

SSN COLLEGE OF ENGINEERING

DEPARTMENT OF EEE

LIST OF INTERNATIONAL CONFERENCE PUBLICATIONS

2024

1. R. Ramaprabha and K. S. Harshavardan presented a paper titled Design and Simulation of Bidirectional Converter Suitable for EV Applications in 5th International Conference on Power and Embedded Drive Control (ICPEDC 2024) held during 17 -18, Jan 2024 conducted by Department of EEE, Sri Sivasubramaniya Nadar (SSN) College of Engineering, Kalavakkam in Department of EEE, Sri Sivasubramaniya Nadar (SSN) College of Engineering, Kalavakkam on 18/01/2024
2. Vidhya S, Balaji M, Kamaraj V presented a paper titled Satellite Image Classification using CNN with Particle Swarm Optimization Classifier in International Conference on Innovative Data Communication Technologies and Applications (ICIDCA 2024) conducted by RVS College of Engineering and Technology, Coimbatore in India on 10/01/2024
3. P C Sivan Sriman, K. Murugesan, M. Senthil Kumaran, K. Usha presented a paper titled Feature Extraction and tracking using Neuromorphic Cameras for V-SLAM in autonomous vehicles in 7th International Conference on Recent Innovations in Modern Science and Technology conducted by KPR Institute of Engineering and Technology, Coimbatore and Elavenil Foundations, Chennai in KPR Institute of Engineering and Technology, Coimbatore on 09/01/2024
4. R. Ramaprabha and Gokularaman S R presented a paper titled Analysis and Modification of Fault Detection Methods in Photovoltaic Array in IEEE - Second International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE 24) held during 22 – 23, Feb, 2024 conducted by Vellore Institute of Technology (VIT), Vellore in Vellore Institute of Technology (VIT), Vellore Vellore Institute of Technology (VIT), Vellore on 23/02/2024
5. Karthika M, Balaji M, Kamaraj V presented a paper titled Design and Performance Evaluation of an Interior Permanent Magnet Synchronous Motor for an Electric Three-Wheeler in Second International Conference on Emerging trends in Information Technology and Engineering conducted by VIT Vellore in India on 23/02/2024M. Elenchezhiyan, R. Arun, M. Kaliyamoorthy presented a paper titled A comparative study of joint and dual estimation scheme for switched Non-linear system in ICPEDC 2024 conducted by SSN College of Engineering in Dept. of EEE, SSN on 18/01/2024
6. R. Abhinaya, Lakshmi Prabha B, R. Seyezhai, Deeikshanya. S and Harini.V.B presented a paper titled "Design and Simulation of Ripple Free NonInverting DC/DC CUK Converter with Valley-Fill Circuit for LED Applications in International Conference on Mechanical Engineering Design , ICMech D 2024, March 21-22, 2024 conducted by SSN College of Engineering in Physical Mode on 22/03/2024
7. R.Monika and Dr.R.Seyezhai presented a paper titled A Comparatitive Study of Voltage Source Inverter Topologies in Electric Vehicle Applications in 5th National Conference on Recent

Trends in Power & Energy Engineering, RTPEE2024, organized by EEE Dept during March 21-22, 2024 conducted by SSN College of Engineering in Physical Mode on 22/03/2024

8. M Karthikeyan, R Rengaraj, R Harini presented a paper titled Dry Bean Classification using Deep Learning in 2023 International Conference on Data Science, Agents & Artificial Intelligence (ICDSAAI) conducted by Chennai Institute of Technology in Chennai on 18/03/2024
9. Akash Raj, F. Agilbert Sesu Felick, S. Aravind and R. Ramaprabha presented a paper titled Simulation Of Five Level Inverter For Low Power Applications with PV Source in 5th National Conference on Recent Trends in Power and Energy Engineering (RTPEE-2024) held during Mar 21-22, 2024 conducted by Department of EEE, Sri Sivasubramaniya Nadar (SSN) College of Engineering in Department of EEE, Sri Sivasubramaniya Nadar (SSN) College of Engineering on 21/03/2024
10. Harish, M. Karthichangam , A. Muthukumar and R. Ramaprabha presented a paper titled Simulation Of High Gain Bidirectional Converter for Microgrid Applications in 5th National Conference on Recent Trends in Power and Energy Engineering (RTPEE-2024) held during Mar 21-22, 2024 conducted by Department of EEE, Sri Sivasubramaniya Nadar (SSN) College of Engineering in Department of EEE, Sri Sivasubramaniya Nadar (SSN) College of Engineering on 21/03/2024
11. R. Ramaprabha, S. Sangeetha, R. Akshitha Blessy, R. Lekhashree and P. Meenakshi presented a paper titled Development of AC-DC Converter for Hybrid PV Integrated Microgrid System in International Conference on Mechanical Engineering Design 2024 (ICMechD2024) held during Mar 21-22, 2024 conducted by Department of Mechanical Engineering, Sri Sivasubramaniya Nadar (SSN) College of Engineering in Department of Mechanical Engineering, Sri Sivasubramaniya Nadar (SSN) College of Engineering on 22/03/2024
12. R. Ramaprabha, Anjana Ethirajan, S. Hariprasath, S. Mohammed Ashik, Medarametala Venkata Sai Kiran and T. Y. Navinsai Kaarthik presented a paper titled Implementation of Bidirectional Converter with Asymmetric Half Bridge Converter based SRM Drive using PV for Electric Vehicle in International Conference on Mechanical Engineering Design 2024 (ICMechD2024) held during Mar 21-22, 2024 conducted by Department of Mechanical Engineering, Sri Sivasubramaniya Nadar (SSN) College of Engineering in Department of Mechanical Engineering, Sri Sivasubramaniya Nadar (SSN) College of Engineering on 22/03/2024
13. Thaga Sheriff M , Vishwajith N , Rahul S J, Balaji M ,Ramaprabha R presented a paper titled Design and implementation of solar tracking system for smart charging in 4th International Conference On Artificial Intelligence, 5G Communications and Network Technologies conducted by Velammal Institute of Technology, Chennai in Velammal Institute of Technology, Chennai on 22/03/2024
14. Thaga Sheriff M , Vishwajith N , Rahul S J, Balaji M ,Ramaprabha R presented a paper titled Design and implementation of solar tracking system for smart charging in 4th International Conference On Artificial Intelligence, 5G Communications and Network Technologies conducted by Velammal Institute of Technology, Chennai, India in India on 22/03/2024
15. Paari A, Nikesh D , Sai Krishna Karthik P , Balaji M presented a paper titled Advanced precision agriculture: IOT integration for optimal smart farming in 4th International Conference On Artificial Intelligence, 5G Communications and Network Technologies conducted by Velammal Institute of Technology, Chennai, India in India on 22/03/2024

16. Sneha S , Sriranjini S , Himasai T , Balaji M presented a paper titled IOT based traffic congestion management and accident detection system in 4th International Conference On Artificial Intelligence, 5G Communications and Network Technologies conducted by Velammal Institute of Technology, Chennai, India in India on 22/03/2024
17. Vignesh J, M Balaji presented a paper titled Design and implementation of battery management system for EV in Fifth National Conference on "Recent Trends in Power and Energy Engineering", RTPEE 2024 conducted by Sri Sivasubramaniya Nadar College of Engineering, Chennai in India on 22/03/2024
18. S. T. Vigneshwar , M. Balaji , S. Prabhu presented a paper titled Comparative Analysis of Permanent Magnet Synchronous Motor and Switched Reluctance Motor for Drone Application in International Conference on Mechanical Engineering Design 2024 (ICMechD 2024) conducted by Sri Sivasubramaniya Nadar College of Engineering, Chennai in India on 22/03/2024
19. Gowtham M R , HemaNandini R ,ManirajaR , Balaji M ,Prem Karthik M presented a paper titled Development of state of charge algorithm for Lithium-ion battery in International Conference on Intelligent Computing Techniques in Electrical Energy System conducted by Francis Xavier Engineering College, Tirunelveli, Tamil Nadu, India. in India on 13/03/2024
20. R. Panda and P. K. Tiwari, "A Hybrid Wind-Thermal Bidding Model in a Day-ahead and Real-time market considering regulating cost in a competitive power market," 2023 IEEE 3rd International Conference on Smart Technologies for Power, Energy and Control (STPEC), Bhubaneswar, India, 2023, pp. 1-5, doi: 10.1109/STPEC59253.2023.10431367.
21. R. Panda, S. S. Pattanaik, P. K. Tiwari and A. K. Goswami, "Forecasting of Market Power using LSTM in day ahead market," 2023 IEEE International Conference on Power Electronics, Smart Grid, and Renewable Energy (PESGRE), Trivandrum, India, 2023, pp. 1-5, doi: 10.1109/PESGRE58662.2023.10405194
22. B. K. Das, R. Panda, S. Deb, A. K. Goswami and P. K. Tiwari, "Probabilistic Modeling of Plug-in Electric Vehicles Charging Demand and Charging Cost Minimization," 2023 IEEE International Conference on Power Electronics, Smart Grid, and Renewable Energy (PESGRE), Trivandrum, India, 2023, pp. 1-6, doi: 10.1109/PESGRE58662.2023.10404532.
23. Tarun J , P.Pradeep,R.Rohin, Dr.R.Seyezhai & Sabarish L presented a paper titled Comparative Evaluation of DC-DC Converter Configurations for Solar-Assisted E-Bikes in First National Conference on Multi disciplinary Research & Innovations in Engineering and Technology conducted by Knowledge Institute of Technology, Salem in Online/India on 06/04/2024
24. Uppili Narasimhan G, R.Seyezhai, GSasikaran KS & M.Prathyuman presented a paper titled Analyzing Different DC-DC Converters for Efficient Power Transfer in Electric Vehicles in Second International Conference on Recent Trends in Science Technology,Engineering & Mathematics conducted by RRASE College of Engineering,Chennai in Physical Mode on 06/04/2024
25. A. Akash Raj, F. Agilbert Sesu Felick, S. Aravind and R. Ramaprabha presented a paper titled Implementation of PV fed five level inverter for low power applications in 5th International Conference on Computational Intelligence and Industry 5.0 (ICCI - 2024) (ISBN:978-81-967851-7-8 conducted by Velammal Institute of Technology, Chennai in Velammal Institute of Technology, Chennai on 03/04/2024

26. A. Harish, M. Karthithagam , A. Muthukumar and R. Ramaprabha presented a paper titled Design and development of high gain bi-directional inverter suitable for microgrid system in 5th International Conference on Computational Intelligence and Industry 5.0 (ICCI - 2024) (ISBN:978-81-967851-7-8 conducted by Velammal Institute of Technology, Chennai in Velammal Institute of Technology, Chennai on 03/04/2024
27. Rajamithra K, Rashmika V, Renuka B and R. Ramaprabha presented a paper titled Development of Soldier Vest For Enhanced Military Performance and Safety in 2nd International Conference on Recent Trends in Science, Technology, Engineering & Mathematics (ICSTEM 2024) conducted by RRASE College of Engineering, Chennai in RRASE College of Engineering, Chennai on 06/04/2024
28. M Aathiswari, M Deepika, S Aswin and R. Ramaprabha presented a paper titled Simulation of Single-Phase Quadratic Switched Boost Inverter for PV Application in 2nd International Conference on Recent Trends in Science, Technology, Engineering & Mathematics (ICSTEM 2024) conducted by RRASE College of Engineering, Chennai in RRASE College of Engineering, Chennai on 06/04/2024
29. Vignesh J, M Balaji presented a paper titled Development of Human Machine Interface for Battery Management System in Fifth International Conference on Computational Intelligence and Industry 5.0 conducted by Velammal Institute of Technology, Chennai, India in India on 03/04/2024
30. Daawood,Pradeep. P, Surya. J, K. Murugesan, M. Senthil Kumaran presented a paper titled MACHINE LEARNING BASED REAL TIME TEXT RECOGNITION USING RASPBERRY PI in International Conference on Recent Trends in Science, Technology, Engineering & Mathematics (ICSTEM-2024) on 6th & 7th April 2024. conducted by RRASE College of Engineering in RRASE College of Engineering, Padappai, Chennai, Tamilnadu, India. on 07/04/2024
31. R. Rengaraj, G. R. Venkatakrisnan, Ranganath R, Sethuram Gautham R ,Sriram V presented a paper titled Design and Implementation of real time monitoring system of diesel generator using IoT in IEEE Sponsored Second IEEE International Conference on Networking and Communications 2024 (ICNWC 2024) conducted by SRM Institute of Science and Technology, Vadapalani in Chennai on 03/04/2024
32. R. Rengaraj, G. R. Venkatakrisnan, Praanesh R, Sharan, Srihari Kumar S presented a paper titled Design and Implementation of IoT based cricket ball for performance improvisation of the player in IEEE Sponsored Second IEEE International Conference on Networking and Communications 2024 (ICNWC 2024) conducted by SRM Institute of Science and Technology, Vadapalani in Chennai on 03/04/2024
33. H. T. Charakanam, I. Damarla, R. Panda, M. K. Kosuri, A. A. Ramiseti and H. C. Potluri presented a paper titled Optimal Power Allocation of BESS in Microgrid using Machine Learning Techniques in 2024 Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE) conducted by IEEE in Vellore, India on 18/04/2024
34. V.Rajini, R Raghul, presented a paper titled,"Exploring sensorless and sensorless BLDC Motor control: A comparative study with Sine PWM experimentation for enhanced electric vehicle performance" in the 5th international conference on computational intelligence and industry 5.0 -ICCI2024 on 3rd April 2024 at Velammal institute of Technology.