

DEPARTMENT OF EEE

PRESENTS

FULGUR

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JANUARY 2021-JULY2021

NPSPCET

VISION OF THE INSTITUTE

To strive for excellence in imparting technical education by promoting innovation, creativity and entrepreneurial abilities of the students.

MISSION OF THE INSTITUTE

1. Enhancing the effectiveness of teaching-learning process by providing a stimulating learning environment
2. To establish R&D centers, incubation centers and centers of excellences in latest technologies and provide a platform for students to interact with the industry.
3. Achieving Academic excellence by imparting knowledge and skills through problem solving, practical training and design development of innovative projects.
4. Sensitizing students to social and environmental issues.
5. Inculcating discipline in students and make them technologically and ethically strong

VISION OF THE DEPARTMENT

To produce globally competent Electrical and Electronics Engineers who can cater to the contemporary needs of the Industry and Society.

MISSION OF THE 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, 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 OUTCOMES:

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.

Faculty Achievements

Publications:

Dr. S.Partharavathy, professor of electrical and electronics engineering department. Filed a patent title " Security Protocol to prevent Attacks from Programmable Matter in IoT Networks", if gets granted on 21.02.21

Dr S. Senthilkumar, Professor of Electrical and Electronics Engineering department Filed a patent titled cloud data stored on FOG IOT platform . It gets granted on 12.08.21

FDP ATTENDED:

Dr.S.Parthasarathy , Dr.C.F.Theresa Cenate, Dr.S.Sendilkumar, Dr.S.Senthilkumar ,Ms.S.Ananthi , Mrs.M.Devi have attended AICTE Sponsored Two Week Online FDP on "Applications of Machine Learning and Deep Learning in Electrical Engineering Series II" from 24-05-2021 to 05-06-2021.



Dr.S.Senthilkumar has completed 6 days International FDP on "Trends in Automotive Technology" from 17-05-2021 to 22-05-2021.

Mr. K. Sarathy has completed 14 days Online FDP on "Entrepreneurship" from 20-01-2021 to 04-02-2021.

Students Achievements

E.Ajithkumar, T.S.Aswin, E.Nanthakumar, G.Ramkumar, has presented a paper title named “Arduino Based Intelligent Walking Stick for Physically Impaired Persons” in the Virtual International Conference on Power and Energy Systems’ ICPE2K21’ Organized by P.S.R Engineering College at Sivakasi, on 7th & 8th May 2021. They all got the Best Paper Award.



S.Sasikumar, IV EEE & M.Tamilselvan, III year EEE won third place in the the Volley Ball match, Anna University Zonal Tournament held at Tagore Engineering College, Chennai on 29.04.21.



D. Aravindakshan has participated the National Level Indian photography Contest. He got a Appreciation and Certificate for His Hard Work, Dedication and Achievement from the Snap India.



Aswin.T.S actively participated in the webinar on “TESTING OF ELECTRICAL EQUIPMENT IN SUBSTATION” organized by FRANCIS XAVIER ENGINEERING COLLEGE, Tirunelveli on 20.5.2021.



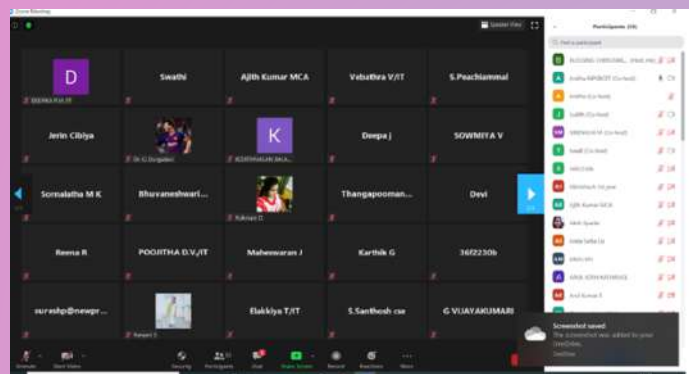
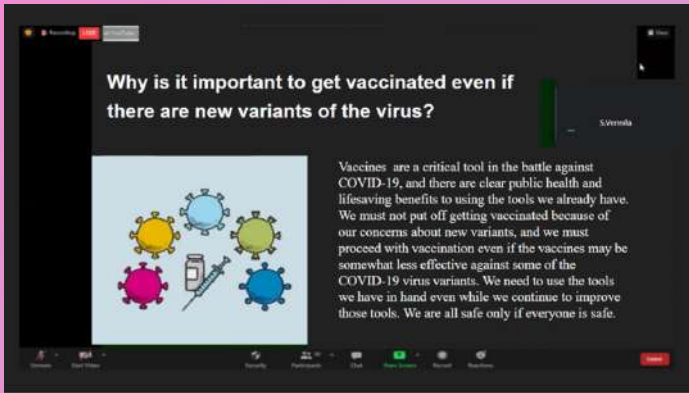
BUSINESS PLAN CONTEST



Business Plan Contest is conducted to serve a valuable motivation for the students of New Prince Shri Bhavani College of Engineering and Technology aspiring to become entrepreneurs. The main aim of organizing these programmes, is that it would serve a valuable motivation for the students aspiring to become entrepreneurs after completion of their graduation. For this session we had our special invitee Dr G.Sarika Asst Professor Grade 1 Sai Ram Institute of Technology, Chennai.

Events Organized

AWARENESS PROGRAMME

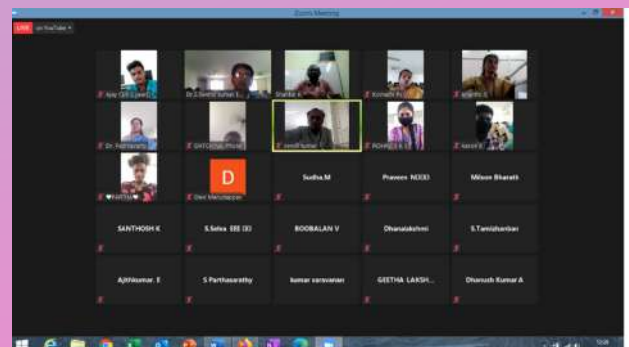


To raise awareness and to protect employee's lives, the Department of Electrical and Electronics Engineering organized Covid-19 Awareness program on 22.1.2021. The Resource Person of the Program was Mrs.S.Vennila,B.Sc., MBA, Staff Nurse, Chengalpet Govt. College and Hospital. The Program was started with a Welcome Address by the Program Coordinator Dr.C.F.Theresa Cenate, Professor, EEE.Chief Guest Introduction by Dr.S.Senthilkumar , Professor, EEE. Then the session was handed over to the resource person. She delivered the Importance of Covid - 19 vaccination and the current scenario ongoing in the hospital. All the Faculty members interacted with her and cleared their doubts about getting vaccinated.Then finally vote of thanks was given by Dr.S.Senthilkumar, Professor, EEE.

Webinar:

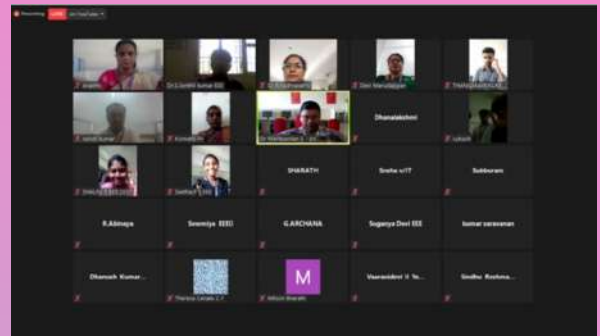
A webinar had been conducted on the Title” Idea to Product: An Entrepreneurial Perspective” (A Part of National Innovation & Start-up Policy Implementation). The date for the program conducted by you will be on 19th March 2021 and the session will begin at 10.30 am as resource person Dr. Shankar. Department: EIE Assistant Professor Grade EEE, National Institute of Technology Silchar. Cachar, Assam, India.

The program starts with welcome address by Dr.S. Senthil kumar, prof/EEE, new prince shri bhavani college of engineering, Chennai and the resource person start his lecture on the title “Idea to Product: An Entrepreneurial Perspective” to the students, In his lecture he discuss about -The Crucial Steps for Going from Business Idea to Launch,



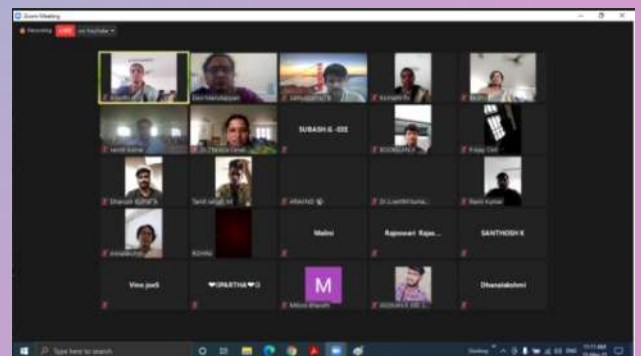
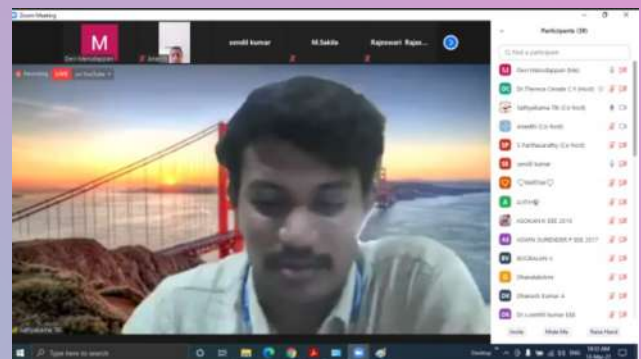
Webinar:

Webinar on Idea Generation for Budding Engineers is organized on March 26, 2021. Dr.S.Markkandan, Assistant Professor ,Dept. of ECE, SRM TRP Engg. College,Trichy was the resource person of the event.he shared the process of making an idea or invention into a good or service that creates value and/or for which customers will pay. He motivated the participants to improve thinking skills.Dr.Senthilkumar Asso.Prof. / EEE hosted the webinar. At the beginning, Dr.R.Padmavathy, Asso.Prof. / EEE gave a welcome address and after the presentation Ms.S.Ananthi, Asso. Prof. / EEE, delivered the vote of thanks.



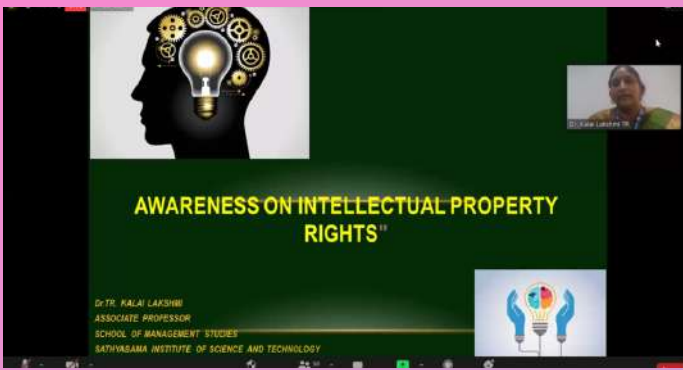
Webinar:

Webinar on” Angel Investment /VC Funding Opportunities for early stage Entrepreneurs “for our students on 13.03 2021 between 10.30a.m to 11.30a.m. Ms.S.Ananthi, Asso.Prof /EEE Coordinator of this program welcomes the gathering in the presence of Dr.T.Saravanan, Principal, Dr.S.Parthasarathy, HOD/EEE . Mr. Kishore Kumar S, TBI – Manager, Sathyabama-Technology Business Incubator (supported by NSTEDB-DST), Sathyabama Institute of Science and Technology, Chennai,was the guest speaker during the webinar and he addressed the different funding opportunities available for entrepreneurs and his inspiring presentation motivates the students to become an entrepreneur.



Workshop:

Workshop titled “Awareness on Intellectual Property Rights” for our students on 23.01.2021 between 11.30a.m to 12.30p.m. Dr.C.F.Theresa Cenate Prof /EEE ,Coordinator of this program welcomes the gathering in the presence of Dr.T.Saravanan, Principal, Dr.S.Parthasarathy, HOD/EEE.Dr.T.R. Kalai Lakshmi, Associate Professor, School of Management Studies , Sathyabama Institute of Science and Technology, Chennai, was the guest speaker during the webinar and she addressed upon what is Intellectual Property, why we need it, what are the types of IR, types of IPR, Validity of Patent, relationship between IPR, briefing on patents, its types, What is property of patent, steps involved in industrial designs, geographical indications, trademarks, term of copyright, criteria’s for patenting, how to patent, its application, patent filing and grant procedure was explained elaborately.



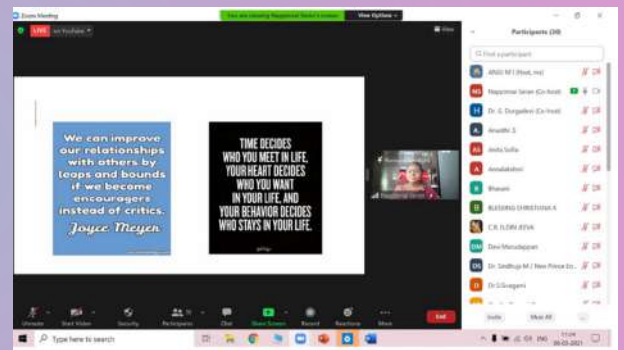
Training Attended:

Milson Bharath D, has Successfully completed Internship at National Gears Training that was held on 21.05.2021 to 05.07.2021.

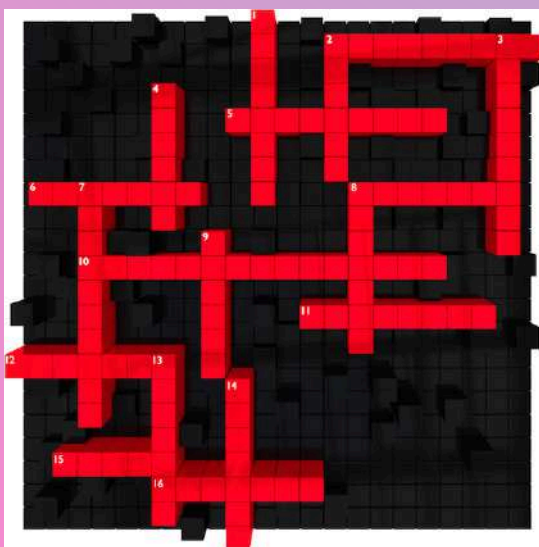


Womensday Celebration

Women's day was Celebrated on 8th March 2021 @ 10.30AM . The Speaker Dr. Nappinnai Seran , Ph.D., She is a Marriage and family Therapist. It was conducted by Zoom meeting under the topic of Healthy Relationship: Needs and Boundaries



Cross word



Across:

2. A diagram that shows the electrical connections of the electronic components
5. Current is considered to be the movement of _____.
6. A voltage source that converts chemical energy to electrical energy
8. A flow of electric charge
10. A characteristic of a secondary cell
11. A material that is composed of a mixture of elements
12. The term used to designate electrical pressure
15. A short circuit will have a _____ current flow.
16. The part of an atom that has no electric charge

Down:

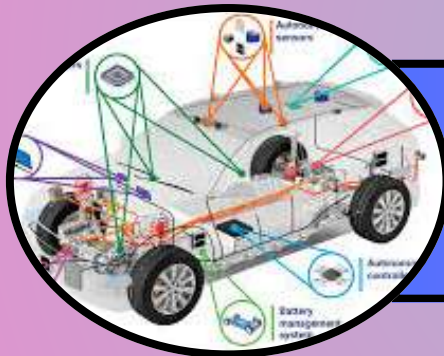
1. A voltmeter is used in _____ with the circuit.
2. A device that opens or completes an electrical path
3. A material that opposes the movement of free electrons
4. One coulomb passing a point in one second
7. A resistive component that is designed to be temperature sensitive
8. A unit of charge that contains 6.25×10^{18} electrons
9. An atom's atomic number is determined by its number of _____.
13. A substance that is found only in its pure form
14. It is used to measure current.

COOL TIDBITS

Games, puzzles and reading can slow cognitive decline in the elderly —even in those with mild cognitive impairment.



In the ideal scenario for autonomous vehicles (AVs), traffic congestion is greatly reduced; people unable to afford or operate personal vehicles have access to a new form of mobility for jobs and hospital visits; and cars are able to wirelessly communicate with cities about roadway trash or potholes.



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