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Designation: Professor

Date of joining: 08/09/1986

Qualification:

1985	B.E. (Electrical Engineering)	REC, Durgapur
1988	M.Tech. (Electrical Engineering)	REC, Durgapur
2004	Ph.D. (Power System)	Jadavpur University, Kolkata

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Specialization:

International Journal papers:

1. "A non-interior point approach to optimum power flow solution," *Electric power systems research* 74 (1), 17-26 2006
2. "Differential evolution Algorithm for solving unit commitment with ramp constraints," pp 771-787, *Electric Power Components and Systems*, 36(2008).
3. "Fuzzy and simulated annealing base dynamic programming for the unit commitment problem", pp 5081-5086, *Expert System with Applications* 36(2009)
4. "Handling inequalities and discrete variables in newton optimal power flow using optimal multiplier and fuzzy based limit enforcement and relaxation technique", pp359-366, *Electrical Power and Energy system* 42(2012).
5. "A new methodology for reliability analysis of interconnected power system by using improved Genetic algorithm", *Trends in Electrical Engineering*, vol 5,2015.
6. "Optimum power flow solution using a non-interior point method" *International Journal of Electrical Power & Energy Systems* 29 (2), 138-146 2007
7. "Adequacy analysis of a wind and diesel based standalone microgrid system" *Global Journal on Advancement in Engineering and Science (GJAES)* 2 (1), 1-5 2016
8. "Measurement and Classification of Power Quality Disturbances Using Wavelet Based Neural Network" *i-Manager's Journal on Power Systems Engineering* 3 (4), 12 2015
9. "Fuzzy based fast dynamic programming solution of unit commitment with ramp constraints" *Expert Systems* 26 (4), 307-319 2009
10. "Measurement and Classification of Power Quality Disturbances Using Wavelet Based Neural Network." *i-Manager's Journal on Power Systems Engineering* 3 (4), 12 2015
11. "Multi-Objective Teaching Learning Based Optimization Technique for Loss Reduction and Fast Voltage Stability Index Minimization," *International Research Journal of Engineering and Technology (IRJET)* Volume: 04 Issue: 04 | Apr -2017
12. "A new methodology for severity analysis of power system network by using Bayesian network." *MAYFEB Journal of Electrical and Electronic Engineering* vol 1, 2016
13. "Teaching Learning based Optimization for Combined Economic Emission Load Dispatch Problem" *IJRSET*, Vol 6, Issue 6, June 2017
14. "Power Management in Microgrid Incorporating Solar Power Availability" *Design Engineering*, ISSN: 0011-9342, Issue: 7, 2021.
15. "A Critical Analysis of Different MPPT Methods Comparison for Photovoltaic System in Microgrid", *Journal of the Maharaja Sayajirao University of Baroda*, ISSN : 0025-0422

International Conference papers:

1. "A binary differential evolution algorithm for transmission and voltage constrained unit commitment", *IEEE conference POWERCON*, NewDelhi, 2008.
2. "Reactive Power Tracing in Deregulated Environment", *International Conference on AEPCECE* 2014.
3. "Power Quality Improvement using DSTATCOM in Simulink" *International Conference on AEPCECE* 2014
4. "Voltage stability analysis using conventional methods." *International Conference on Signal Processing, Communication, Power and Embedded System (SCOPE)*, 2016
5. "Multi objective optimal power flow using particle swarm optimization technique." *International Conference on Signal Processing, Communication, Power and Embedded System (SCOPE)*, 2016