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COLLEGE OF ENGINEERING
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Department of Electrical and Electronics Engineering

Name : Dr.P.Narasimman	
Designation:	Associate Professor
Qualification:	B.Tech, M.E, Ph.D
Area of Specialization:	Multilevel inverter, Electromagnetic compatibility
Experience:	Teaching: 13 Years 6 Months
	Industry: 1 Year 6 Months
No. of workshop / Conferences / FDP attended :	56
No. of workshop / Conferences / FDP organized :	24
Publication :	Journal National: - NIL International: 19
	Conference National: 06 International: 12
Membership :	• Institute of Electrical and Electronics Engineers (IEEE) • The Indian Society for Technical Education (ISTE) • International Society for Research and Development (ISRD) • Institute For Engineering Research and Publication (IFERP) • Computer Science Teachers Association (CSTA) • International Association of Engineers (IAENG)

Patent Granted:

1. "Safety Indicators for Vehicles" – Innovation Patent by Indian Government (IPI), Application No:202341053121, Patent No: 519150.
2. "A System Monitoring for Harvesting of Farming Using Drone Technology" – Innovation Patent by Australian Government (AusPat), Application No: 2020101843, Granted on 09.09.2020 & Published on 24.09.2020.
3. "A System and Method of Representing Health Data" – Innovation Patent by Australian Government (AusPat), Application No: 2020100445, Granted on 15.04.2020 & Published on 30.04.2020.

Patent Published:

1. "Apparatus and Method for an Electrical Switching" – Innovation Patent by Indian Government (IPI), Application No:202111027107, Published on 16.07.2021.
2. "Electricity Conserving System and Method Thereof" – Innovation Patent by Indian Government (IPI), Application No:202141036845, Published on 24.09.2021.

Book Chapter Publication:

1. Contributed a Chapter in the book entitled "Machine Learning & Applications" with ISBN: 978-93-86923-47-9 by Dipti Press OPC Pvt. Ltd, Chennai, Tamil Nadu, India.

Journal Publication:

1. "Study of PD Signatures in Transformer using Impulse Voltage by Holo Hilbert Spectral Analysis" in **IEEE Transactions on Instrumentation & Measurement**, Volume:72, 2023.
2. "A Review on Partial Discharge Diagnosis in Cables: Theory, Techniques and Trends"- **Published in Measurement**, Volume 216, July 2023, 112882. **(SCI)**
3. "A New Design Hybrid Cascaded Multilevel Inverter for AC-DC-AC Conversion"- Published in International Journal of Innovative Technology and Exploring Engineering, Vol.9, Issue:4, Pages: 92 - 696. (2020)
4. "Comparison and Mitigation of Harmonics Using Different Optimization Techniques for SHE-PWM of Single-Phase Novel Symmetrical Multilevel Inverter" - Published in Journal of Electrical Engineering, Vol.19, Pages: 478-485. (2019) **(Anna University Annexure)**
5. "Dynamic Load Scheduling for BESSs using MILP Algorithm" - Published in SEEE Digibook on Engineering & Technology, Vol. 01, Pages: 78-82, (May 2018)
6. "A GPS Based Novel Bull Tracking System for Jallikattu" – Published in IJARBEST, Vol.4, Issue:4, Pages: 08-13. (2018)
7. "An Automated Weed Expropriation System for Agriculture" - Published in IJARBEST, Vol.4, Issue: 4, Pages: 14-19. (2018)
8. "Design and Implementation of Five Level Multilevel Inverter Fed Motor Drive" - Published in IJARBEST, Vol.3, Issue:11, Pages: 12-18. (2017)
9. "FPGA based Interleaved Bidirectional Converter for Electric Vehicle" - Published in IJARTET, Vol.4, Special Issue: 11, Pages: 404-407. (2017)

10. "Design and Comparison of Controller for the Reduction of Conducted Electromagnetic Interference in an Inverter" - Published in Emerging Technology Trends in Circuits and Systems, Vol.7, No.7 Pages:1167-1176. (2016) **(Anna University Annexure)**
11. "Monitoring Small Off-Grid Wind Turbine Instrumentation System Using Microcontroller and LabVIEW" - Published in Journal of Information, Knowledge and Research in Electrical Engineering, Vol. 04, Issue:01, Pages: 623 – 629. (2016)
12. "Design and Implementation of Renewable Energy Fed L-Z-Source Inverter" - Published in Journal of Information, Knowledge and Research in Electrical Engineering, Vol. 04, Issue: 01, Pages: 605 – 613. (2016)
13. "Reduction of Conducted Electromagnetic Interference in Constant Current/Constant Voltage Battery Charger Using Fuzzy Logic Controller" - Published in International Journal of Applied Engineering Research, Vol.10, Issue: 20, Pages: 18922 –18927. (2015) **(SCOPUS)**
14. "Reduction of Conducted EMI in Buck-Boost Converter Using Fuzzy Logic Controller" Published in International Journal of Applied Engineering Research, Vol: 10, Issue:76, Pages: 307 - 312. (2015). **(SCOPUS)**
15. "Comparative Analysis of Harmonic Elimination in PV Based Multilevel Inverter Using Ant Colony and Bee Algorithms" - Published in International Journal of Applied Engineering Research, Vol: 10, Issue: 76, Pages: 301-306. (2015) **(SCOPUS)**
16. "Performance Analysis of Improved Double Flying Capacitor Multicell Converter"- Published in International Journal of Emerging Technology and Advanced Engineering Vol: 3 Issue:7, Pages: 508 - 514. (2013).

Reviewer in Journals:

- ◆ IET Electric Power Applications (WOS Journal)
- ◆ Measurement and Control (WOS Journal)
- ◆ International Journal of Engineering Research & Technology
- ◆ Journal of Engineering Research and Reports
- ◆ International Journal of Electrical Power & Energy Systems (WOS Journal)
- ◆ Measurement (WOS Journal)

Academic Follow up:

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Google Scholar : <https://scholar.google.com/citations?user=S4lf1xgAAAAJ>