

## **Research Papers Published by Faculty Members**

### **DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

1. Shafali Jain, Tripta Thakur, "Data Envelopment Analysis Applied to State Owned Electric Utilities in India", International Journal on Power System Optimization and Control (IJPSOC), vol 2, no. 1, pp. 1-6, January-June 2010.
2. Shafali Jain, Tripta Thakur, Arun Shandilya, "Cost Benchmarking of Generation utilities using DEA: A case study of India" International Journal of Technology and investment (TI), vol 1. no.2, pp. 229-234, November 2010.
3. Shafali Jain, Tripta Thakur, Arun Shandilya, "A non parametric approach for performance assessment of generation utilities in India", International Journal of Electrical and Communication Engineering for Applied Research (IJECEAR), vol 1, no.1, pp.1-7, November 2010.
4. Shafali Jain, Tripta Thakur, Arun Shandilya, "A parametric and non-parametric Approach for performance appraisal of Indian power generating companies", International Journal of Advanced Engineering Sciences and Technologies (IAEST), vol 1, no.2 , pp. 4-78, 2010.
5. Shafali Jain, Tripta Thakur, "Efficiency Assessment of State Owned Electricity Generation Companies in India Using Data Envelopment Analysis", International Journal on Emerging Technologies (IJET).
6. Roshni Singh, Dr. Shafali Jain High Efficient Module of Switch Inductor Boost Converter in PV Module, International conference on Interdisciplinary Research, Management, Pharmacy & Science, SIRT, Bhopal, 20-23 Feb 2014
7. Neetesh Soni, Dr. Shafali Jain, Distribution Power System Automation with PLC and SCADA, International conference on Interdisciplinary Research, Management, Pharmacy & Science, SIRT, Bhopal, 20-23 Feb 2014
8. Aditya Bhatt, Dr. Shafali Jain, Shunt and series compensation of Transmission line, International conference on Interdisciplinary Research, Management, Pharmacy & Science, SIRT, Bhopal, 20-23 Feb 2014
9. Umang S. Trivedi, Dr. Shafali Jain, Magneto Hydrodynamic Power Generation Technology, International conference on Interdisciplinary Research, Management, Pharmacy & Science, SIRT, Bhopal, 20-23 Feb 2014
10. Shafali Jain, "Efficient Heat Rate Benchgmarks for Indian Termal Power Plants", 28th M.P.Young Scientist Congress, MPCST, Bhopal
11. Shafali Jain, Anil Agrawal, "GIS based Energy Monitoring", Geomatrix' 2, an International conference on geospatial technologies and applications, IIT Bombay, February, 2012
12. Tripta Thakur, Shafali Jain, "Technical Efficiencies for State-owned Electricity Generation companies in India", IEEE Third International Conference on Power systems, Kharagpur, India, December, 2009.
13. Shafali Jain, Tripta Thakur, "Data Envelopment Analysis Applied to State Owned Electric Utilities in India", International Conference on Trends and Advances in Computational Engineering (TRACE) BUIT, Bhopal, 25-26 February, 2010
14. Tripta Thakur, Rakhi Yadav, Shafali Jain, "Performance Evaluation of Electric Transmission Utilities in

India”, International Conference on Electrical Power and Energy Systems”, August 2010

15. Shafali Jain, Tripta Thakur, “The Efficiency of Electricity Generation Sector in India”, National Conference on Advances in Power System & High Voltage engineering, Jabalpur, pp. 84-86, October 2009
16. Seema Saxena, Tripta Thakur, Shafali Jain, “Benchmarking as a management instrument for electric utilities”, National Conference on Advances in Power System & High Voltage engineering, Jabalpur, pp. 31-34, October 2009.
17. Shafali Jain, C.S.Sharma, P.K.Chaturvedi, “Comparative Study and Simulation of Different Types of FACTS Controllers”, National Conference on Advances in Electrical Engg., Gwalior, pp. 338-342, November 2006.
18. Tripta Thakur, Shafali Jain, Seema Saxena, “Energy Security: Various Issues For Indian Electricity Sector”, Jabalpur, 2008.
19. Speed Control of DC Motor by Armature & Field control methods Using MATLAB/ Simulink for Undergraduate Electric Machinery Courses, published in International conference, ICIREMPS 2014
20. Benefits of FACTS Devices in Power System: A Review , ,published in International conference ICIREMPS 2015
21. Development of Hybrid Energy System Using Wind and PV-Solar: A review of Current status, future prospects and their enabling technology, published in International conference ICIREMPS 2017
22. “Review of Full Adder using Reversible Logic”, International Journal of Electronics and Communication Engineering (IJECE), ISSN 2278-9901 Vol. 2, Issue 3, July 2013, 97-102© IASET
23. “Implementation of 16 bit Reversible adder using VHDL”, International Journal of Technological Advancement and Research (IJTAR) (ISSN : 2249-8141).
24. A New approach of Face detection base classification of image databases, published in International conference ICIREMPS 2017
25. A review paper on “Speed control of Three Phase PWM VSI fed induction motor drive” International Conference on Inter-disciplinary Research in Engineering, Management, Pharmacy and Science (ICIREMPS-2k15) Feb’ 2015.
26. A paper on “Analysis and Comparison of three phase vsf fed induction motor drive by using various pulse width modulation techniques” on International Journal of Innovative research & Development (IJIRD), ISSN 2278-0211 and impact factor id 2.68 .
27. A review paper on “Maximum power point tracking using PSO algorithm ” International Conference on Inter-disciplinary Research in Engineering, Management, Pharmacy and Science (ICIREMPS-2K14) Feb’ 2014
28. A resultant paper of “Grid connected PV Hybrid System and power management ”, published in International conference ICIREMPS 2017