



# SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY

[Educational Service: SNR Sons Charitable Trust]

[Autonomous Institution, Reaccredited by NAAC with 'A' Grade]

[Approved by AICTE New Delhi, Permanently Affiliated to Anna University, Chennai]

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Journals (2025-2026)

1. Udaiyakumar S, Sangeetha Shanmugam, Kannayeram Ganapathiya Pillai, "A Hybrid Extremal Learning Machine and Sine Cosine Algorithm Place Forecasting", International Journal of Electrical and Computer Engineering (IJECE), Vol. 15, No. 5, October 2025,
2. M. Manikandan, R. Saravanan, G. Kannayeram, M. Sarvanan, "Integrating renewable resources and electric vehicles: An approach for effective energy management in DC microgrid", ELSEVIER, Solar Energy, 299,2025
3. T Senthil Siva Subramaniam, Nabuyuki Shiruhawa, Rishikeah Patankar, N Manikandan and G Kannayeram, "India's Path Breaking Quantum Science and Technology: A Giant Leap to Achieve Quantum Savvy", Special Issue on Creating Artificial Intelligence and Quantum Enabled Higher Education Institutions., University News of Osmania University, Hyderabad

### Journals (2024-2025)

1. S. Sangeetha, R. Saravanan, G. Kannayeram, "Enhancing Smart Grid Reliability Through Strategic Allocation Of Electric Vehicle Charging Stations Using COA-FBPINNS Approach", Environment, Development and Sustainability, Springer Nature, 2025
2. C.V. Pavithra, G. Kannayeram, R. Saravanan, "Fuel Cell-Battery Vehicles for Optimised Energy Utilisation and Sustainability Using the LOA-SAGAN Approach", IETE Journal of Research, Volume 71, Issue 7, 2025
3. S.Udaiyakumar, G.Kannayeram, V.S.Hariharan, R.Saravanan, "Optimizing Solar Photovoltaic and Biomass Integration for Electric Vehicle Charging Stations in Metropolitan Cities; A Hybrid Approach", Optimal Control Applications and Methods, Volume 45, Issue 6, August 2024
4. D.Poornima, C.Vivekanandan, "A Series Compensated Buck-Boost Converter-Based Thermoelectric Energy Harvesting System with Sliding Mode Controller", Journal of Circuits, Systems, and Computers, November 2024, Volume.33, No.16, 2450290.

5. E.Ramkumar & M.Paulraj, "Optimized FFNN with multichannel CSP-ICA framework of EEG signal for BCI", Computer Methods in Biomechanics and Biomedical Engineering, January 2025, Volume.28, No.1, 61-78.
6. Ganapathiyapillai Kannayeram, Rathinam Muniraj, J. Jeny Jasmine, S. Edwin Raja, T. Jarin, "Energy Management of Renewable Energy Connected Electric Vehicles Charging Using Internet of Things: Hybrid MRA-SDRN Approach", Energy 304 (2024) 132128

### **Journals (2023-2024)**

1. Anandhakumar C, Sakthivel Murugan N S, Kumaresan K, "Extreme Learning Machine Model with Honey Badger Algorithm-Based State of Charge Estimation of Li-Ion Battery" Journal of Expert Systems with Applications, Pergamon-Elsevier Science, March 2023, Volume.238, Issue. Part-A,
2. Sangeetha.S, Sri Revathi. B, Balamurugan. K, Suresh.G, "Performance Analysis of Buck Converter with Fractional PID Controller Using Hybrid Technique", Robotics and Autonomous Systems, August 2023, Volume.169, 104515.
3. Saranya.K, Pandiyan.P.M, Hema.C.R, "Certain Investigations on Feature Selection Technique using Artificial Immune Systems for EEG Color Visualization Classification, Neural Network World, February 2024, Issue.1, 53.
4. Rathinam Muniraj, Ganapathiyapillai Kannayeram, Ragavan Saravanan, "Non- linear Hydraulic System (MIMO) Plant for Optimal Control and Identification by Hybrid BCMO-RERNN Strategy, Int.J.Heavy Vehicle Systems, May 2024, Volume.31, No.3, 413-442
5. Mohamed Faizal, G. Kannayeram, Agnes Prema Mary, "A Novel Power Quality Improved AC Voltage Controller for Soft Starting of Squirrel Cage Induction Motors", Journal of Power Electronics (2024) 24:1139–1149.

### **Journals (2022-2023)**

1. I Alagarasan, Sangeetha S, "Smart Power Quality Management in EV Charging Station", Neuroquantology, Vol.20, Issue.10, 6590-6597, Sept 2022
2. 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

3. P. Rajesh, Francis H. Shajin, G. Kannayeram, “A Novel Intelligent Technique For Energy Management In Smart Home Using Internet Of Things”, Applied Soft Computing, Elsevier, 128 (2022) 109442
4. Dr. C. R. Hema, “Brain Machine Interface Design Using FTD Neural Networks”, International Journal of Research and Analytical Reviews, Volume 9, Issue 4 November 2022
5. G .Kannayeram, R.Muniraj, R.Saravanan, “Impacts of electric vehicle charging station with the integration of renewable energy with grid connected system: a hybrid technique' Springer Journal of Clean Technologies and Environmental Policy,25(7), 1-18

