

Name of the Faculty with Educational Qualification: Dr.T.Chandrasekar

Designation and Department: **Associate Professor/EEE**

Velammal College of Engineering and Technology, Madurai

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Blog Address:

Educational Qualification

Degree and Year of Passing	Institute	Year of Completion
Ph.D., Electrical Engineering	Anna University, Chennai	July 2019
M.E., Power Systems	Thiagarajar College of Engineering, Madurai	April 2006
B.E., Electrical and Electronics Engineering	Thiagarajar College of Engineering, Madurai	April 1997

Experience in Years: 19 years

Employment History:

Institute	Designation	Period of working	Years / Months
Velammal College of Engineering and Technology, Madurai	Associate Professor	01.04.2020 – Till now	3 Years 6 Months
Velammal College of Engineering and Technology, Madurai	Assistant Professor II	02.07.2012 – 31.03.2020	7 years, 4 months
Velammal College of Engineering and Technology, Madurai	Assistant Professor III	07.06.2010 – 30.06.2012	2 years
National Engineering College, Kovilpatti	Assistant Professor	07.06.2006 – 10.04.2009	2 years,10 months
Arulmigu Kallalakar Polytechnic College	Lecturer	27.11.1997 – 09.09.2003	5 years, 10 months
Total Experience			19 years

Interested Research Areas:

- Basic Electrical and Electronics Engineering
- Electrical Machines
- High Voltage Engineering
- Power System Analysis
- Power System Operation and Control
- Circuit Theory

- Power System Transients
- Power System Protection and switchgear
- Transmission and Distribution

Scholarships and Awards received:

Funded Research Projects:

Patent rights received:

Publications Details:

1. Patent Journal Publication Details:

- Published a patent titled “**System for Artificial Intelligence Based Transceiving Signal in 6G Wireless Communication Network**” in March, 2023

2. International Journal Publication Details:

- Published a paper titled “**Bus tracking using IoT and Prediction logic**”, Volume 4, Issue 06, June 2022 in International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)
- Published a paper titled “**Stress detection by photoplethysmography and context-based recognition**”, Volume 8, Issue 3, March 2021 in International Research Journal of Engineering and Technology (IRJET).
- Published a paper titled “**Footstep Power Generation Platform with Piezoelectric and flooring Mechanism**”, Volume 9, Issue 4, April 2021 in International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE)
- Published a paper titled “**Integrated Security based on ATM robbery Prevention**”, Volume VII, Issue V, May 2020 in International Research Journal of Engineering and Technology (IRJET).
- Published a paper titled “**Smart Transportation System Monitoring using GPS**”, Volume VII, Issue V, May 2020 in International Research Journal of Engineering and Technology (IRJET).
- Published a paper titled “**Optimal Reactive Power Dispatch using SBDE Algorithm**”, Journal of Electrical Engineering, vol.17, Article no:17.1.53, pp. 354-366, ISSN: 1582-4594, 2017 (Impact Factor 1.01).
- Published a paper titled “**An Adaptive Differential Evolution Algorithm for Reactive Power Dispatch**”, Volume I, Issue III, December 2015 in International Journal of Research in Advanced Technology (IJORAT).

3. International Conference Presentation Details:

- Published a paper titled “**Machine Learning Method for Recognizing Human Eye Pupil Region**”, in IEEE Xplore Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS 2023)

- Presented a paper in International Conference Power and Energy Systems- ICPES'17 on “**Power System Loading Margin Enhancement Using Unified Power Flow Controller**” organized by EEE department in Velammal College of Engineering and Technology, Madurai, December 2017.
- Presented a paper in International Conference on “**Modified Differential Evolution Algorithm Based ORPD**” organized by SRI RAAJA RAAJAN college of Engineering and Technology, Karaikudi, January 2015.
- Presented a paper in International Conference on Power and Energy Systems- ICPES'13" on “**Reactive Power Optimization using PSO algorithm**”, organized by EEE department in Velammal College of Engineering and Technology, Madurai, 2013.

4. National Conference Presentation Details:

- Presented a paper titled “**Stress detection by photoplethysmography and context-based recognition**” in National level Virtual conference on recent developments in Electronics and Electrical Engineering, Solaimalai College of Engineering, Madurai
- Presented a paper in National Conference on Recent Advances in Material and Manufacturing Engineering on “**Modelling and Performance Analysis of Micro Turbine Based Distributed Generation**” organized by Production Engineering department of Velammal Engineering College Chennai during March 2013.
- Presented a paper in National Conference on “**Power Scheduling in Hydro Thermal Systems**” organized by PSNA College of Engineering and Technology, Dindugal, April 2006.

Book Publication

S.No	Title	Publication Company	Date of submission	Status
1	Smart Grid	Technical Publications	31.12.2020	Published on March 2021
2	Test and Testabiity	Technical Publications	30.01.2022	Published on March 2022