



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Affiliated to JNTUH, Approved by AICTE, Accredited by NAAC with A++ Grade, ISO 9001:2015 Certified
Kacharam, Shamshabad, Hyderabad – 501218, Telangana, India

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Papers Published in Journals/Conferences for the Academic Year 2021-22

| S. No. | Faculty Name(s) | Title of the Paper | Name of the Journal/Conference | Area of Publication |
|--------|--------------------------|---|--|-----------------------|
| 1. | Dr.B Harish | Stabilization of cart inverted pendulum system using LQR, two loop PID and regional pole placement technique | IEEE Explore | Control systems |
| 2. | Dr.S Ravivarman | Automatic control system experimentation with LABVIEW using local and remote approaches | 4 th International Conference on Advancements in Aero Mechanical material for manufacturing | Control systems |
| 3. | Dr Md Asif | Building Engineers With Social Responsibility To Meet Quality University & Colleges And Quality Academic Research Of Nep 2020 | International Conference on Transformations in Engineering Education -2022 | Engineering Education |
| 4. | Dr.Anusuya Bhattacharyya | Multi Objective optimization of economic environmental dispatch problems including CO2 emission | IEEE Explore | Power System |
| 5. | Dr.N Karuppiah | Performance Enhancement of partial shaded photo Voltaic system with novel screw pattern array configuration scheme | IEEE Access | Power System |
| 6. | Dr.Praveen Kumar | Design, Development and performance testing of thermal energy storage based solar drier system for seeded grapes | Sustainable energy technologies | Power System |
| 7. | Dr.H S Jain | AutoCAD to G-Code Converter | 4 th IEEE International Conference on Innovation in Engineering, design and Holistic | Control systems |

| | | | Education | |
|-----|-------------------|--|--|-------------------|
| 8. | Dr N Kiran Kumar | Avr System Analysis And Simulation By Using Fopid And Parameters Variation Effects | ICMED 2021 | Power System |
| 9. | Dr.Praveen Kumar | An accurate analytical modeling of solar photovoltaic system considering Rs and Rsh under partial shaded condition | Int J Syst Assur Eng Manag | Power System |
| 10. | Dr. N KARUPPIAH | A Review on Battery Modeling Techniques | Sustainability,MDPI | Power System |
| 11. | Dr Md Asif | Design and Analysis of Treadmill Bicycle | 2nd International Conference on Emerging Trends in Science, Engineering and Management | Power System |
| 12. | Dr Md Asif | Adaptive Controllers for Voltage Sensitive Loads in a UPQC Configuration | International Journal of Advances in Engineering and Management | Power Electronics |
| 13. | Dr Md Asif | Power quality improvement in a grid connected wind turbine system using a PID controller and multi-level inverter | International Journal of Advances in Engineering and Management | Power System |
| 14. | Dr.Praveen Kumar | A Novel Array Configuration Technique for Improving the Power output of the Partial Shaded | IEEE Explore | Power System |
| 15. | Dr.Praveen Kumar | Deep Learning Approaches for Prognosis of Automated Skin Disease | SCIE Journal | Control systems |
| 16. | Dr.Muruga Perumal | Designing of Solar PV Plant for EV Charging Application in Residential Apartment using Solar Pro Software | The Institution of Engineers | Power System |
| 17. | Dr.Muruga Perumal | Feasibility Analysis of PV/Wind/DG Based Hybrid Energy System Design for Indian Educational Institute | Innovations in Power and Advanced Computing Technologies | Power System |
| 18. | Dr.S Ravivarman | Analysis of the Impact of Magnetic Materials on Cogging Torque in Brushless DC Motor. | Advances in Materials Science and Engineering | Power System |
| 19. | Dr.B Harish | Protection of Transformer using Accelerated Convolution Neural Network | IEEE Explore | Power System |
| 20. | Dr.B Harish | Smart Transformer for Low Voltage | International Journal of | Power System |

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|-----|---|--|--|-------------------|
| | | Distribution System | Advances in Engineering and Management | |
| 21. | Dr Rajat Kumar | Wireless Power Transmission: A Review | IEEE | Power System |
| 22. | Dr.T C Srinivasa Rao | A Novel Transformer less dynamic Voltage Restorer with Improved Power Quality Features | International Journal of Advances in Engineering and Management | Power Electronics |
| 23. | Mr. N. Srinivas | Design of Solar Power Inverter | Accepted | Power Electronics |
| 24. | Dr. B.Praveen Kumar | Deep learning approaches for prognosis of automated skin diseases (5th Author) | National Linbrary of Medicine | Control systems |
| 25. | Dr.N Karuppiyah | Design of a High Frequency Transformer using Genetic Algorithm | Computational Intelligence in Machine Learning, Springer | Power System |
| 26. | Dr.N Karuppiyah | Power Quality Improvement in the Distribution system by interconnecting PV using hybrid DSTATCOM | International Journal of Advanced Technology and Engineering Exploration | Power Electronics |
| 27. | Dr.Muruga Perumal Dr.B.Praveen Kumar | Cost Effective Energy Conservation techniques for Textile Spinning Mills | IEEE Explore | Power System |
| 28. | Dr Rajat Kumar Dr Md Asif | DTCWT-SVM Based Identification of Single and Multiple Power Quality Disturbances | IEEE EXplore , International Conference on Intelligent Controller and Computing for Smart Power,2022 | Power Electronics |
| 29. | Dr.N Karuppiyah | Modeling and Simulation of On-Board Charger for Electric Vehicles | International Conference on Intelligent Controller and Computing for Smart Power,2022 | Power System |
| 30. | N.Srinivas | Design Of Smart Building System And Monitoring Using Iot | International Conference on Intelligent Controller and Computing for Smart Power,2022 | Power System |
| 31. | Dr.N Karuppiyah | Adaptive DC-Link voltage-controlled split-capacitor DSTATCOM for power quality improvement | International Conference on Intelligent Controller and Computing for Smart Power,2022 | Power Electronics |

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|-----|----------------|--|---|--------------|
| 32. | Dr.N Karuppiah | IoT based Smart grid communication with transmission line fault identification | International Conference on Intelligent Controller and Computing for Smart Power,2022 | Power System |
| 33. | Md Asif | Design & analysis of Treadmill Bicycle | Conference on Emerging Trends in Science, Engineering and Management,ICETSEM-2021 | Power System |
| 34. | Dr N Karuppiah | An Innovative mutated ant province optimization based controlling and modified SEPIC DC-DC converter for Grid-PV systems | The International Conference on Physical Science and Technology (ICPST-2022) | Power System |