

**RAMCO INSTITUTE OF TECHNOLOGY**  
**Department of Electrical and Electronics Engineering**  
**Journal Publications**

**Academic Year 2022 – 2023**

1. **A. Arun Kumar**, B.V. Manikandan, **S. Kannan**, A. Bhuvanesh, “Application of Cognitive Optimization Algorithms to Solve Generation Expansion Planning Problem by Considering the Recuperation for Aged Thermal Plants”, NeuroQuantology|July2022|Volume20|Issue8| Page 7875-7887| doi:10.14704/nq.2022.20.8.NQ44813 (**SCOPUS**)
2. Dr. Pullela Kumar, Dr. Asan Mohideen Khansadurai, Dr Vrushali G. Raut, Dillip Narayan Sahu, **A.S.Vigneshwar**, Dr.A.Yasmine Begum, “Deep Learning-Based Anticipation of Driver Movement in Semi-autonomous Vehicles”, NeuroQuantology, ISSN.No. 1303-5150, vol. 20, no.10, August, 2022, page. 4485-4498 doi:10.14704/nq.2022.20.10.NQ55432 (**Scopus**)
3. Dr.S.Deepa, S.P.Alexprabu, **D.Karthik Prabhu**, Mallikarjun G Hudedmani, Govindarajulu Eedara, “Development of an embedded safety system for an electric vehicle”, Journal of Pharmaceutical Negative Results,| Volume 13,| Special Issue 9, 2022. (20.11.2022) (**Scopus**)
4. K. Vijayakumar, R.Bhuvaneshan, M.Devadharshini, C.O.Srinath Reddy, **S.Kannan**, “Analysis of Performance Parameters of Electric Vehicle Using MATLAB Simulink”, IEEE Explorer, 978-1-6654-3789-9/22/\$31.00 ©2022 IEEE | DOI: 10.1109/ICACITE53722.2022.9823742. (**Scopus**)
5. K. Karunanithi, S. Ramesh, S. P. Raja, R. Sreedhar, **S. Kannan**, V. Ramudu. “Investigations of standalone PV system with battery-supercapacitor hybrid energy storage system for household applications”, International journal of information technology, Springer, <https://doi.org/10.1007/s41870-022-01144-z>, 24 December 2022. (**SCI**)
6. **Deepa Lakshmi.B** , Rajendran RS , Jackrit Suthakorn and Branesh M. Pillai, “Impact of CIGS, CdS and i – ZnO film thickness, temperature on efficiency enhancement of CIGS solar cells”, Journal of Ceramic Processing Research. Vol. 23, No. 6, pp. 878~883 (2022) DOI : 10.36410/jcpr.2022.23.6.878 (**SCIE**)
7. **Thangam E**, Anandhakumar C , **Karthik Prabhu D** , **Meenakshi Sundaravel S** , **Vigneshwar A S**, “Application Of An Automatic Three-Phase Power Supply Phase Selector In The Medical Ventilator”, Journal of Pharmaceutical Negative Results,| Volume 13,| Special Issue 7, 2022. (30.12.2022) (**Scopus**) DOI: 10.47750/pnr.2022.13.S07.600.
8. S. Rajasekaran, S. Suresh, **K. Karthikeyan**, A. Bhuvanesh, “Implementation of an A-Source DC–DC Boost Combination Phase-Shifting Full-Bridge Converter for Electric Car Rapid Charging Applications”, Journal of Electrical Engineering & Technology, Issue No.1, Volume.18, (13.01.2023) <https://doi.org/10.1007/s42835-023-01382-6> (**SCI**)
9. **Jeyanthi S**, **Arun Kumar A**, Muthu Rani M M , Rohini M I , Divya Jeyashree V “IoT Based Food Waste Monitoring and Controlling System”, Journal of Pharmaceutical Negative Results. Issue No.3, Volume.14 (Feb. 2023), 586–591. DOI:<https://doi.org/10.47750/pnr.2023.14.03.073>. (**Others**)

10. S. Rajasekaran, S. Suresh, A. Bhuvanesh, **K. Karthikeyan**, “A Novel Solar Photovoltaic Integrated Modified SEPIC High Gain DC-DC Converter using Evolutionary Algorithms for Electric Vehicle Battery Applications”, Journal of Electrical Engineering & Technology, March 2023, (SCIE) <https://doi.org/10.1007/s42835-023-01459-2>
11. **Karthikeyan K**, Anitha P, Karthik Kumar K, Kamaraja A S, “Smart Emergency Charging of Electric Vehicle with Solar PV-based Backstepping Model-Free and critic RL Control Structure”, Control Engineering and Applied Informatics, Issue No. 24, Volume. 1 (2023) (SCIE)
12. D. Sabapathi, Yogesh Shivaji Pawar, Sumagna Patnaik, E.Sivanantham, **D. Karthik Prabhu**, N.B.Prakash, “Energy Load forecasting with Demand Side Management in Industrial Sectors using Neuro-Fuzzy Controller and Deep Learning”, Proceedings of the Third International Conference on Artificial Intelligence and Smart Energy (ICAIS 2023) IEEE Xplore Part Number: CFP23OAB-ART; ISBN: 978-1-6654-6216-7. DOI: 10.1109/ICAIS56108.2023.10073714. (Scopus)
13. G. Praveen, R. Kaliraj, J. Abimanyu, **E. Thangam**, “LoRa Based Real-Time Electrical Substation Monitoring System”, International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 11, Issue 4, April-2023, Impact Factor: 7.429. (Others)
14. B. Dora Arul Selvi, **S. Kannan**, “A Performance Comparison of Machine Learning Methods for Short-Range Wind Power Estimation”, E3S Web of Conferences 387, 05013 (2023), ICSERT-2023, <https://doi.org/10.1051/e3sconf/202338705013>, pp. 1-9 (Scopus)
15. Bhavani N P G, **Deepa Lakshmi B**, Sujatha K. Tamilselvi C, “Smart Monitoring and Quality Control in Leather Processing Industry”, Springer conference Proceedings, January 2023, [https://doi.org/10.1007/978-981-19-2358-6\\_57](https://doi.org/10.1007/978-981-19-2358-6_57) (Scopus)