

Sana Sardar

Lecturer

Department of Energy engineering technology

Email: sanasardar91@gmail.com.

Academic record:

- Masters of Science in Electrical (Power and Energy) Engineering.
- Bachelor of Science in Electrical (Power) Engineering.

Work experience:

- Lab Manager, department of electrical engineering INU Peshawar.
- Lab Engineer, department of electrical engineering INU Peshawar.
28-09-2015 – Nov 2020.
- Lecturer for B-tech Electrical, INU Peshawar. 28-09-2015 –Nov 2020.
- Lecturer, department of energy engineering technology, UoT Nowshera.
Dec 2020 – Present.

Master research and thesis:

- Impact of Distributed Generation on the Reliability of Local Distribution System.

Research publication:

Conference publications:

- U. Ali and S. Sardar, "Smart distribution system modelling for reliability improvement of ring distribution system," *Global Scientific Journal (GSJ)*, vol. 7, no. 11, pp. 913-920, 2019.
- S. Ahmad, **Sana Sardar**, A.ul Assar, F.wahab karam. "Reliability Analysis of Distribution System using ETAP" *International Journal of Computer Science and Information Security* 15.3 (2017). **(Scopus)**.
- S. Ahmad, **Sana Sardar**, A. ul Assar, B. Noor, "Impact of Distributed Generation on the Reliability of Local Distribution System", *international journal of advanced computer science and applications (IJACSA)*, Jul 2017. **(ISI Indexed)**.
- S. Ahmad, **Sana Sardar**, A. ul Assar, B. Noor, "Analyzing Distributed Generation Impact on the Reliability of Electric Distribution network", *international journal of advanced computer science and applications (IJACSA)*, Oct 2016. **(ISI Indexed)**.

Journal publications:

- **Sana Sardar**, S. Ahmad," Detecting and Minimizing Electricity Theft: A Review ", *Journal of Emerging Trends in Applied Engineering*" (JETAE).vol.1, 2015.

Book Publication

- **Sana Sardar**, SanaUllah Ahmad and Usman Ali "Distributed Generation and Reliability of local distribution system" *Diverse Impacts of Distributed Generation on Distribution System Reliability*. Accepted, ISBN: 978-620-2-06300-5

Workshop and seminars:

- Attended CPD workshop for
 - Renewable energy technologies.
 - Women Engineer as Freelancer (webinar).
Conducted by Pakistan Engineering council (PEC).
- Attended ETAP seminars.
- Attended OBE workshops.

Technical Skills:

1. ETAP
2. Latex
3. Lyx
4. PLC
5. Logical control of EME-unit.
6. MATLAB
7. Programming in C++
8. Engineering drawing and use of AutoCAD
9. Circuit analysis using P Spice
10. Electronic workbench

Research interest:

- Smart grids.
- Renewable technologies.
- Distributed generations (DG).
- Reliability analysis of power systems.

Teaching interest:

Courses related to

- Power & energy system courses.
- Renewable technologies.
- Smart grids.