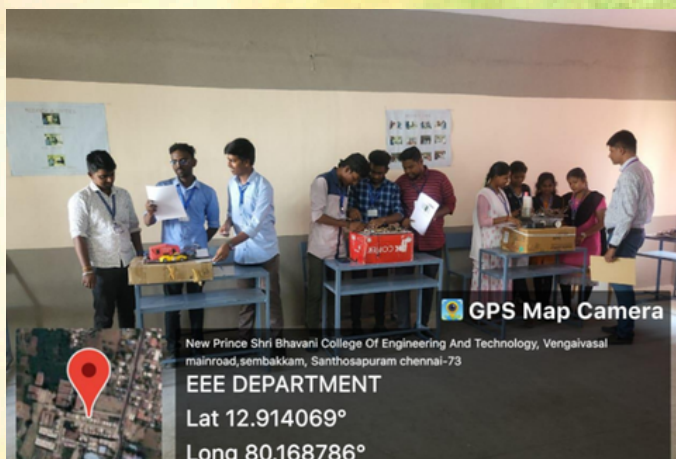
Events Organized

CERTIFICATE COURSE:

The Department organized a certificate course on "CC10507 Mastering Virtual Instrumentation: From Theory to Practice " for the Electrical and Electronics Engineering students from 28.8.2022 to 25.09.2022 on every Sunday. The course has been trained by the experts from Labtech Electronics Pvt. Ltd., Chennai. Around 29 students have completed the course. Ms.R.Revathi AP coordinated the programme.



Idea Contest



Institutions Innovation Council & Department of Electrical and Electronics Engineering, Technology Jointly Organizes "Intra College Innovation Contest " on 20.12.2022. The event was inaugurated on 20.12.22, 10.00a.m at Project lab, EEE dept. Dr.R.Sasikala Associate Professor Dept of EEE delivered the welcome address.

Dr.R.Venkatasubramanian HOD Dept of EEE delivered the special lecture on Innovation, Startups and he act as the Jury for the Innovation Contest.



seminar

A seminar on the topic “Patent Filing Process in India” was conducted by the Department of Electrical and Electronics Engineering on 28.10.2022. Dr.S.Parthasarathy, IIC Innovation Ambassador, Associate Professor / EEE was the resource person of the event. By attending this program, the faculty and students were able to know about the fundamentals about patent and also the procedures and difficulties in filing a patent.



Expert talk

Expert talk on Recent Trends in Embedded systems has been arranged on 01.11.22 , Mr. George Amal Jose, Managing Director, Foreview Technologies, Chennai delivered the lecture about the current trends in embedded systems.



Industrial Visit

Industrial Visit to Brakes India Limited was arranged on 4.11.22..During this visit, students learned about various kinds of brakes available in the market, and the process of manufacturing of Brake parts. Students also visited the Production, Inspection and Quality, Packaging department of the plant. The session was ended with a healthy Q&A session with the plant in-charge as students want to clear their queries. The overall experience was very knowledgeable and skill worthy.



INDUSTRIAL VISIT to THERMAL POWER PLANT, NORTH CHENNAI THERMAL POWER STATION-2, ENNORE-CHENNAI has been arranged on 10.11.22 .



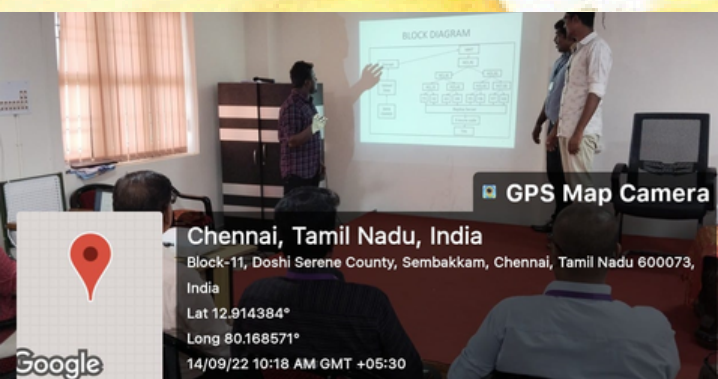
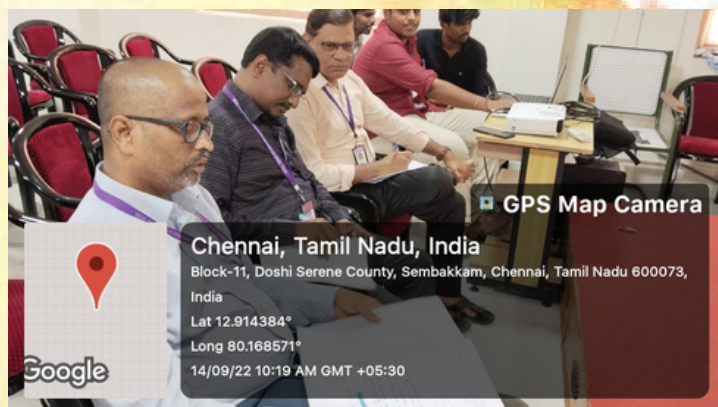
Department had organized an industrial visit on 19th October 2022 for the students of Electrical, Electronics and Mechanical Engineering to Shree Technologies and Training Center located in Chennai. Got practical knowledge about the technology of A Information on different parts & use of PLC and Aurdino based machines with multiplecutting tools.

STUDENT PARTICIPATION

PRIYANKA.V has attended an industry Guest-Lecture on “Solarprojects, FutureTechnology, Growth&Opportunities” Organized by Deptment of Electrical & Electronics Engineering, in association with IEEE, ISTE Studends Chapter and IIC Madanapalle Institute of Technology and science, Madanapalle on 17-09-2022

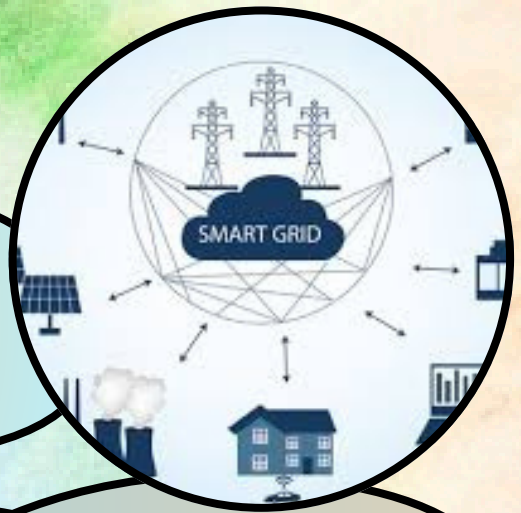


Sahil Dhanaji Zimal & Robinson.R of III year EEE students secured II prize in the ELAN 2K22 - National Level Technical Symposium organized by Jeppiaar SRR Engineering College, Chennai on 23.10.22.



Presentation of Innovation Ideas was organized by the department on 14.09.22. The program was conducted for the students in order to improve their knowledge about the Innovative Ideas and helping them to find the right path for building up their carriers. The resource persons of the talk Dr.P. K.CHIDAMBARAM, Prof HOD MECH, Innovation Ambassador, Dr.S. PARTHASARATHY, Prof / EEE, IIC Innovation Ambassador, Dr.S. SUBBURAM, Prof/HOD IT, IC Innovation Ambassador.

FUN FACTS



Smart grids are electricity network that use digital technologies, sensors and software to better match the supply and demand of electricity in real time while minimizing costs and maintaining the stability and reliability of the grid.



The use of smart wearable devices – think fitness trackers, heart rate monitors, sleep trackers, smartwatches, rings, and even glasses – has grown exponentially in recent years. And with each new iteration, these technological marvels inch us closer to a future Brave New World that was only imagined as recently as a generation ago.

Editorial Board:

crows word answer publication

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