



# SHREE VENKATESHWARA HI-TECH ENGINEERING COLLEGE

Accredited by NAAC with 'A' Grade

An ISO 9001:2015 Certified Institution

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai

Gobichettipalayam – 638 455, Erode District, Tamilnadu

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### LIST OF FACULTY PUBLICATIONS

S.No	Academic Year	Faculty Name	Journal Name	Title of Paper	DOI/ISSN/ ISBN No	Impact Factor
1.	2021-2022	Dr. P. Karuppusamy	Journal of Electrical Engineering and Automation	Wireless Power Transfer Device Based on RF Energy Circuit and Transformer Coupling Procedure	DOI: <a href="https://doi.org/10.36548/jeea.2021.3.006">https://doi.org/10.36548/jeea.2021.3.006</a> 2582-3051	0.86
2.	2021-2022	Dr. P. Karuppusamy	Journal of Electronics and Informatics	Design of Adaptive Estimator for Nonlinear control system in Noisy Domain”,	DOI: <a href="https://doi.org/10.36548/jei.2021.3.001">https://doi.org/10.36548/jei.2021.3.001</a> 2582-3825.	1.004
3.	2021-2022	Dr. P. Karuppusamy	Journal of Electrical Engineering and Automation	Design of Inverter Voltage Mode Controller by Backstepping Technique for Nonlinear Power System Model	DOI: <a href="https://doi.org/10.36548/jeea.2021.4.002">https://doi.org/10.36548/jeea.2021.4.002</a> 2582 - 3051	0.86
4.	2021-2022	Dr. P. Karuppusamy	Journal of Electronics and Informatics	Comparative Analysis an Early Fault Diagnosis Approaches in Rotating Machinery by Convolution Neural Network	DOI: <a href="https://doi.org/10.36548/jei.2021.2.003">https://doi.org/10.36548/jei.2021.2.003</a> 2582 – 3825	1.004
5.	2020-2021	Dr. P. Karuppusamy	Journal of Soft Computing Paradigm	Building Detection using Two-Layered Novel Convolutional Neural Networks	DOI: <a href="https://doi.org/10.36548/jscp.2021.1.004">https://doi.org/10.36548/jscp.2021.1.004</a> 2582-2640	3.64
6.	2020-2021	Dr. P. Karuppusamy	Journal of Electrical Engineering and Automation	Integrated Renewable Energy Management System for Reduced Hydrogen Consumption using Fuel Cell	DOI: <a href="https://doi.org/10.36548/jeea.2021.1.005">https://doi.org/10.36548/jeea.2021.1.005</a> 2582-3051	0.86



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7.	2020-2021	Dr. P. Karuppusamy	Journal of Electronics and Informatics	A Sensor based IoT Monitoring System for Electrical Devices using Blynk framework	DOI: <a href="https://doi.org/10.36548/jei.2020.3.005">https://doi.org/10.36548/jei.2020.3.005</a> 2582-3825	1.004
8.	2020-2021	Dr. P. Karuppusamy	Journal of Artificial Intelligence and Capsule Networks	Artificial Recurrent Neural Network Architecture in Customer Consumption Prediction for Business Development	DOI: <a href="https://doi.org/10.36548/jaicn.2020.2.004">https://doi.org/10.36548/jaicn.2020.2.004</a> 2582-2012	0.657
9.	2020-2021	Dr. P. Karuppusamy	Journal of Soft Computing Paradigm	Effective Test Suite Optimization for Improving the Coverage Standards Using Hybrid Wrapper Filter Memetic Algorithm	DOI: <a href="https://doi.org/10.36548/jscp.2020.2.001">https://doi.org/10.36548/jscp.2020.2.001</a> 2582-2640	3.64
10.	2020-2021	Dr. P. Karuppusamy	Journal of Soft Computing Paradigm	Hybrid Manta Ray Foraging Optimization for Novel Brain Tumor Detection	DOI: <a href="https://doi.org/10.36548/jscp.2020.3.006">https://doi.org/10.36548/jscp.2020.3.006</a> 2582-2640	3.64
11.	2020-2021	Dr. P. Karuppusamy	Journal of Soft Computing Paradigm	Machine Learning Approach to Predictive Maintenance in Manufacturing Industry - A Comparative Study	DOI: <a href="https://doi.org/10.36548/jscp.2020.4.006">https://doi.org/10.36548/jscp.2020.4.006</a> 2582-2640	3.64
12.	2020-2021	Dr. P. Karuppusamy	Journal of Electrical Engineering and Automation	Modified Symbiotic Organisms Search for Plug-In Hybrid Electric Vehicles through Renewable Micro-Grids	DOI: <a href="https://doi.org/10.36548/jeea.2020.2.003">https://doi.org/10.36548/jeea.2020.2.003</a> 2582-3051	0.86
13.	2020-2021	Dr. P. Karuppusamy	Journal of Electrical Engineering and Automation	Performance Analysis of Multiple Pico Hydro Power Generation	DOI: <a href="https://doi.org/10.36548/jeea.2020.2.005">https://doi.org/10.36548/jeea.2020.2.005</a> 2582-3051	0.86



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14.	2020-2021	Dr. P. Karuppusamy	Neural Processing letters	Capsule Networks and Imaging Science (CNIS)	<a href="https://doi.org/10.1007/s11063-021-10550-6">https://doi.org/10.1007/s11063-021-10550-6</a> 2582 - 3051.	2.565
15.	2020-2021	Dr. P. Karuppusamy	Journal of Electrical Engineering and Automation	Advanced Metering Infrastructure with Secure Chord Lookup Protocol for IoT Systems	DOI: <a href="https://doi.org/10.36548/jeea.2020.3.001">https://doi.org/10.36548/jeea.2020.3.001</a> 2582 - 3051	0.86
16.	2020-2021	Dr. R. Balraj	Emerald Publishing Limited	A Novel PV array interconnection scheme to extract maximum power based on global shade dispersion using grey wolf optimization algorithm under partial shading conditions	DOI 10.1108/CW-07-2020-0143] 0305-6120	1.891
17.	2019-2020	Dr. P. Karuppusamy	Journal of Artificial Intelligence and Capsule Networks	Analysis of Neural Network Based Language Modeling	DOI: <a href="https://doi.org/10.36548/jaicn.2020.1.006">https://doi.org/10.36548/jaicn.2020.1.006</a> 2582-2012	1.657
18.	2019-2020	Dr. P. Karuppusamy	Journal of Electronics and Informatics	Design and Analysis of Low - Power, High - Speed Baugh Wooley Multiplier	DOI: <a href="https://doi.org/10.36548/jei.2019.2.001">https://doi.org/10.36548/jei.2019.2.001</a> 2582-3825	1.004
19.	2019-2020	Dr. P. Karuppusamy	Journal of Electrical Engineering and Automation	Synchronization of Reactive Power in Solar Based DG and Voltage Regulated Elements Using Stochastic Optimization Technique	DOI: <a href="https://doi.org/10.36548/jeea.2020.1.006">https://doi.org/10.36548/jeea.2020.1.006</a> 2582- 3051.	0.86

P. K. S.  
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