




SETHU INSTITUTE OF TECHNOLOGY
(An Autonomous Institution| Accredited with 'A++' Grade by NAAC)
Pulloor, Kariapatti –Taluk. Virudhunagar Dist-626115.



Department of Electrical and Electronics Engineering				
Name	Dr.P.Kanirajan			
Date of Birth	04/08/1976			
Unique ID	1-10873853171			
Educational Qualifications	M.E.,PhD			
Designation	Professor			
Email ID	kanirajan@sethu.ac.in			
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Experience	Industry	Teaching	Total	
	2.2years	21.5 years	22.7years	
Date of Joining the Institution	03/04/2024			
Area of Specialization	Power System Engineering			
Courses taught	Power System Analysis, Power System Operation and Control Transmission and Distribution Power Quality Measurement and Instrumentation, Soft Computing, Protection and Switch gear			
Research Focus	Power Quality			
Research guidance (Number of Scholars)	One			
Subject Competency	Power System stability			
No. of papers published	National Journals	International Journals	Conferences	
	--	18	06	
PG Specialization	Power System Engineering			
Ph.D. Specialization	Power Quality			
Projects Carried out	12			
Patents (Filed & Granted)	1			

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Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E	EEE	Sri Ramakrishna Engineering CollegeCoimbatore	1999
PG	M.E	Power System Engineering	Thiagarajar College of Engineering, Madurai	2002
Ph.D.	PhD	Power Quality	Anna universityChennai	2016

Details of Journal Publication:

- ② Kanirajan, P & Suresh Kumar, V 2015, 'Power quality disturbances detection and classification using wavelet and RBFNN' In **Applied Soft Computing, Elsevier**, Vol. 35, pp. 470-481.
- ② Kanirajan, P & Suresh Kumar, V 'Wavelet - based power quality disturbances detection and classification using RBFNN and Fuzzy Logic', **International Journal of Fuzzy Systems, Springer**, Vol.17 (4), pp.623-634.
- ② Kanirajan, P & Suresh Kumar, V 2015, 'A wavelet based data compression technique for power quality events classification', **WSEAS Trans. on Power system**, Vol. 10, pp. 82-88.
- ② Dani Abraham I & KaniRajan P,2015,'Grid Power Compensation by Micro Grid System with Bidirectional AC/DC Converter and DC/DC Converter PWM Strategy', **IJAREEIE** ,Vol.4, pp. 8352-8359.
- ② Kanirajan and M Joly, 2019 " An Integrated Data Compression Using Wavelet and Neural Network for Power Quality Disturbances"**WSEAS transaction on Computer Research** 7 (5), 9-22.
- ② Kanirajan ,M.Joly ,(2019) Modelling of DSATCOM for improving Power Quality Using ANN Controller by Fuzzy C- Means Clustering .**International journal of Power systems** 4, 70-76.
- ② Joly , P .Kanirajan and M.Venkatasubramani " Control and Integration of Automatic Flood Warning and Alert System using Internet of Things"**Journal of Computationaland Theoretical Nano science**" Vol.17, 1906 - 1910,2020.
- ② Jagadeesh kumar.K, Kanirajan.P “ Design and Implementation of Renewable Energy System to Support Power Grid System”**International Journal of Advanced Innovative Discoveries in Engineering and Applications**, Vol.5(4),2020.

- ⑦ Kanirajan, P & M.Joly, 'Fuzzy Expert System for Recognition of Power Quality Disturbances, **WSEAS Trans. on Electronics**, Vol. 11 (2020).
- ⑦ T.Sathrukan & P.Kani Rajan, 2017 A Single-Phase Photovoltaic Boost-Buck inverter variable structure control for grid-connected systems, **Elysium Journal of Engineering Research and Management**, Vol. 4, No.5, October 2017
- ⑦ P Kanirajan, M Joly and T Eswaran “ A Comparison of Back propagation and PSO for training RBF Neural Network for Wavelet based Detection and Classification of Power Quality Disturbances”**International Journal of Signal Processing**, Vol.6 ,2021.
- ⑦ P Kanirajan and Moguthala Shankar “ Review & Analysis of PV Power Systems using MPPT based on ANN Techniques ”**Gradiva Review Journal** 9 (1), 47-57. 2023.
- ⑦ P.Kanirajan “Wavelet based Detection and Classification of Power Quality disturbances using SVM and PSO ” **International Journal of Electrical Engineering and Computer Science** ” 5, 105 ,2023.
- ⑦ P.Kanirajan “RBFNN based Power Quality issue Detection and Classification using Wavelet - PSO”**International Journal of Electrical Engineering and Computer Science**, 5, 116-122, 2023.
- ⑦ P.Kanirajan “MPNN based Voltage Profile Enhancement in Grid System”**Journal of Technology**, 13 (1), 2023.
- ⑦ P.Kanirajan “ Modular Probabilistic Neural Network Based Power Quality Events Classification”**Positif** , 23 (5), 2023.
- ⑦ P.Kanirajan “ Probabilistic Neural Network Based Power Quality Issues Identification Using Wavelet ” **Gradiva review Journal** , 9 (5) 2023

Details of Conference attended:

- 12th International Conference on Emerging Trends in Engineering and Technology(ICETET'25) 4th and 5th April 2025, Pandian Saraswathi Yadav Engineering College.
- International conference on ICRACIA-2021 March 31 and April 1st at M.Kumarasamy College of Engineering ,Karur.
- International Conference on smart structure and systems held on 16th october , 2018, Saveetha Engineering College
- 2014 International Conference on Advances in Engineering and management, March 28 and 29, NPR College of Engineering and Technology, Natham.
- National level conference on ACECCT-2020,Adithya Institute of Technology. June 5 and 6 2020.
- National conference on Applications of Emerging Technology in Electrical Sciences , April 9, 2009 at Velalar College of Engineering and Technology

Details of Patents Filed and Granted: 1. Power quality Disturbance Detection using Transfer Learning

Expert Lecture Delivered: Title: Internet of Things

SBM College of Engineering and Technology

24.02.2025..