Department of Electrical and Electronics Engineering

Name	*Dr. J. Dani Abraham*			
Date of Birth	27.05.1982			
Unique ID	1-7436601355			
Educational Qualifications	*B.E., M.E., Ph.D*			
Designation	Associate Professor			
Email ID	jdaniabraham@sethu.ac.in			
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Experience	Industry	Teaching	Others	Total
	7 Years	5 Years	1 Year 10 Months	13 Years 10 Months
Date of Joining the Institution	23.07.2024			
Area of Specialization	***Power Electronics***			
Courses taught	Principles of Electrical Engineering, Fundamentals of Electrical and Electronics Engineering, Electrical Engineering Laboratory, Project Management and Finance, Integrated Control of Electric Vehicle, Design of Electric Vehicle Charging System,			
Research Focus	Renewable Energy Systems, Electric Vehicle,			
Subject Competency	Power Electronics, Electrical Machines, Renewable Energy System.			
No. of papers published	International Journals	Conferences		
	2	***3***		
PG Specialization	Power Electronics and Drives			
Ph.D. Specialization	Electrical Engineering			

Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E	Electrical and Electronics Engineering	Madurai Kamaraj University	2004
PG	M.E	Power Electronics and Drives	Anna University	2015
Ph.D.		Electrical Engineering	Anna University	2023

Details of Journal Publication:

1.Hybrid Parrot Optimizer and Dynamic Weighted Hypergraph Convolutional Network for Fast Electric Vehicle Charging Stations with Renewable Energy, Soundradevi, G., Jawahar, R., **Dani Abraham, J.**, Radhika, A. and Lawrence Sahaya Sundar, A., 2025. Iranian Journal of Science and Technology, Transactions of Electrical Engineering, pp.1-17.

2.Novel Fault Detection and Identification System for Solar Photovoltaic System using Truncated Arrangement of Active Cell (TAAC) Structure, **J.Dani Abraham**, R.M.Sasiraja, G.R.Rajesh Kanna, Journal of Intelligent and Fuzzy Systems, volume. 43, issue. 3, pp. 2549-2565, DOI: 10.3233/JIFS-213040, 2022.

Details of Conference attended:

1. Integration of smart weighing and digital data transmission for error-free commodity distribution, in AI Applications in Smart Technologies and Manufacturing Proceedings of the Third International conference on Applications of AI in Smart Technologies and Manufacturing (AISTM 2025), March 07-08, 2025, Hyderabad, India.

2. An Investigation on Static Reconfiguration of Solar Photovoltaic Panels by Adopting Arithmetic Array Modelling" in IEEE sponsored International Conference on Energy, Materials and Communication Engineering, organized by Thiagarajar College of Engineering, Madurai on 14th and 15th December 2023. Paper ID:254.

3. Quality Span Prediction (QSP) of Solar Photovoltaic Panels", in 3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2021) at Francis Xavier Engineering College, Tirunelveli, India.

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