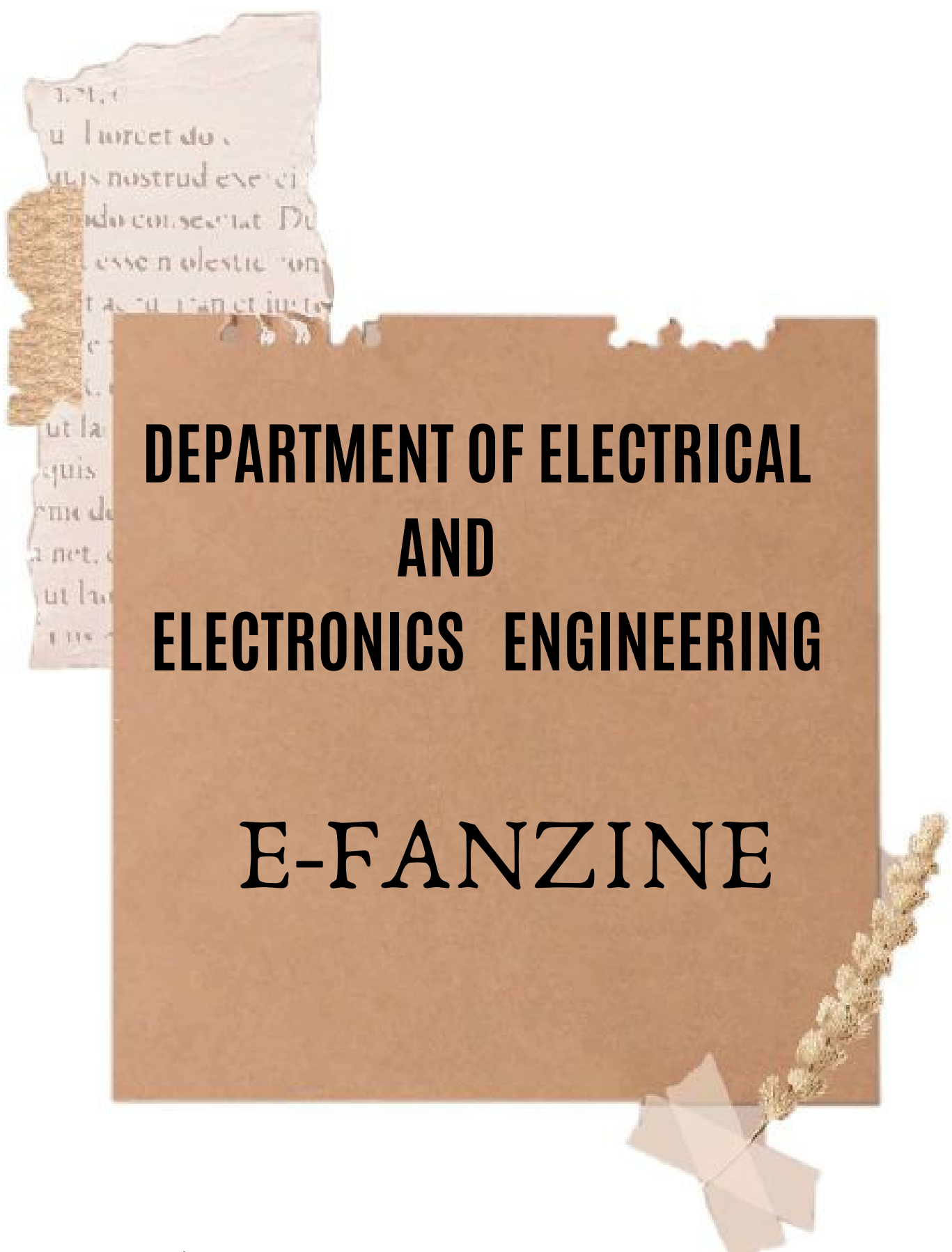


NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY



**DEPARTMENT OF ELECTRICAL
AND
ELECTRONICS ENGINEERING**

E-FANZINE

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COLLEGE VISION MISSION

Vision of NSCET

Place for Technology Revolution

Mission of NSCET

- Promote and undertake all - inclusive developments.(vision)
- Develop high quality technical education with academic excellence and innovative research with ethics.(TLP)
- Create an atmosphere where teacher enjoys facilitation and learners (students) enjoy learning through Foster innovation.(PEO & PSO)
- Collaborate with industry and academic to meet the changing needs of society.(PO Attainment)

Department Vision Mission

Vision

Emerge as a valuable global resource for power sector and consumer electronics.

Mission

- *Establish the cognitive and effective domains of students through appropriate teaching-learning process and industry-institute interactions.*
- *Execute projects with integrity and ethics keeping pace with the latest trends in power electronics industry.*
- *Develop energy technology park to handle various sustainability challenges of the society.*
- *Upgrade the knowledge and skills of faculty through quality improvement programmes*

From HOD desk

Good day, everybody.

Greetings!!! From the department of Electrical and Electronics Engineering of NSCET. The department of EEE is one of the oldest engineering departments which Enlightens any another engineering discipline. Can you think of a minute without ELECTRICAL POWER? NO, We can't. The cross country power transmission lines, house-hold lights, and motors to name the very few are the best examples illustrating this. We, the electrical engineers have created a great infrastructure in which the world runs on top of it. We will also create the future WIRELESS POWER TRANSFER, SOLAR POWER, ELECTRICAL VEHICLES, to name a few . The future is OUR's .

We dedicate E-FANZINE, to the students' fraternity of EEE department of our institution. Students can actively do a variety of activities which takes them towards becoming an industry leader. All of these activities can be documented in this newsletter. This newsletter is monthly where any students and faculty can contribute to it. I wish all the students and faculty make full use of it and a grand success.

M.Arivalagan
HOD/EEE.

Staff Activities



Mr.M.Arivalagan HOD / EEE

He has participated in webinar problem-solving and ideation presented by Mr. Sakthivel Kaliyappan founder and CEO Rainman enviro solutions Madurai organized by department of computer science and engineering held on 30th December 2020 through online pedagogy.



Mrs.K.Malar AP/EEE

She has actively participated in AICET Sponsored Online Faculty Development Programme on Technical Trends in IoE, Data Science & Artificial Intelligence from 14th December 2020 to 28th December 2020 at P.S.R Engineering College, Sivakasi .



Mr.K.Ganesh AP /EEE

He actively participated in webinar problem-solving and ideation presented by Mr.sakthivel kaliyappan organized by the department of computer science and engineering held on 30th December 2020 through online pedagogy.



Mrs. B. Shanthini AP/EEE

She has participated in webinar problem-solving and ideation presented by Mr. Sakthivel Kaliyappan organized by department of computer science and engineering held on 30th December 2020 through online pedagogy.

she actively participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 2020-12-28 to 2021-1-1 at NIT, Tiruchirapalli.



Ms.G.Sujitha AP /EEE

She has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Energy Engineering" from 2020-12-28 to 2021-1-1 at the National Institute of Technology, Tiruchirapalli.

She also participated in webinar problem-solving and ideation presented by Mr. Sakthivel Kaliyappan founder and CEO Rainman environmental solutions Madurai organized by the department of computer science and Engineering held on 30th December 2020 through online pedagogy.



Ms.M.DivyaBharathi AP/EEE

She has participated National Webinar on "Implementation of Domestic Violence Act and Effectiveness There of" funded by the National Commission for women New Delhi conducted by the Women's Studies in Association with National service Schemes Bharathiyar University, Coimbatore 18th to 19th December.

she actively participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Wearable Devices" from 2020-12-14 to 2020-12-18 at the National Institute of Technology Jamshedpur.

she has participated in the Three-day international Webinar on 'MENTAL WELL BEING OF TEACHERS' organized by Faculty Development Centre, Tamil Nadu Teachers Education University, Chennai (A Scheme of PMMMNMTT - FDC Project, Department of Education, Govt. of India, New Delhi) from 23-1-2020 to 25-12-2020 .

she has participated and successfully completed the AICTE-AQIS sponsored one week online Short Term Training Program (STTP-II) on "Recent Advances in Nano-Photonics Technology (RANPT 2020)" held from 14-12-2020 to 19-12-2020 at Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur.



Mrs.R.Chitra AP /EEE

She has participated in AICTE sponsored 6 days short-term training program on Biosensors, Medical imaging, and signal processing Technique for disease Diagnosis at PSNA College of Engineering and Technology, Dindigul from 14th Dec to 19th Dec 2020.

She has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Sensors Technology" from 2020-12-07 to 2021-12-11 at the National Institute of Technology, Tiruchirapalli.

She actively participated in webinar problem-solving and ideation presented by. Mr.sakthivel kaliyappan founder and CEO Rainman enviro solutions Madurai organized by the department of Computer Science and Engineering held on 30th December 2020 through online pedagogy.



Ms.M.Gayathri AP / CSE

She has participated in webinar on problem-solving and ideation presented by Mr.sakthivel kaliyappan founder and CEO Rainman enviro solutions Madurai organized by the Department of Computer Science and Engineering held on 30th December 2020 through online pedagogy.



Mr.P.Surlimani AP/Mech

He has participated in the Seven days Faculty Development Programme(FDP) on“ Recent Advancements in Electric Vehicle Technologies” held during 8 Dec to 14 th Dec 2020

He actively participated in webinar on problem-solving and ideation presented by Mr.sakthivel kaliyappan founder and CEO Rainman enviro solutions Madurai organized by the Department of Computer Science and engineering held on 30th December 2020 through online pedagogy.

Student Activities

Webinar Participation

Around 36 students in our Department have actively participated in webinar on "Problem-solving and ideation" presented by, Mr.sakthivel kaliyappan , founder and CEO Rainman enviro solutions Madurai, organized by the Department of Computer Science and Engineering held on 30th December 2020 through online pedagogy.



Electrical Trends

ABB POWER GRIDS INDIA AND NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL TO DRIVE SMART ELECTRIC GRID EDUCATION

India's electric grid is transforming with the penetration of renewables and need for reliable power under the 'One Nation – One Grid – One Frequency' roadmap. The government is striving to provide 24x7 power for all the households, while honoring its climate commitments and Sustainable Development Goals. A smart grid can help balance both, facilitating a safe, cost-effective, clean and reliable power network. For a nation-wide smart electric grid, India's education system and future talent play a vital role. In recognizing this need, ABB Power Grids India has partnered with the Department of Electrical Engineering of NITW to develop a unique Master of Technology program in Smart Electric Grid (SEG) from the current academic year. "This is an important partnership that will strengthen collaboration between academia and industry," said N Venu, Managing Director, ABB Power Grids India. "Building the right talent pool is crucial for building a sustainable grid of the future. And we are really pleased to be partnering with NITW to achieve higher levels of technical excellence in this domain. This is part of our continued focus on education and skill development – aligned with initiatives such as Skill India - and will help advance efforts in bringing power to all while cutting carbon emissions,"



Courtesy: http://www.electricalmirror.net/Home/article_single/192

ELECTRIC VEHICLE OUTLOOK 2020

The Electric Vehicle Outlook is Bloomberg NEF's annual long-term forecast of how electrification, shared mobility and autonomous driving will impact road transport from now out to 2040. It covers light duty passenger vehicles, commercial vehicles, buses, and two/three-wheeled vehicles. The report draws on our team of specialists around the world and looks at how these trends will impact the automotive, energy, infrastructure, and battery materials markets over the next 20 years. Automakers are accelerating their EV launch plans, partly to comply with increasingly stringent regulations in Europe and China. COVID-19 will delay some of these, but by 2022 there will be over 500 different EV models available globally. Consumer choice and competitive pricing will be key to attracting new buyers to the market.

Courtesy:<https://about.bnef.com/electric-vehicle-outlook>





Department Activities

Our final year students have started their project work .

o ' th review for Project work Was Conducted for final year Students on the Dec 29 & 30th .

Our final year students were split up into 7 batches and they were asked to start their project work .

They were also insists to do their innavotive project .

Editorial board

Editor in Chief

Mr. M.Arivalagan HOD/EEE

Editor

Ms. G.Sujitha AP/EEE

Design Team

Ms.M.DivyaBharathi AP/EEE

Student Member

Aisswarya Lakshmi.M

Abinayadevi.A

Nisha.V

Senthamilan.S

Shanmuga pandian.M

Sutharsan.T

Sundharamagalingam.M