

Profile: Dr Gulshan Sharma

Gulshan Sharma received his B. Tech degree in Electrical Engineering from Punjab Technical University, Jalandhar, India in 2007; M. Tech in Power Systems Engineering from Jamia Millia Islamia University, New Delhi, India in 2009; and PhD degree in Electrical Engineering from Malaviya National Institute of Technology, Jaipur, India in 2015. He is presently a Senior Lecturer in the Department of Electrical Power Engineering, Durban University of Technology, Durban, South Africa, and serves as Deputy Director, Real Time Power System Studies (RTPSS) Centre at the Department of Electrical Power Engineering. He has over 9 years of teaching and research experience. He was Post-Doctoral research fellow at the Faculty of Engineering, Built Environment and Information Technology, University of Pretoria from 2015 to 2016. He has published a number of research papers in international journals of high repute and has been continuously engaged in guiding research activities at undergraduate and post-graduate levels. His area of interest includes power system operation and control, renewable power generation, FACTS and application of AI techniques to power systems.

Webpage URL: <https://scholar.google.com/citations?user=hzqiD2kAAAAJ&hl=en>

Courses Currently Teaching

Electrical Applications I (EAPP 101), Level 2, B Eng. Program

Instrumentation and Control (INCT 101), Level 2, B Eng. Program

Research and Innovation Focus

His areas of research interest are:

- Power System Operation and Control
- Renewable Power Generation Technologies and Integration to main grid
- Microgrid or Distributed Power Generation
- Application of FACTS and Artificial Intelligent Techniques to Power Systems
- Load Forecasting Strategies including PV as well as wind
- Application of Artificial Intelligent Techniques to Deregulation of Power System
- Battery Management System
- Hybrid Electric Vehicles