

**Dr. A. MADHAN**

Assistant Professor-III, Department of Electrical & Electronics Engineering

Velammal College of Engineering and Technology, Madurai

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**Educational Qualification:**

Degree	Specialization
Ph.D	Electrical Engineering
M.E,	Power Systems Engineering
B.E,	Electrical and Electronics Engineering

**Experience in Years: 8 Years****Employment History:**

- Assistant Professor in Velammal College of Engineering and Technology, Madurai – (June 2018 – Till now)
- Assistant Professor in Sri Krishna College of Engineering and Technology (Autonomous Institution), Coimbatore – (May 2016 – May 2018)
- Assistant Professor in MAM College of Engineering, Trichy – (June 2015 – April 2016).

**Interested Research Areas:**

Smart Grid, Smart Energy Meter, Renewable Energy, Electrical Machines, Energy Management Systems

**Scholarships and Awards received:**

- Recognition for Outstanding contribution towards Placement.

**Patent Details:**

- Published a patent titled “Mobile Medical Emergency System based on Blockchain and 5G Communication” with Application No.202341007935 A and Publication Date : 24/02/2023.

**Publications Details:****1. International Journal Publication Details:**

- Published a paper titled “**Real-Time Installation of a Smart Energy Meters Using the Long-Range Network**” in Journal of Electrical Engineering & Technology, published on 19 July 2023.
- Published paper titled “**Power Quality Enhancement in Hybrid Sustainable Energy Systems Grid-Connected Scheme by Modified Non-dominated Sorting Genetic Algorithm**” in Journal of Electrical Engineering & Technology, SCI Scopus Indexed

published on 31 October 2023.

- Published a paper titled “**IoT Based Real-Time Monitoring of Transformer**” in Journal For Basic Sciences /Fangzhi Gaoxiao Jichukexue Xuebao, , Volume 23, Issue 1, 2023, 1031 -1036
- Published a paper titled “**SMARTCARD BASED GROCERY DISPENSING SYSTEM**” in International Research Journal of and Technology (IRJET) Volume 7, Issue 3, 2020
- Published a paper titled “**Power Flow Monitoring in Smart Grid using Smart Energy Meter**” in **International Journal of Pure and Applied Mathematics (Scopus Indexed)**, Volume 119 No. 12 2018, 1829-1838, ISSN 1311-8080 (Print) & ISSN 1314-3395 (Online).
- Published a paper titled “**Enhancement of Power Quality for the Nonlinear Distribution System Using Active Filter**” in **International Journal of Innovative Research in Science, Engineering and Technology**, ISSN(Online): 2319-8753, ISSN (Print): 2347-6710, Vol. 6, Issue 3, March 2017.
- Published a paper titled “**Grid Stabilization and Power Quality Enhancement Using Voltage Source Converter based High Voltage Direct Current and Model Predictive Control**” in **International Journal of Applied Engineering Research (Annexure II)**, ISSN 0973-4562 Vol. 10 No.59 (2015).

## 2. International Conference Presentation Details:

- Presented a Paper in the **3<sup>rd</sup> Edition of IEEE NKSSS’s Flagship International Conference, NKCon 2024** organized by IEEE North Karnataka SubSection (NKSS) hosted at Basaveshwar Engineering College, Bagalkote, Karnataka, India on **21.09.2024**.
- Presented a paper in **7<sup>th</sup> International conference on Emerging Trends in Engineering and Technology** on 13<sup>th</sup> and 14<sup>th</sup> March,2020 held at Pandian Saraswathi Yadav Engineering College, Sivagangai
- Presented a paper in "**International Conference on Recent Advances in Engineering & Technology**" (ICRAET-17) organized by Sri Krishna College of Engineering & Technology, Coimbatore on 29<sup>th</sup> December 2017.
- Presented a paper in "**International Conference on Recent Advances in Engineering, Science & Technology**" organized by Noorul Islam University, Kumaracoil, Kanyakumari district.
- Presented a paper in **National Conference on Smart grid and Renewable Energy Sources** organized by College of Engineering Guindy, Anna University Chennai.
- Presented a paper in **International Conference on Emerging Trends in Engineering & Technology** organized by Pandian Saraswathi Yadav Engineering College, Sivagangai.
- Presented a paper in "**International Conference on Power and Energy Systems-ICPES'13**" organized by EEE department in Velammal College of Engineering and Technology, Madurai.

### **3. National Conference Presentation Details:**

- Presented a paper in "**National Conference on Modernization in Engineering Science**" (**NCMES 2017**) organized by Sri Krishna College of Engineering & Technology, Coimbatore on 24<sup>th</sup> March 2017
- Presented a paper in **National Conference on Power Engineering 'NPEC'15'** organized by Thiagarajar College of Engineering, Madurai.

## 4. Google Scholar Report:



**A Madhan**

FOLLOW

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Power Systems Smart Grid

<input type="checkbox"/>	TITLE	CITED BY	YEAR
<input type="checkbox"/>	<b>Real-Time Installation of a Smart Energy Meters Using the Long-Range Network</b> A Madhan, A Shunmugalatha, AS Vigneshwar Journal of Electrical Engineering & Technology, 1-14		2023
<input type="checkbox"/>	<b>Smart Monitoring System for Leakage Current and Excess Power Harvesting System for Industrial Applications</b> T Kesavan, K Nagendran, M SenthilKumar, G Ravivarman, A Madhan, ... 2021 Innovations in Power and Advanced Computing Technologies (i-PACT), 1-4		2021
<input type="checkbox"/>	<b>Marinetime Boundary Detection System with Cyclone Alert</b> JRDR A.Madhan ME1., V.Mothiraj2, S.M.Raghul3 International Journal of Innovative Research in Electrical, Electronics ...		2021
<input type="checkbox"/>	<b>SMARTCARD BASED GROCERY DISPENSING SYSTEM</b> JTJ Madhan A, Fazila S, Swetha S International Research Journal of Engineering and Technology (IRJET) 7 (3 ...		2020
<input type="checkbox"/>	<b>Enhancement of Power Quality for the Non Linear Distribution System Using Active Filter</b> MA, KK Muthukumar K, Udayakumar L International Journal of Innovative Research in Science, Engineering and ...		2017
<input type="checkbox"/>	<b>Grid Stabilization and Power Quality Enhancement Using Voltage Source Converter based High Voltage Direct Current and Model Predictive Control</b> AMA Shunmugalatha International Journal of Applied Engineering Research 10 (59), 285-296		2015