

Dr. Shweta

Ph.D.

POWER SYSTEMS - MNNIT, Allahabad (2019- 8.75 CGPA)

M.Tech

POWER SYSTEMS - MNNIT, Allahabad. (2014 - 9.22 CGPA)

B.Tech

ELECTRICAL & ELECTRONICS ENGINEERING - BBDNITM, Lucknow (2011 - 79.58 %)

XII (CBSE Board)

ST. ATULANAND CONVENT SCHOOL, VARANASI (2006, 74.4 %)

X (CBSE Board)

SHIVAM SCHOOL, BIHTA, PATNA (2004, 79.4 %)

Work History

Jan 2014 to July 2014, General Electric (Oil & Gas).

6 Months Internship. Engaged in interfacing two different software (PLC & Non –PLC), which are at different platforms.

Jan 2015 to Dec 2015.

1 year teaching experience in MNNIT Allahabad as a Guest Faculty in Electrical Engineering Department.

Aug 2018 to July 2019.

Interest Area

- Application of signal processing techniques in power system;
 - Wide area monitoring.
 - Power system stability.
 - Protection.
- Controls.
- Networks and Systems.

Qualification

- IES written qualified in 2012.
- GATE qualified with 98.23 percentile in 2012.

Computer Skills

- MATLAB & Simulink.
- Excel and Macro.
- Xml

Industrial Training

1. Organization - FEEROZ GANDHI UNCHAHAH THERMAL POWER PLANT (NTPC)
 Project Title - Basic structure of Thermal Power Plant
 Duration - 14/06/2010 to 06/07/2010.

2. Organization - UPPCL (GONDA)
 Project Title - Distribution Substation
 Duration - 6/06/2013 to 06/07/2013.

Academic Projects

Ph.D. - Study of Power System Stability and Protection using Wide Area Signals.

M.Tech - Piloting Control Application Algorithm Independent of Control Platform for Auxiliary Control of Rotating Machine.

Publications

Journals

[1] **Shweta**, Nand Kishor, Kjetil Uhlen, S. R. Mohanty, "Detecting instant of multiple faults on Transmission Line and its types Using Time-Frequency analysis" *IET Generation, Transmission and Distribution*. Vol.13, (22),pp. 5248-5256, 2019.

[2] **Shweta**, Nand Kishor, Kjetil Uhlen and S. R. Mohanty, Identification of coherency and critical generators set in real-time signal, *IET Generation, Transmission & Distribution*, vol. 11, (18), pp. 4456-4464, July 2017.

Conferences

[1] **Shweta**, Nand Kishor, "Time-Frequency based detection of faulted line and fault instant using wide area signals" 6th IEEE International Conference in Electrical, Electronics and Computer Engineering (UPCON), 8 -10 Nov 2019, Aligarh, India.

[2] **Shweta**, Dr. Nand Kishor, Dr. Kjetil Uhlen, Dr. S. R. Mohanty, "Time-varying coherency study using TFC", 2017 12th IEEE PES Power Tech Conference, Manchester, UK.

[3] A.Kumar, Priya Solanki, Dr. Nand Kishor, **Shweta**, "Development of visualization toolbox for monitoring electromechanical oscillations" 2016 7th IEEE Power India International Conference (PIICON), Rajasthan, India.

[4] L. Kumar, N. Kishor, **Shweta**, "Frequency monitoring of forced oscillation in PMU's data from NASPI," 2016 18th Mediterranean Electrotechnical Conference (MELECON), Lemesos, Cyprus, 2016, pp. 1-6.