




Faculty Profile

Name	:	Dr.P.Soundar Rajan					
Date of Birth	:	15.07.1982					
Highest Qualification	:	Ph.D					
Date of Joining	:	20.07.2023					
Designation	:	Associate Professor					
Date of promotion (Present Designation)	:	-					
Area of Interest	:	High Voltage Engineering, Solar Energy Systems Industrial Automation, Internet of Things					
Mobile No	:	9942140222	Email ID	:	Soundarrajan.p@trp.srmtrichy.edu.in		
Experience	:	Teaching :	18 Y 10	Industry :	-	Research :	11
Address (for Communication)	:	51A, Arumugam Servai Street, YMR Patty, Dindigul-624001					

Association with Professional Bodies

Name (ProfessionalBody)	ISTE
Type of Membership and No.:	Life Member

Research Ph. D Guidance

Supervisor / Guide ship No. :	University :	No. of Scholars :
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Publication*

International Journals	:	14	National Journals	:	-
International Conference	:	07	National Conference	:	02

Project Grants (Research projects guided or undertaken/ Sponsored Projects)

Received (Amount)	:	Applied (Amount)	:
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Patent

Published	:	03	Granted	:	01
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Books

Published	:	Nil
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FDPs / STTPs / Workshops / Seminars etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended :	08	Attended :	02	Attended :	06	Attended :	03	Attended :	02
Organized :	02	Organized :	01	Organized :	05	Organized :	05	Organized :	08

Online courses (NPTEL, MOOC etc.)	04
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***List of Publications :**

13. 2023 **Development of PV Based Nine Switch Three Phase Cascaded Multilevel Inverter for**
Jasmine E,M.ArulPrasanna,**P.SoundarRajan**
MuktShabd Journal, Volume--12|Issue-5|1749-1758.
12. 2023 **A single phase solar powered thirteen level transformer less inverter for photovoltaic**
Sharmiladevi,**P.SoundarRajan**,M.ArulPrasanna
MuktShabd Journal, Volume--12|Issue-5|1741-1748.
11. 2022 **Hydrogen Production from Solar Tracker with MPPT Technique in Seawater Electrolysis**
Soundar Rajan, Moshe Dayan
NCERC International Journal of Advanced Science, Engineering and Technology
Volume – 1 | Issue – 1 | PP. 50-65.
10. 2020 **A Switched Capacitor Single Source Step-Up Multilevel Inverter**
M.ArulPrasanna,**P. Soundar Rajan**,I. Gerald Christopher Raj,K. DhayalaSundaram
Test Engineering and Management
Volume - 82 | PP. 10681 – 10689.
9. 2019 **A Study and Hardware Implementation of Enhanced Isolated Boost DC-DC Converter with**
Reduced Number of Switches
I. Gerald Christopher Raj, **P. Soundar Rajan**, G. Praveen Raj, J. Anjel
International Journal of Innovative Technology and Exploring Engineering (IJITEE)
Volume - 8 | Issue - 5S | PP. 532-536.
8. 2019 **Energy Storage In Battery for Remote Area Using Wind DFIG Generation**
Arul Prasanna M,**Soundar Rajan P**, Praveenraj G
International Journal of Advances In Signal And Image Sciences
Volume-5 | Issue-1 | PP. 22-28
7. 2018 **Performance Comparison of Eleven Level and Fifteen Level Inverter With Minimum Number of**
Switches
P.SoundarRajan, Dr.S.Manoharan, G.Praveenraj
International Journal of Pure and Applied Mathematics
Volume -118 | Issue-11 | PP.179-186
6. 2017 **A New Control Strategy for Cascaded Multilevel Inverter with Reduced Number of Switches**
P.SoundarRajan, Dr.S.Manoharan, Dr.I.Gerald Christopher Raj
Advances in natural and applied sciences.
Volume - 11 | Issue- 3 | PP.199-210
5. 2017 **Analysis on Power Quality Issues of VSI with an Improved Modulation Strategy**
P.SoundarRajan, Dr.S.Manoharan, Dr.I.Gerald Christopher Raj, G.Praveenraj
International journal of control theory and application
Volume 10 | Issue-2 | PP.241-251
4. 2017 **An Improved Switching Topology for Single Phase Multilevel Inverter with Capacitor**
Balancing Technique
P.SoundarRajan, Dr.S.Manoharan, Dr.I.Gerald Christopher Raj, Dr.M.Kaliyamoorthi
Journal of Power Electronics
Volume 17 | Issue- 1 | PP.115-126
3. 2016 **Lab VIEW based Wireless Notice Board**
P.SoundarRajan, Dr.S.Manoharan, Dr.I.Gerald Christopher Raj, M.Selvakumaran
International Journal of Engineering and Applied Sciences (IJEAS)
Volume - 3 | Issue-11 | PP.85-91
2. 2011 **State Space Modelling And Simulation Of CSI Fed Induction Motor Drive System with**
Simplified Program
P.SoundarRajan, I.Gerald Christopher Raj, M.ArulPrasanna, Dr.S.Renuga
Journal of Theoretical and Applied Information Technology
Volume 27 | Issue- 2 | PP.91-98
1. 2011 **An Experimental Study of Pattern Mining Technique to improve the Business Statistics**
P.SoundarRajan, S Megala, M Hemalatha, T Christopher
International Journal of Computer Applications
Volume 34 | Issue-3 | PP.1-5