

RAMCO INSTITUTE OF TECHNOLOGY
Department of Electrical and Electronics Engineering
Conference Publications/Presentation
Academic Year 2023 – 2024

1. **Guna A., Sharmila Kumari S and Sivapriya G**, “State of Charge based Charging Controller with Temperature monitoring system for Lithium ion Battery in Electric Vehicle”, E3S Web of Conferences-<https://doi.org/10.1051/e3sconf/202339901008>. (**Scopus**)
2. **Thangam Esakkiappan**, Manikandan Bairavan Veerayan and **Kannan Subramanian**, “Studies on the planning of generation expansion in a renewable dominated power system”, AIP Conference Proceedings, 20.09.2023, <https://doi.org/10.1063/5.0162763>. (**Scopus**)
3. **Sharmila Kumari S, Sivapriya G**, Jeyasri Nivetha, Keerthana, “Assistive system based on fuzzy to guide visually impaired people to their optimal path”, AIP Conference Proceedings, 20.09.2023, <https://doi.org/10.1063/5.0163154>. (**Scopus**)
4. **Meenakshi Sundaravel Sethu Ramachandran**, Manikandan Bairavan Veerayan, “Analysis of cascaded H-bridge multilevel inverter using various pulse width modulation strategies”, AIP Conference Proceedings, 20.09.2023, <https://doi.org/10.1063/5.0162827>. (**Scopus**)
5. **Jeyanthi Sivasubramanian**, Manikandan Bairavan Veerayan, “Performance analysis of solar PV system fed boost converter using different MPPT techniques”, AIP Conference Proceedings, 20.09.2023, <https://doi.org/10.1063/5.0162965>. (**Scopus**)
6. D. Citharthan, M. Varatharaj, M. Arumuga Babu and **S. Kannan**, “Field oriented control of permanent magnet synchronous motor with d-q axis decoupling using feed forward compensation”, AIP Conference Proceedings, 20.09.2023, <https://doi.org/10.1063/5.0164857> (**Scopus**)
7. Ipsita Nayak, Dr. G. Radha, Dr.R.M.Mastan Shareef, **Thangam E**, K Senthamilselvan, Jayalakshmi V, “Enhancing Student Performance through Adaptive Knowledge Assessment: A Bayesian Optimization Approach”, the International Conference on Sustainable Communication Networks and

Application (ICSCNA 2023) organized by Bharat Niketan Engineering College, Theni during 15.11.2023 to 17.11.2023. ISBN: 979-8-3503-1397-0. (**Scopus**)

8. Shaji. K. A. Theodore, **S. Meenakshi Sundaravel**, Kavin K. S., P. T. Subasini, L. Anbarasu, Khaliq Ah, “Performance Analysis of AI Based Interleaved Boost Converter under PV Partial Shaded Conditions”, Proceedings of the International Conference on Energy, Materials and Communication Engineering (ICEMCE 2023), IEEE Xplore, 2023, DOI:10.1109/ICEMCE57940.2023.10434141. (**Scopus**)
9. Majjari Raveendra, K.Vijayakumar, **S.Kannan**, “A Novel MSGO MPPT Controller based Hybrid Flyback-Cuk Converter for EV Applications”, International Conference on Power Energy, Environment & Intelligent Control (PEEIC) IEEE Xplore, 979-8-3503-5776-9/23/\$31.00 ©2023 IEEE | DOI: 10.1109/PEEIC59336.2023.10452028. (**Scopus**)
10. Ashif M, Vijayakumar K, **Kannan S**, “Combined Review on Battery and Energy Management Systems in Hybrid Electric Vehicle”, International Conference on Power Energy, Environment & Intelligent Control (PEEIC) IEEE Xplore, 979-8-3503-5776-9/23/\$31.00 ©2023 IEEE | DOI: 10.1109/PEEIC59336.2023.10451957. (**Scopus**)
11. N Hariharan, R. Balakrishnan, B. Ravisankar, **D. Karthik Prabhu**, B Suresh Kumar, S Srimathi, “Short-term load forecasting using Artificial Bee Colony Optimization with Deep Learning Model on Power Systems”, 2024 Second International Conference on Smart Technologies for Power and Renewable Energy (SPECon), 02-04 April 2024, DOI: 10.1109/SPECon61254.2024.10537335. Published on 28.05.2024. (**Scopus**).
12. **G.Sivapriya**, Punitha K, “Optimal Energy Harvesting from a Multistring Photovoltaic (PV) Generator Using the Artificial Bee Colony Algorithm”, 13th IEEE International Conference on Communication Systems and Network Technologies (CSNT 2024). (**Scopus**)
13. **D.Karthik Prabhu**, P. Kayalvizhi, M. Varunganesh, N Gokul, “Autonomous Agriculture Robot for Precision Farming”, International Conference on Emerging Trends, Science, Engineering and Management 24, held on 26th and

27th April 2024 at Bahrat Niketan Engineering College, Aundipatty, Theni District. ISBN: 9789361635793.

14. Mrs. G. Sivapriya, P. Muthupandi, N. Yuvapriya, R. Sangili Guru, “Robotic Solar Panel Cleaning System”, International Conference on Recent Advancements in Management and Engineering Research (ICREAMER’24) held on 22-23 March 2024 at Dhanalakshmi Srinivasan College of Engineering and Technology, Chennai.
15. Mrs. G. Sivapriya, S. Muthu hareesh, P. Surya prakash, R. Sivaram, “Customized Tricycle Assistive Technology for People with Disabilities”, International Conference on Innovations in Computational intelligence and Computer vision on 05.04.2024 at RVS Technical Campus Coimbatore.
16. **A.Guna, G.Sivapriya, S.SharmilaKumari**, “Voltage equalization controller for lithiumion batteries in Electric vehicle applications”, International Conference on Artificial Intelligence, Cybersecurity, and Game Design (ICAICGD 2024) held on 23.02.2024 at Ramco Institute of Technology, Rajapalayam.
17. **G.Sivapriya , S.Sharmila Kumari** , R.Sivaram , N.Yuvapriya, “IoT-driven Rainwater Harvesting for Conserving Crops”, ICAICGD 2024, Ramco Institute of Technology 2024.
18. **S.Kannan**, T Udhaya, G Bhuvanesh, M Jeyasakthi, “Underground communication system for Mining safety”, International Conference on Innovations in Computational intelligence and Computer vision on 05.04.2024 at RVS Technical Campus Coimbatore.
19. **S.Kannan**, T Ashwath arjun, S Aswin, M Santhosh, “Smart shopping for visually impaired individuals”, International Conference on Emerging Trends, Science, Engineering and Management 24, held on 26th and 27th April 2024 at Bahrat Niketan Engineering College, Aundipatty, Theni District. ISBN: 9789361635793.
20. **S. Meenakshi Sundaravel**, V. Sabarisha, R. Alagendra, B. Nikil Dev, “Wireless Underground Sensor Network Path Loss Model for Precision Agriculture”,

International Conference on Emerging Trends, Science, Engineering and Management 24, held on 26th and 27th April 2024 at Bahrat Niketan Engineering College, Aundipatty, Theni District. ISBN: 9789361635793.

21. **S. Meenakshi Sundaravel**, R. Chandru, T.R. Alagarsamy Yasvanth, G. Balaraman, “Smart Subsurface Irrigation System Using AI and IoT”, International Conference on Exploring AI, IOT, Science and Technology (ICEAIST-24) at M.A.M School of Engineering, Trichy on 26.04.2024 to 27.04.2024.
22. Arunkumar S, Gayathree P G, M.Karpagaraj and **Arun Kumar A**, “Enhancement of Resilience using Smart Fault Detection and Localization in Electrical System”, International Conference on Exploring AI, IOT, Science and Technology (ICEAIST-24) at M.A.M School of Engineering, Trichy, during 26.04.2024 & 27.04.2024.
23. B. Jeyapadma, K. Sakthi Karuppasamy, M.Vairamani, **S. Jeyanthi**, “Sustain Home: A Renewable Energy-Driven, User-Friendly Iot Based Smart Home System”, International Conference on Exploring AI, IOT, Science and Technology (ICEAIST-24) at M.A.M School of Engineering, Trichy during 26.04.2024 & 27.04.2024.
24. G. Dhana Bharathi Lakshmi, M. Praveen Selvamani, T. Surya Kumar **S. Jeyanthi**, “RFID-Enabled Integrated Digital Infrastructure for Advancing Visibility in Multimodal Goods Transportation”, International Conference on Exploring AI, IOT, Science and Technology (ICEAIST-24) at M.A.M School of Engineering, Trichy during 26.04.2024 & 27.04.2024.
25. **S.SharmilaKumari**, “A review on application of learning techniques in AI”, International Conference on Artificial Intelligence, Cybersecurity, and Game Design (ICAICGD 2024) held on 23.02.2024 at Ramco Institute of Technology, Rajapalayam.