

Faculty Profile

Name : Nisha Singh
Designation : Assistant Professor
Qualifications : PhD Pursuing from Delhi Technological University, M.Tech (Power Systems), B.Tech (Electrical Engineering).
Phone : 8860983442
Email : nishasingh@msit.in
Area of Interest : Automatic Generation control, Optimal power flow
Total Teaching Experience : 5 years



Research Publications:

1. Nisha Singh, Yogendra Arya and S. K. Gupta “Optimal power-frequency balance in deregulated thermal, hydro and hydrothermal power systems with AC-DC links” published in **Recent Advances in Electrical & Electronic Engineering**, June 2018. Vol no. 11, ISSN no 23520973.
2. Shilpa Gupta, Narendra Kumar and Nisha Singh, “Restraining Sub Synchronous Resonance with CDRPF-Signal Supported Static Var System” published in an **International Journal, Elsevier**, July 2018. Vol 16 ISSN no. 23524677, impact factor 2.115
3. Nisha Singh, Yogendra Arya, S. K. Gupta, “A Comparative Analysis of AGC of Two-area Hydro-Thermal Power System Interconnected by AC-DC Parallel Link in Restructured Power System”, Proceedings of 2018 2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (**ICPEICES-2018**), DTU, Delhi.
4. Nidhi Gupta, Narendra Kumar and Nisha Singh, “Comparative analysis in PSO tuned AGC strategy of Multi Area Multi-source Power system Incorporating SMES”, Proceedings of 2018 2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (**ICPEICES-12018**), DTU, Delhi.
5. Narendra kumar, Shilpa Gupta, Nisha Singh “A Control Strategy for Subsynchronous Resonance Under Varying Degree of Series Compensation” Proceedings of 2018 2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (**ICPEICES-12018**), DTU, Delhi.
6. “A SSR Damping Strategy for a Power System with varying range of series compensation” the International conference on Recent Advances in Engineering and Technology (**ICRAET**) 2019, International Academy of

Science, Technology, Engineering and Management held in Bangkok Thailand.

7. Narendra Kumar, J.N Rai, Nisha Singh 'SMES based generation control strategy of three-area deregulated power system' 34th Indian engineering congress held at Hyderabad international convention centre, Hyderabad during 27-29,2019.

Other Contributions:

- “Organizing Committee Member” of 2018 2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (**ICPEICES-2018**), DTU.