



Department of Electrical and Electronics Engineering

## E-SHOTS-19<sup>th</sup> EDITION

June 2020 to May 2021

### CONTENTS

- Vision & Mission
- Technical Articles
- Research Awards
- Events attended by faculty members
- Achievements by faculty & students
- Ethical Quotes
- Gate questions

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### **VISION OF THE DEPARTMENT:**

To make the Department of Electrical and Electronics Engineering of this Institution the unique of its kind in the field of Research and Development activities in this part of the world.

### **MISSION OF THE DEPARTMENT:**

Department of Electrical and Electronics Engineering is committed to impart highly innovative and technical knowledge in the field of Electrical and Electronics Engineering to the urban and unreachable rural student folks through Total Quality Education.

### **ISRO-NASA: DEVELOPS RADAR FOR JOINT EARTH OBSERVATION SATELLITE MISSION:**

The Indian space agency, Indian Space Research Organisation (ISRO) in collaboration with the US space agency, National Aeronautics and Space Administration (NASA) has completed the development of Synthetic Aperture Radar (SAR) which has the capability of producing extremely high-resolution images for joint earth observation satellite mission.

About NASA-ISRO SAR (NISAR):

It is a joint collaboration for the dual-frequency L-Band and S-Band SAR for earth observation. NISAR is the first

satellite mission which will use two different radar frequencies called L-band and S-band. These radar frequencies will be used to measure the changes in Earth's surface less than a centimetre across. This mission will be launched in the year 2022 from the Sriharikota spaceport of ISRO in Andhra Pradesh. The payload was shipped from the Ahmedabad-based Space Applications Centre (SAC) to the Jet Propulsion Laboratory (JPL) of NASA.

### **ISRO-NASA COLLABORATION:**

NASA is providing the L-band SAR for the mission. SAR is a sophisticated information-processing technique that is used to produce high-resolution images. It is a high-rate communication subsystem for the GPS receivers, science data, payload data subsystem and a solid-state recorder. On the other hand, ISRO is providing the S-band radar, spacecraft bus, launch vehicle and other launch services associated with the mission. ISRO is aimed at making global measurements of the causes & consequences of the land surface change with the help of radar imaging.

### **BACKGROUND:**

The space agencies, NASA and ISRO has inked a deal to develop and launch the NISAR satellite on September 30, 2014.

### **APPLICATION OF NISAR:**

NISAR mission will provide a means of highly spatial and temporally complex processes such as ecosystem disturbances, ice sheet collapses and natural hazards like volcanoes, landslides, earthquakes and tsunamis. It will also measure the changing ecosystems of Earth, dynamic surfaces & ice masses. The mission will also provide information regarding the biomass, natural hazards, groundwater and sea level rise.



### **ROBOT ORCHESTRA:**

Two musicians from Germany are using robotic equipment to add sounds to their performances. The two-man band performs with a robot that can play several musical instruments at the same time. The robot can sound like a guitar, keyboard, drum or other percussion instrument. When performing, members of the band provide many of the sounds, but others are controlled by a computer. Once connected to wires and set up, instruments such as a xylophone, drum or cymbal can play on their own. Another instrument was created from a long, self-turning wooden stick that sits on top of a microphone stand.

The stick contains long strings. They are tied on each end. The strings are connected to a small wooden ball. As the stick turns,

the ball hits a block on the floor, creating a sound. Actually, they call it as psychedelic robot orchestra told by one of the creators of the group. It's a combination of acoustic instruments, but also very trashy robot instruments.

The computer can react to changes to voltage signals, so the robots are controlled by an electrical current. The musicians says they can imagine similar technology having a greater influence on many different kinds of music in the future. "Technology is like a very important tool that even, very often, it's also a very important part of inspiration. But they also expressed hope that "real music won't die."



### **ENERGIZE YOUR LIFE :**

"Pain is temporarily, Pride is forever". These lines are always constant in our life. Yes, look at yourself, whatever we are practicing will surely reflects in the future. So, don't give up on yourself. Everyone should have different views about fitness and healthy diets. But what we actually follow is the same routine which is eating balanced diet, doing exercises and relaxation are the key to maintain good health. Do you all think that only doing exercises makes us fit? No, not all

whatever we are doing in our daily life actually makes us strong and fit.

Everyone may have different assumptions and ethics in their life. The truth is "Our strength does not come from physical capacity. It comes from our own undefeatable will". This thing can be realised only by the persons who are rejected on the society for their appearances. Stillnow, in India underestimation is happening everywhere. Prime Minister Narendra Modi has introduced "FIT INDIA" to encourage all the people to stay healthy and fit. His goal is to make healthy India by making people to show interest in physical activities and sports. Fit India mainly focus on maintaining good health. Success comes from more failures and hardwork. But the main thing is "Health is wealth", if you have proper health and fitness, it helps you to reach more heights and can achieve everything which you need in your life.



Our Earth is a planet where we are living. It has so many mysteries in it. It keeps revolving around the orbits. We don't know about it because it's a cycle and we just can't imagine if it's cyclic motion stops. Likewise, our life has so many phases. Nobody can judge what is going

happen in the future. It is also a cycle what we are facing. First step is, always think positive is the main thing to maintain proper health. Secondly, Eat better and do exercise. This means to avoid eating oily, fatty foods and not to do heavy exercises. Do simple workouts and make it worthy. Lastly, feel good about yourself and keep your surroundings happy. These are the steps which makes you fit and stronger enough. After starting a process, don't breakdown quickly. It makes you weak. Keep faith on yourself and try still you achieve your goals.

Push yourself always because no one else is going to do it for you. Everyone will appreciate your success not the failures. So follow everything; frame own rules for yourself and stay fit and healthy always. If you did it ,then at the end of the day, see the change in yourself where you have been and proud of who you are. Last but not the least, soon everything will be alright. Utilise the space to do something useful. Everyone is going to look back on this period of life and should be glad that no to give up anything for the sake of others. Be humble and take it simple.

- **K.Purushothaman-II EEE**



## **EVENTS ORGANIZED:**

- ❖ Online guest lecture on “**Industry 5.0**” was organized by **Dr.S.Rajeshbabu AP/EEE** and chief guest was **Mr.R.Anandhamurugan, M.E., Product Manager HRBluSky-28-11-2020.**
- ❖ One day seminar on “**Autonomous Vehicle**” organized by **Mr.K.Ganesan AP/EEE** and chief guest **Mr. N. G. Harish Kumar, M.Tech. Software Engineer HCL Technologies - 28-11-2020.**
- ❖ Department of EEE organized **AICTE SPONSORED SIX DAY ONLINE STTP ON, ELECTRIC CAR TECHNOLOGIES AND MODERN POWER SYSTEM** Series III Coordinates - **Dr.D.Prince Winston, Mr.D.Mariappan, Mr.R.Ganesan.**
- ❖ Online guest lecture on **Software Applications** organized by **Dr.S.Rajeshbabu AP/EEE** and chief guest was **Er.M.Gopalakarthiselvan** Application Development Lead/ Sales Force Developer – Accenture - 12.12.2020
- ❖ Guest lecture on Demo- SERB procured Equipment organized by **Dr.J.Jeslin Drusila Nesamalar, AP/EEE** and chief guest was the Company Representative on 04.01.2021.
- ❖ AICTE Sponsered Two Week Online FDP titled “**APPLICATIONS OF MACHINE LEARNING & DEEP LEARNING IN ELECTRICAL ENGINEERING**” - SERIES-I on 18.01.2021 to 30.01.2021.
- ❖ Special Lecture on “**Battery Technologies and 3D Printing**” organized by **Dr.B.GurukarthikBabu** and the resource person was **Dr.M. Parans Paranthaman, Ph.D.** Oak Ridge National Laboratory, The University of Tennessee, Knoxville on 12.02.2021.
- ❖ Special Lecture on Research Paper Selection & Application of ARDUINO organized by **Mr R. Ganesan, AP / EEE** and the resource person was **Mr S. Jegan, AP/EEE** and Project Team on 13.02.2021
- ❖ AICTE Sponsered Two Week Online FDP on “**APPLICATIONS OF MACHINE LEARNING & DEEP LEARNING IN ELECTRICAL ENGINEERING**” -

SERIES-I on 24.05.2021 to 05.06.2021.

### **RESOURCE PERSON / GUEST LECTURE**

#### **DELIVERED BY FACULTY:**

- ❖ **Dr.S.Kalyani** acted as a resource person for AICTE Sponsored Six Day Online STTP on “AI – Based Novel Power Distribution and Correction Technology” Slot I Sengunthar Engineering College(Autonomous), Tiruchengode held from 02.11.2020 to 07.11.2020.
- ❖ **Mr.D.Mariappan** has acted as a resource person for “**Introduction to modern power system**” at Sengunthar Engineering College(Autonomous) Tiruchengode held from 23.11.2020 to 28.11.2020.
- ❖ **Dr.S.Kalyani** acted as a resource person for ‘**Introduction to machine Learning**’ and ‘**Demo on Machine Learning Tools in MATLAB**’ K.L.N. College of Engineering, Madurai held from 02.11.2020 to 16.11.2020.
- ❖ **Dr.D.Prince Winston** acted as a resource person for “**Research Issues in Renewable Power Generation**” at Sengunthar

Engineering College, Erode held on 10.12.2020.

- ❖ **Mr.D.Mariappan** acted as a resource person for **Stress Management during the STTP on "Leveraging Artificial Intelligence and Data Analytics for Healthcare"** K.J.Somaiya Institute of Engineering and Information Technology, Mumbai held on 17.12.2020.
- ❖ **Dr.S.Kalyani** delivered guest lecture on the topic “Application of Machine learning and AI in Power Transmission” in the Six Days Faculty Development Program - New Trends and Challenges in Electric Power Transmission at Velammal College of Engineering and Technology, Madurai on 10-05-2021 to 15-05-2021.
- ❖ **Mr K.Ganesan** delivered guest lecture on the topic ‘**Transmission and Distribution**’ at Indra Ganesan College of Engineering, Chennai on 20.05.2021.

#### **ONLINE WEBINAR/ FDP / GUEST LECTURE ATTEND BY FACULTY:**

- ❖ **Dr.M.Sudalaimani** attended FDP on AICTE - Stress-management held from 02-11-2020 to 06.11.2020.

- ❖ **Dr.M.Sudalaimani** attended STTP on Control Systems and Sensor Technology Saveetha Engineering College held from 16.11.2020 to 21.11.2020.
- ❖ **Mr.D.Mariappan** attended FDP on Soft Computing Techniques Dr.S & SS Ghandhy Govt. Engg.College held from 02.11.2020 to 06.11.2020.
- ❖ **Dr.S. Rajesh Babu** attended Online Course on Statistics for Machine Learning Great Learning Academy on November 2020.
- ❖ **Dr.S.Rajesh babu** attended FDP on "Integration of Alternate Energy Resources in Smart Grid" National Institute of Delhi held from 25.12.2020 to 29.12.2020.
- ❖ **Mr.R.Ganesan** attended Microsoft AI Classroom Series Microsoft on 30.12.2020.
- ❖ **Mr.D.Mariappan** attended Advances in Power Electronics for Hybrid Electric vehicles - 2020 NIT, Andhra Pradesh held from 11.12.2020 To 15.12.2020.
- ❖ **K.Ganesan** attended Power Utilities and Artificial Intelligence - Leveraging the Data Department of Electrical & Electronics Engineering, CMR Institute of Technology, Bengaluru held from 07.12.2020 to 12.12.2020.
- ❖ **K.Ganesan** attended Microsoft AI Classroom Series Microsoft on 31.12.2020.
- ❖ **A.Karthikeyan** attended Electric Vehicle: Evolution, integration and Challenges-Series 03 Department of Electrical & Electronics Engineering, Sri Krishna College of Technology, Coimbatore held from 14.12.2020 to 19.12.2020.
- ❖ **Mr.D.Mariappan** attended AICTE Training and Learning (ATAL) Academy FDP on "Stress Management" at Government College of Engineering, Srirangam on 01-02-2021 to 05-02-2021.
- ❖ **Mr.K.Ganesan** attended Webinar on IPR and Patent Filing Strategies at Department of EEE, Sethu Institute of Technology, Virudhunagar on 10.02.2021.
- ❖ **Mr.Ganesan R** attended a Webinar on DC Micro Grid: History, Study and What to carry - A Research Orientation" at SJB INSTITUTE OF TECHNOLOGY Kengeri, Bengaluru on 06.03.2021.

## **STUDENTS PARTICIPATED ONLINE TRAINING / COMPETITION:**

### **Journal Publications:**

- ❖ **M.Pravin & Dr.D.Prince Winston** published a paper entitled “A fixed interconnection technique of photo voltaic modules using a sensorless approach for maximum power enhancement” in **Solar plants Taylor and Francis** September 2020.
- ❖ **M.Pravin, A.G.Akash, S.Nithish, S.Kabilan, Dr.D.Prince Winston** published a paper entitled “Parallel power Extraction technique for maximizing the output of solar PV array Solar Energy”, **Elsevier.(SCI Journal)** I.F = 4.6 November 2020.
- ❖ **Mr.A.Anandhabalaji, Mr.L.Maria Antony Xavier, Mr.J.Gokulanarayanan, Dr.S.Kalyani** published a paper entitled “An IOT based vehicle hailing for the enhancement of livelihood in rural areas through web application” **Analog and Digital Communications** November 2020.
- ❖ **M.Abdul Raheem, S.Shankar Ghanesh, N.Surya, Mrs.B.Noorul Hamitha & Ms.P.M.Devie** has

published a paper entitled “Smart Power management and control of domestic appliances”

**International journal of Multidisciplinary Educational Research** September 2020.

- ❖ **R.Vignesh. B.Ramkumar, R.Arun Kumar, Dr.B.Gurukarthick Babu, Dr.S.Kalyani** published a paper entitled “Renewable Energy Based Water Harvestors for the production of Potable water” in **Department of Industrial and Scientific Research-IE India** 2020.

## **INTERNATIONAL / NATIONAL CONFERENCE:**

- ❖ **A.Anandha Balaji, J.Gokula Narayanan, Maria Antony Xavier, Dr.S.Kalyan** published a paper entitled An IoT based vehicle hailing for the enhancement of livelihood in rural areas through web in **A virtual national conference on Signal processing and communication technologies 2020 (CSPCT2020)** held on 28.10.2020.
- ❖ **Mr.A.Anandhabalaji, Mr.L.Maria Antony Xavier, Mr.J.Gokulanarayanan,**



**Dr.S.Kalyani** published a paper entitled An IoT based vehicle hailing for the enhancement of livelihood in rural areas through web application in the International Conference on AI, **Robotics and Automation Paper selected and reviewed for ICT conference.**

- ❖ **R.VigneshA. MohamedNasrulla, B.Vishnu Karan, & and V.Dhanasekaran** published journal in Environmental Science and Pollution Research titled “Investigation on the performance enhancement of single-slope solar still using green fibre insulation derived from Artocarpusheterophyllus rags reinforced with Azadirachtaindica gum” under the guidance of **Dr.B.Gurukarthik Babu, & Dr.D. Prince Winston** on 16.02.2021.
- ❖ **Gaaviyan.D, Deepak.K** presented a paper titled AUTOMATIC CONTROL OF WATER PUMPING SYSTEM in 3rd International Conference on NEW SCIENTIFIC CREATIONS IN ENGINEERING AND TECHNOLOGY “ICNSCET – 2K21” under the guidance of **Mr.A.Karthikeyan** on 19.03.2021.

- ❖ **Venkatesh.B.K** presented a paper titled MACHINE LEARNING BASED CONDITION MONITORING OF TRANSMISSION LINE USING IOT in 3rd International Conference on NEW SCIENTIFIC CREATIONS IN ENGINEERING AND TECHNOLOGY “ICNSCET – 2K21” under the guidance of **Dr.M.Sudalaimani** on 19.03.2021.
- ❖ **Lingesh Dhanaraj.P, Hariharan.S,** presented a paper titled RF based secure door lock system for aged and physically challenged persons in 3rd International Conference on NEW SCIENTIFIC CREATIONS IN ENGINEERING AND TECHNOLOGY “ICNSCET – 2K21” under the guidance of **Mr.R.Ganesan** on 19.03.2021.
- ❖ **J Gokula Narayanan** presented a paper titled An IoT based vehicle hailing for the Enhancement of Livehood in rural area through web application in Amalthea '20, IIT Gandhinagar under the guidance of **Dr.S.Kalyani** on 01.03.2021.
- ❖ **S.Benet Asir, B.Petchi Raja, S.Abdul Fahad** presented a paper titled “Secured IoT based monitoring and controlling of microgrid” under the guidance of

**Mr.K.Ganesan,** in First International e-conference on Management , Science and Technology, RBVRR Women's College, Coimbatore on 29th and 30<sup>th</sup> May, 2021

- ❖ **M.Muthunayagam, M.Mohamed Kaseem, P.sudharsun** presented a paper titled Development of pumping motor protection system under the guidance of **Dr.D.Prince Winston,** in First International e-conference on Management , Science and Technology, RBVRR Women's College, Coimbatore on 29th and 30<sup>th</sup> May, 2021

### **CO-CURRICULAR ACTIVITIES**

- ❖ **A.Anandha Balaji** successfully completed **CSIR summer research training program 2020,** CSIR NEIST, Jorhat India held from June 2020 to August 2020.
- ❖ **A.Anandha Balaji** participated IEP- FPGA based Embedded system at NIELIT CALICUT on 05.10.2020 to 16.10.2020.
- ❖ **Mr.S.Nithish** from attended a thirty day webinar series on **AI master class Andra Pradesh State Skill Development Corporation (APSSDC)** conducted by Pantechprolabs India

Pvt., Ltd held from 05.10.2020 to 03.11.2020.

- ❖ **Ms.A.Lakshmipriya** attended a ten day webinar series on **AI master class Andra Pradesh State Skill Development Corporation (APSSDC)** conducted byPantechprolabs India Pvt., Ltd held from 05.10.2020 to 14.11.2020.
- ❖ **Ms.S.Sulbika Shakin** attended a five day webinar series on **AI master class Andra Pradesh State Skill Development Corporation (APSSDC)** conducted byPantech prolabs India Pvt., Ltd held from 02.10.2020 to 06.11.2020.
- ❖ **Mr.A.Anandha Balaji** has successfully completed **Les Quizerablesreminiscene- The metallurgical journey of 80 years** conducted by the Department of Metallurgy and materials engineering, IEST, Shibpur in association with IIM Nov 2020.
- ❖ **Mr.A.Anandha Balaji** successfully completed **Mobile App development** at Sri Eshwar Innovation Challenge- 2020 – held on 6.11.2020.
- ❖ **Mr.A.Anandha Balaji** participated in **Indo European Hackathon** Indian Institute of

Information Technology, Kottayam and daretostart.org held from 27.11.2020 to 29.11.2020.

- ❖ **L. Suriyaprasath** won runner in Cricket organized by PSNA college engineering and technology, Dindugal on 23.03.2021.
- ❖ **Anandha Balaji A, J Gokula Narayanan, L Maria Antony Xavier** won Rs.7500/- for paper presentation contest in University of Petroleum & Energy Studies on 27.03.2021 & 28.03.2021
- ❖ **Anandha Balaji A, S Karthi Keyan, R Thirupathy, S Karthikeyan (IV A), K. Harish Kumar (III)** entered Grand finale round in project contest held at IIPT YZVEPC 2021 Contest in March 2021.

#### **ACHIEVEMENTS BY STAFF:**

- ❖ **D.Mariappan, S.Kalyani, D.Prince Winston, P.M.Devie** published a paper entitled 'Quantum Angle Variant Optimization (QAVO) Controller based Grid Connected Converter in Micro grid System' in **Solid State Technology, Volume: 63 Issue: 2s, 2020.**
- ❖ **Dr.RajeshBabu S, Manikandan B.V,** published a paper entitled 'Power Quality Events Classification Using Walsh Transform and Enactment of Various Classifiers' in **Solid State Technology, Volume: 63 Issue: 2.**
- ❖ **NoorulHamitha B , Devie P M , Abdul Raheem M, Shankar Ghanesh S, Surya N ,**published a paper entitled 'SmartPower Management And Control Of Domestic Appliances' in **International Journal Of Multi Disciplinary Educational Research, Volume:9 ( September 2020 , ISSN:2277-7881).**
- ❖ **D.Prince Winston, G.Karthikeyan, M.Pravin, O.JebaSingh, A.G.Akash, S. Nithish, S.Kabilan** published a paper entitled "Parallel power extraction technique for maximizing the output of solar PV array" in Solar Energy, October 2020.Elsevier Publisher. (SCI Journal - I.F = 4.6).
- ❖ **Mr.R.GANESAN,** published a paper entitled "A Robust Method For Data Privacy Through The Revamp Room And Overturn Against Brute Force Attack" in **International Research Journal Of Modernization In**

**Engineering Technology And Science (IRJMETS) (e-ISSN: 2582-5208), Volume 2, Issue 12, December 2020.**

- ❖ **Mrs. Shanthi** (Part Time – External Scholar) of **Dr. S. Kalyani** has submitted her Ph.D. Thesis ‘Sensorless Speed Control of Permanent Magnet Synchronous Motor using Intelligent Controller’ on 25-01-2021.
- ❖ **Sakthivel.G, Prince Winston.D** “Intelligent Starting Current-Based Fault Identification of an Induction Motor Operating under Various Power Quality Issues” *Energies*-1010222 Volume 14 Issue 2; doi: 10.3390/en14020304.
- ❖ **Gurukarthik Babu, Balachandran & Prince Winston David & Vignesh Radha Krishnan & Mohamed Nasrulla Akbar Ali & Vishnu Karan Baskaran & Dhanasekaran Virumandi & Muthu Manokar Athikesavan & Ravishankar Sathyamurthy**, ‘Investigation on the performance enhancement of single-slope solar still using green fibre insulation derived from *Artocarpus heterophyllus* rags reinforced with *Azadirachta indica* gum’,

Environmental Science and Pollution Research, February 2021.

- ❖ Reviewer certificate was awarded to **Dr. S. KALYANI** For serving as a reviewer for *International Transactions on Electrical Energy Systems*, for reviewing 4 Manuscripts in 2020 on 18 February 2021
- ❖ **Dr. D. Prince Winston** delivered a lecture on Synchronous Machines for the Jammu Kashmir Polytechnic Students on 26-02-2021.
- ❖ The project idea entitled "AI supervised Palatable Water Production using 1.5 kW PV/T System through Electroplating Sludge" of following students of our department under the guidance of **Dr. B. Gurukarthik Babu, AP/EEE** has been shortlisted for the Round 2: Regional Convention in Southern Zone representing our college.  
**Mr. S. Karthikeyan (17ueee073), Mr. R. Thirupathy (17ueee030), Mr. S. Karthikeyan (17ueee029), Mr. J. Anto Vimal (18ueee019).**
- ❖ **Dr. S. Chellam, Dr. S. Kalyani**, ‘Congestion Cost Estimation in Deregulated Transmission Network Using Optimal Power Flow Tracing’, *Tierärztliche Praxis*

Volume 41, 2021 , March 2021 ,  
ISSN: 0303-6286.

- ❖ **Karthick T., Charles Raja S., Jeslin DrusilaNesamalar J., Chandrasekaran** , ‘Design of IoT based smart compact energy meter for monitoring and controlling the usage of energy and power quality issues with demand side management for a commercial building’ , Sustainable Energy, Grids and Networks 26 (2021) 100454 2352-4677 , March 2021 .
- ❖ **R. Ganesan, M.Subashpandian, A.Vijay, G.Dhakshin Surya, P.Harish Kumar,** ‘COMMERCIAL SECURITY SYSTEM BASED ON ARDUINO USING GSM’, International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 05 Issue: 04 , April 2021 , ISSN: 2582-3930.
- ❖ **Mrs,B.Noorul Hamitha, Mr.A.Azhar, Mr.G.Jeeva, Mr.N.R.Mano Raj, Mr.G.Arockia Dennis,** Arduino based helmet for coal mine worker’, International Journal Of Scientific Research In Engineering And Management (IJSREM), VOLUME:05 ISSUE:04, April 2021, ISSN: 2582-3930.
- ❖ **V.Saranya, S.Kalyani & V.Ramachandran** , ‘Fuzzy decision analysis for regional contextualization of global educational frameworks ‘, Sādhanā , 46, Article number: 92 , April 2021.
- ❖ **Karthick Tamilarasu, Charles Raja, Sathiasamuel, Jeslin Drusila Nesamalar Joseph, Rajvikram Madurai Elavarasan, Lucian Mihet-Popa** , ‘ Reinforced Demand Side Management for Educational Institution with Incorporation of User’s Comfort’, Energies,Volume 14 Issue 10 Pages 2855 , May 2021
- ❖ **J Jeslin Drusila Nesamalar, S Suruthi, S Charles Raja, Karthick Tamilarasu,** ‘Techno-economic analysis of both on-grid and off-grid hybrid energy system with sensitivity analysis for an educational institution’, Energy Conversion and Management, Volume 239, Pages 114188 , July 2021
- ❖ **Charles Raja S, Vijaya Kumar N, M Senthil kumar , J Jeslin Drusila Nesamalar** , ‘ Enhancing system reliability by optimally integrating PHEV charging station and renewable distributed generators: A Bi-Level

programming approach', Energy ,  
Volume 229, 120746 , August  
2021

- ❖ **B.Noorul Hamitha, .Abdul Raheem, S.Shangar Ghanesh, N.Surya,** 'Automatic Parking System in E-Vehicle', International Journal Of Scientific Research In Engineering And Management (IJSREM), ISSN: 2582-3930 VOLUME:05 ISSUE:04 , April 2021 .

#### **AWARD AND RECOGNITION:**

- ❖ **Dr.S.Kalyani** was awarded **Engineering Excellence Award for Women Society for Engineering Education Enrichment SEE Awards 2020** held on 10-12-2020.
- ❖ **Dr.S.Kalyani** achieved a **World Record Achievement - Asian Records Academy**, Elite world records, India Records Academy and Tamilan Book of Records Longest Webinar Marathon in Life Skills held on 18-12-2020.
- ❖ **Dr.D.Prince Winston** has recognized **Certificate of Recognition IEEE Madras Section Paper Published in IEEE Transactions** held on 19-12-2020.
- ❖ **Ms.R.Reenu** secured **Elite + Silver NPTEL Certificate for**

**Automatic Control** – 8 Week course held on 30-12-2020.

- ❖ **Mr.R.Ganesan**, 'RF based secure door lock system for aged and physically challenged persons', International Conference on "New Scientific Creations In Engineering and Technology", Nadar Saraswathi College of Engineering and Technology, 19<sup>th</sup> March 2021
- ❖ **Mr.A.Karthikeyan**, 'AUTOMATIC CONTROL OF WATER PUMPING SYSTEM', International Conference on "New Scientific Creations In Engineering and Technology", Nadar Saraswathi College of Engineering and Technology, 19<sup>th</sup> March 2021
- ❖ **Dr.M.Sudalaimani** , 'MACHINE LEARNING BASED CONDITION MONITORING OF THREE PHASE INDUCTION MOTOR USING IOT', International Conference on "New Scientific Creations In Engineering and Technology", Nadar Saraswathi College of Engineering and Technology, 19<sup>th</sup> March 2021.

#### **ETHICAL QUOTES :**

- ❖ "Sound mind in a sound body"

**GATE QUESTION:**

❖ Select the word that fits  
analogy: Do: Undo: Trust:

- (A) Distrust (B) Untrust (C) Entrust  
(D) Intrust

Key: (A)

❖ Stock markets \_\_\_ at the news of  
the coup.

- (A) probed (B) poised (C) plunged  
(D) plugged

Key: (C)

**CHIEF EDITOR:**

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