




Faculty Profile

Name	: Dr. R. Sowmya		
Date of Birth	: 26.02.1994		
Highest Qualification:	Ph.D		
Date of Joining	: 26.07.2023		
Designation	: Assistant Professor		
Date of promotion (Present Designation):	NA		
Area of Interest	Power systems Engineering		
Mobile No	: 9384131377	EmailID : Sowmya.r@trp.srmtrichy.edu.in	
Experience	: Teaching: 3	Industry : NA	Research: 5
Address (for Communication)	52, North street, Thirumalaisamudram Thanjavur,613401		

Association with Professional Bodies

Name(Professional Body)	IEEE faculty member
Type of Membership and No.:	IEEE madras section{97100894}

Research

Ph.D Guidance					
Supervisor /Guideship No.:	NA	University:	NA	No. of Scholars:	NA
Publication*					
International Journals	: 4	National Journals	:	1	
International Conference	: 3	National Conference:		2	
ProjectGrants(Researchprojectsguidedorundertaken/SponsoredProjects)					
Received(Amount)	: Nil	Applied(Amount)	:	Nil	
Patent					
Published	: 9	Granted	:	Nil	

Books

Published	: Nil
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FDPs/STTPs/Workshops/Seminarsetc.,

FDP		STTP		Workshop		Seminar		Others	
Attended:	20	Attended:	2	Attended:	4	Attended:	4	Attended:	
Organized:	1	Organized:		Organized:		Organized:		Organized:	

Onlinecourses(NPTEL,MOOCetc.)	1
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***List of Publications:**

8. **S. Ramachandradurai**, N. Krishnan, G. Sharma, and P. N. Bokoro, "Islanding detection with reduced non-detection zones and restoration by reconfiguration," *Energies*, vol. 16, no. 7, p. 3035, 2023.
7. **S. Ramachandradurai**, N. Krishnan, and N. Prabakaran, "Unintentional passive islanding detection and prevention method with reduced non-detection zones," *Energies*, vol. 15, no. 9, 2022, issn: 1996-1073. doi: 10.3390/en15093038.
6. **S. Ramachandradurai** and N. Krishnan, "Islanding-based reliability enhancement and power loss minimization by network reconfiguration using pso with multiple dgs," *International Transactions on Electrical Energy Systems*, vol. 31, no. 9, e12987, 2021.
5. I. Mariyappan, M. Veluchamy, and **S. Ramachandradurai**, "An efficient implementation of divergence state estimation with biogeography-based optimization (dsebo) framework in fpga-based multiprocessor system," *Arabian Journal for Science and Engineering*, vol. 45, pp. 6649–6660, 2020.
4. R. Vijay and **R. Sowmya**, "Optimal siting of pv-wind-energy storage system integrated micro grid using artificial bee colony optimization technique," *International Journal of Innovative Research in Computer and Communication Engineering*, vol. 80, 2017.
3. **S. Ramachandradurai** and K. Narayanan, "An improved (f&v) based passive islanding detection strategy with reliability evaluation," in *2021 IEEE PES Innovative Smart Grid Technologies Conference-Latin America (ISGT Latin America)*, IEEE, 2021, pp. 1–5.
2. **S. Ramachandradurai et al.**, "A novel islanding detection method with reduced non-detection zones for different distributed generation units," in *2020 International Conference on Smart Grids and Energy Systems (SGES)*, IEEE, 2020, pp. 309–313.
1. S. N. Koundinya, S. Vignesh, **R. Sowmya**, R. G. Ganesan, and K. Narayanan, "Framework for computationally efficient outage detection," in *2019 IEEE Innovative Smart Grid Technologies-Asia (ISGT Asia)*, IEEE, 2019, pp. 3980–3985.