DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

FULGUR

THE HALF- YEARLY DEPARTMENT NEWSLETTER

Volume 5 Issue 2

JANUARY 2K22

NPSBCET

AUGUST 21 TO DECEMBER 21.

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 teachinglearning 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

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.

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.

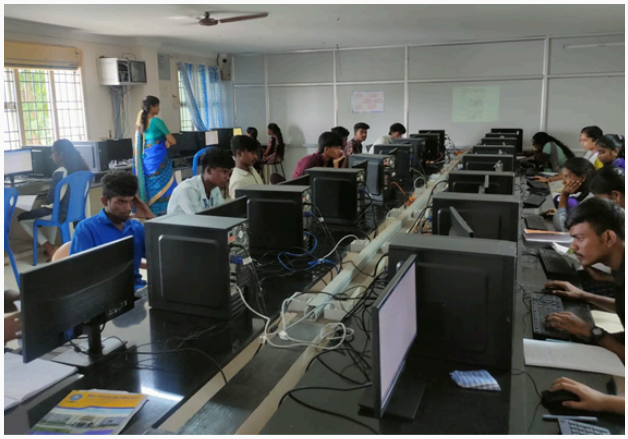
PUBLICATION DETAILS :

Venkatasubramanian, R published a paper on" Smart Grid Based Multiagent System" in Transmission Sector Proceedings of the 3rd international Conference on Inventive Research in Computing Applications, ICIRCA 2021, 2021 | Conference paper, DOI: 10.1109/ICIRCA51532.2021.9544644, EID: 2-s2.0-85116924822 CONTRIBUTORS: Rubavathy, S.J.; Venkatasubramanian, R.; Kumar, M.M.; Ganthia, B.P.; Kumar, J.S.; Hemachandu, P.; Ramkumar, M.S. Source: Scopus – Elsevier.

EVENTS ORGANISED

CERTIFICATE COURSE

A certificate course on "CC10506 - PROGRAMMABLE LOGIC CONTROLLER" has been conducted for the final year students from 19.9.2021 to 24.10.2021 on every Sundays. Around 40 students including final year EEE and Mechanical completed the course. Mr K.Sarathy coordinated the program ....



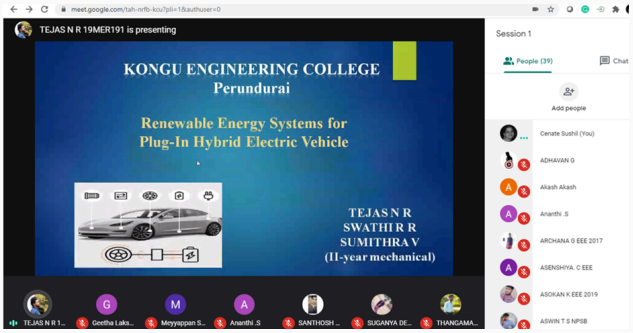
GUEST LECTURE :

Guest lecture was conducted by department of EEE on 10.10.21. Mrs .R.Priyadharshini , Associate Professor, Department of EEE, Sri Ramanujan Engineering college. Chennai was the resource person . She delivered the lecturer on Introduction to Importance of Total Quality in Achieving organizational Excellence . Programme Coordinator .

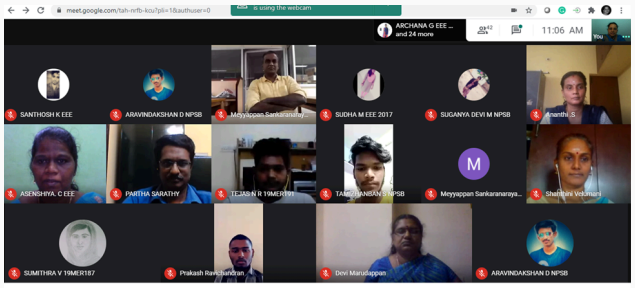
Ms.R.Revathi delivered the vote of Thanks at the valedictory function.Paticipants were encouraged towards developing their innovation ideas and to build start ups.

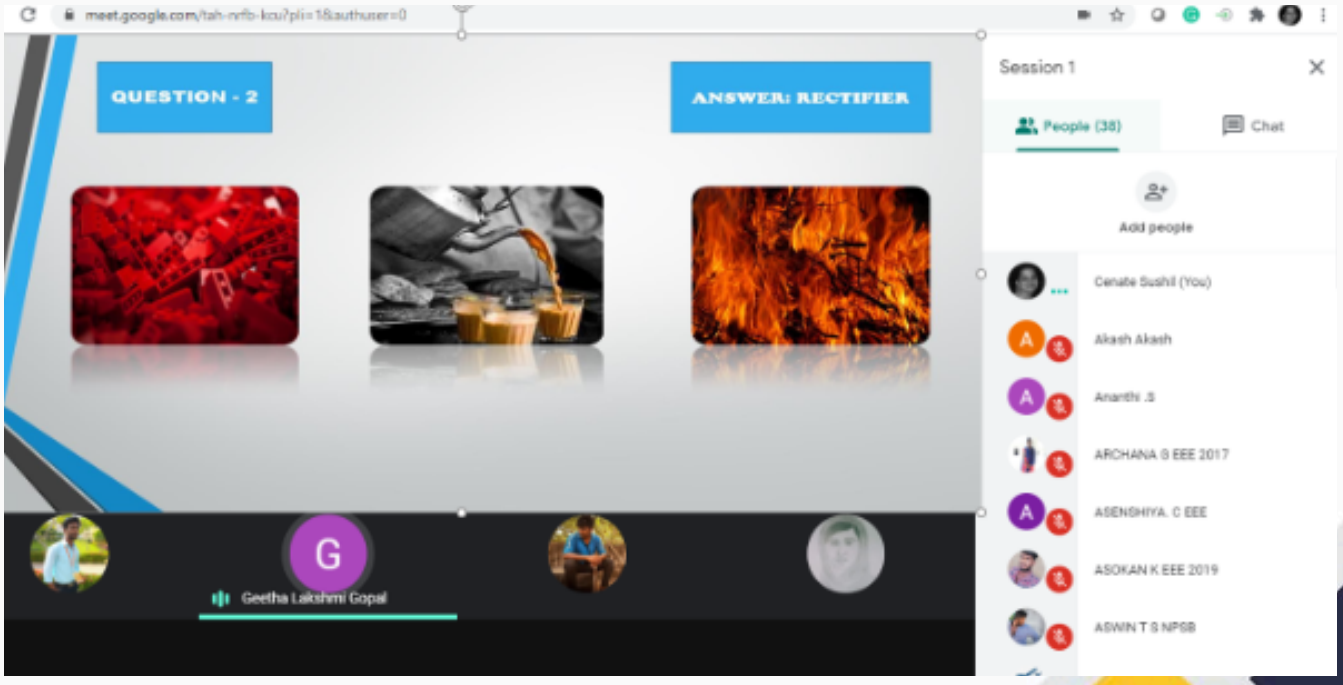
GLIMPSE OF FAISCA 21:

Paper Presentation event has been organized as a part of National level Technical Symposium conducted by FAISCA '21 through zoom link. Around 30 participants from different institutions actively participated in this event . Prize winners are appreciated through cash awards and E-certificate.



Technical Quiz conducted through zoom link as a part of National Level Technical Symposium Faisca 21 on 12.11.21. Around 50 participants actively participated. The participants enjoyed the technical connexions round and the participants were appreciated with e certificates and cash awards.





COMMUNITY SERVICE :

D.Aravindakshan , IV year EEE is the active Rotaract member.He actively involved in Health and wellness initiatives, Education and literacy programs & Environmental conservation activities which enhances his community service and Professional Development.

STUDENTS PARTICIPATION :


SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)

International Virtual Conference on Global Advanced Trends in Applied Mathematics, Physical Sciences and Humanities

ICGAMPH - 2021

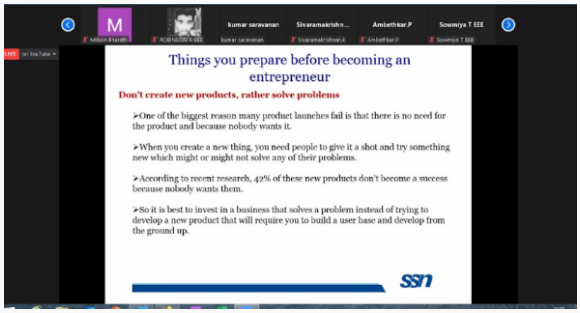
CERTIFICATE

This is to certify that Dr/Mr/Ms. N.Praveen UG student , Department of Electrical and Electronics Engineering, New Prince Shri Bhavani College of Engineering and Technology, Chennai, has presented a paper entitled Smart Covid – 19 Monitoring System using Image Processing in International Virtual Conference on Global Advanced Trends in Applied Mathematics, Physical Sciences and Humanities (ICGAMPH – 2021) organised by Department of Science and Humanities, Sri Ramakrishna Institute of Technology, Pachapalayam, Coimbatore held on 21st October, 2021.

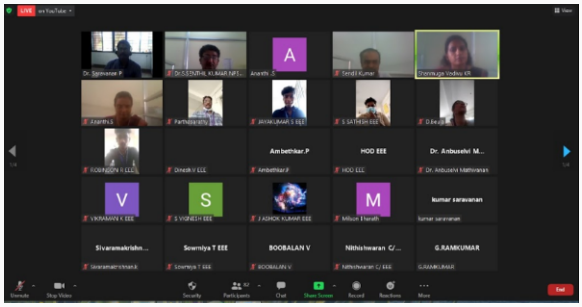
Co-ordinator Dr. S. Saravanakumar | Co-Convener Dr. V. Chitra | Convener Dr. S. Nagarani

Students are encouraged to participate in conferences and develop their exposure to research and industry needs.All the third year students have attended the International conference in virtual mode with their projects on 21.10.21. The conference was organized by Sri Ramakrishna Institute of Technology, Coimbatore.

Workshop :



Department of EEE organizes Workshop on My Entrepreneurial Preparation Story on 9th Dec,2021. Dr.P.Saravanan, Asso.Prof/EEE was the resource person. During the workshop the students gained knowledge about Business VS Entrepreneur and variants of Entrepreneur.



Workshop :

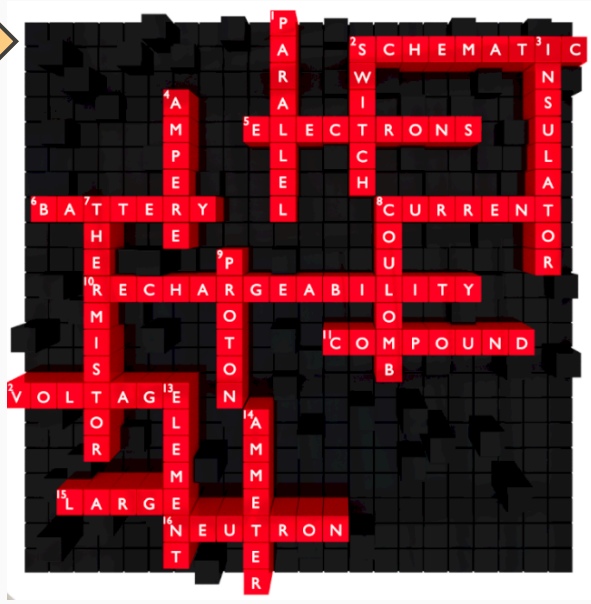
Workshop on Hybrid energy geneartion was conducted on 28.12.2021. Dr.Venkatramanan, Group Director, Indira Gandhi Center for Atomic Research, Kalpakkam was the resource person during the session. He discussed about the Design, development, and testing of nuclear reactors.

FDP ATTENDED :

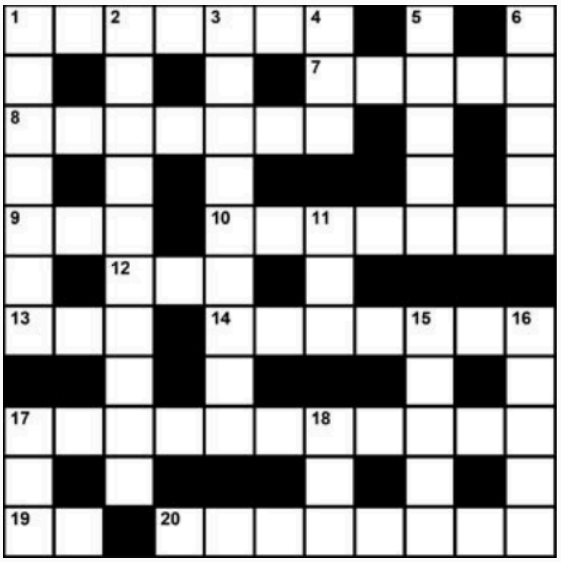
Dr.S.Senthil Kumar, Dr.C.F.Theresa Cenate,Dr.S.Senthil kumar,Dr.S.Parthasarathy , Mrs.M.Devi & Mr.K.Kumarasaravanan have attended the 5 days FDP on “Online FDP Bio- Inspiring Learning” organized by Sri Sairam Engineering College,Chennai.

Mrs.S.Ananthi attended the 5 days ATAL FDP on ATAL FDP, Machine Learning in Infotainment System from 13.12.2021- 17.12.2021 organized by BNM Institute of Technology,

ANSWERS FOR CROSSWORD PUBLISHED IN AUGUST 2K21



CROSSWORD



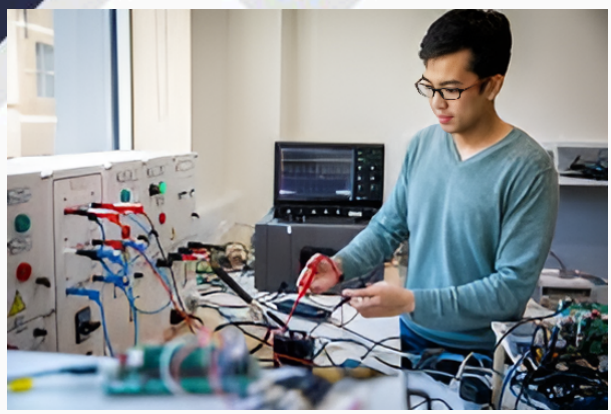
ACROSS

1. Smallest discrete quantity of some physical property that a system can possess
7. Negatively charged particle
8. Current calculator
9. Type of braking system
10. Increase the size of volume
12. Polyethylene terephthalate, for short (a plastic used in water bottles)
13. Quiet!
14. Consist of
17. Theory and practice of navigation through air and space
19. Weight measure, for short
20. Brings two separate things together

DOWN

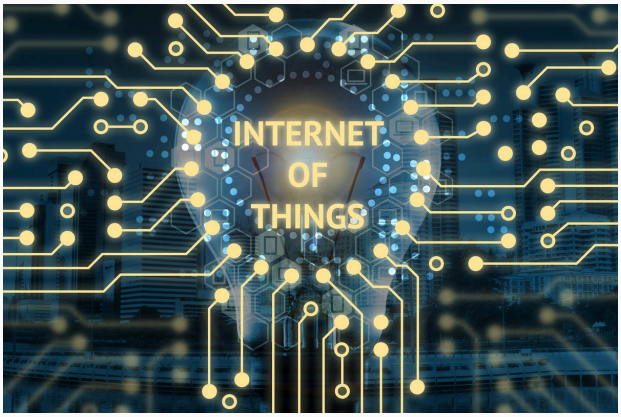
1. Highly luminous cosmic objects
2. Gaseous area surrounding Earth
3. Type of volumetric analysis
4. Scratch
5. Dense rain clouds
6. Like many mountain tops in winter
11. Pipe materials
15. Joining
16. Makes comfortable
17. Everyone
18. Port used by flash drives

Did You Know?



Electrical engineers design the most sophisticated systems ever built. From computers with billions of transistors to microgrids fed by renewable energy sources, from algorithms that predict disease to solar cells and electric vehicles, electrical engineering touches all parts of modern society. We leverage computational, theoretical, and experimental tools to develop groundbreaking sensors and energy transducers, new physical substrates for computation, and the systems that address the shared challenges facing humanity.

Any device that connects to the internet belongs to the internet of things a global network of connected devices and a sector of the technology industry that is rapidly expanding.Whilst smaller, 'smarter' sensors enhance the capabilities of IoT devices, and the development of 5G connectivity increases the speed at which they can process information, we are only beginning to scratch the surface of what this next-generation technology can achieve



Chief in Editor :

Ms.Ananthi S. AP, EEE

Editors :

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Mr.D.Milson Bharath