

Dr.S. Ravichandran M.I.S.T.E, M.I.A.E.N.G
Professor (EEE)
B.E. (EEE), M.E, Ph. D. (Anna University Chennai)



Career Highlights

20+ years of academia teaching (U.G and P.G) experience

Working as Professor in Sreenidhi Institute of Science & Technology, from Feb 2017 to till date.

Worked as Associate Professor in Sri Venkateswara College of ENGINEERING and Technology from Jul 2015 to May 2017. (Role: PG PROGRAMME INCHARGE)

Worked as Associate Professor in Arunai Engineering College from Dec 2011 to May 2015. (Role : HOD / EEE)

Worked as Associate Professor in Kingston Engineering College from Jun 2011 to Nov 2011. (Role :HOD / EEE)

Worked as Associate Professor in C.Abdul Hakeem College of Engineering and Technology from Jun 2010 to May 2011 (Role :HOD / EEE)

Worked as Assistant Professor in Bhajarang Engineering College from Jun 2009 to May 2010 (Role : Department Exam Co-ordinator)

Worked as Assistant Professor in KCG COLLEGE OF TECHNOLOGY from Jun 2003 to May 2009 (Role :Department Sports Co-ordinator)

Worked as Lecturer in Thangavelu Engineering College from Jun 1999 to May 2003 (Role :Department Purchase Co-ordinator)

Papers Published

- 1. Paper titled "A Simple Multilevel Space Vector Modulation Technique and MATLAB System Generator Built FPGA Implementation for Three-Level Neutral-Point Clamped Inverter" in Energies 2019, volume 12 Number 12(22), 4332; <https://doi.org/10.3390/en12224332> Science Indexed Open Access Journal**
- 2. Paper titled "Control Of Upqc Converters Using Sliding Mode Pwm And Fuzzy Logic Based Compensation" in International Journal Of Scientific & Technology Research volume 8, Issue 10, 2019 pp 2022-2032 Scopus Indexed Journal.**
- 3. Paper titled "A Novel Cascaded Nine Level Inverter for Reactive Power Compensation" in Comptes rendus de l'Acad ´emie bulgare des Sciences ISSN 1310–1331 volume 68 Number 10 (2015) pp 1301-1308. Scopus Indexed Journal**
- 4. Paper titled "A Novel Cascaded Nine Level Inverter for Reactive Power Compensation" in Comptes rendus de l'Acad ´emie bulgare**

Research Interests

Power Quality,
Renewable
Energy systems,
Power Electronic
Applications to
power systems
FACTS

Courses Taught

Power system
Analysis

Electrical Circuits

Renewable Energy
Systems

Restructure of
Electrical power
systems

Transmission and
Distribution

Computer Methods
in Power systems

Embedded Systems
Design.

Control Systems

des Sciences ISSN 1310–1331 volume 68 Number 10 (2015) pp 1301-1308. Scopus Indexed Journal.

5. *Paper titled "Power Quality Improvement In Wind – Solar Hybrid System Using Solid State Transformer" in International Journal of Energy Technology and Policy ISSN 1472-8923 Volume 11, Number 3 (2015) pp. 265-273. Scopus Indexed Journal.*
6. *Paper titled "Performance Evaluation Of Photovoltaic Grid Connected Shunt Active Power Filter" in International Journal of Energy Technology and Policy ISSN 1472-8923 Volume 11, Number 4 (2015) pp. 380-386. Scopus Indexed Journal.*
7. *Published a paper entitled "A Survey On Control Strategies For Shunt Active Power Filter For Reactive Power Compensation" in International Journal of Applied Engineering Research ISSN 0973-4562, Volume 10, Number 1 (2015) pp. 1243-1252. Scopus Indexed Journal.*
8. *Published a paper entitled Modular Cascaded Multilevel PV Inverter Using Distributed MPPT by ANFIS Controller for Grid-Connected Applications in International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653, Volume 4 Issue VI, June 2016.*
9. *Published a paper entitled "Image Defogging Based on Contrast Enhancement and Turbulence Mitigation" in International Journal on Applications in Electrical and Electronics Engineering, Volume 1: Issue 2: February 2015, pp 1-5.*
10. *Published a paper entitled "A Novel Three Phase Five Level Voltage Source Inverter for Shunt Active Power Filter" in Archives Des Sciences Journal, Volume. 66, Issue. 4.*
11. *Published a paper entitled "Investigation of a Three Phase Five Level Voltage Source Inverter with reduced switch for Shunt Active Power Filter" in Archives Des Sciences Journal, Volume. 66, Issue. 5*

Education

Ph.D. – Faculty of Electrical Engineering Anna University Dec 2017.

Doctoral Dissertation – PERFORMANCE EVALUATION ON SHUNT ACTIVE POWER FILTER FOR POWER QUALITY IMPROVEMENT.

M.E. – Power Systems Engineering Anna University May 2005, CGPA 7.0

Master Thesis – A fuzzy Logic Based Power System Stabilizer.

Bachelor of Engineering in Electrical and Electronics Engineering, AEC ,University of Madras, India 1999.