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Engr. Shakir D. Ahmed (MSc.)

Engineer-II

Interdisciplinary Research Center for Renewable Energy and Power Systems (IRC-REPS)

King Fahd University of Petroleum & Minerals, Saudi Arabia

Executive Summary

An Electrical Engineer with more than 5 years of experience as a researcher, team leader, My research interests are grid integrating with renewable energy sources and stability problems.

Key research activities include as follows:

- ✓ **POWER SYSTEMS, GRID INTEGRATION, and CONTROL SYSTEM**, write proposals and research papers
- ✓ **ENERGY EFFICIENCY**: Performing ASHRE Level -1 and Level-2 energy audits for clients and recommending energy efficiency measures.

Education

- ❑ M.Sc., in Electrical, King Fahd University of petroleum and Minerals, Dhahran, KSA
- ❑ B.Eng., in Electrical, Sudan University of Science and Technology, Khartoum, Sudan

Distinguished Projects

- Energy Audit for Dammam Feed Mill (DFM) Of Arabian Agricultural Services Company (ARASCO).
Role : Task Leader, Sep 2018 – Jan 2020.
- Energy efficiency improvements in mosques, KFUPM (CEEE).
Role: Task Leader, Nov 2019 – ongoing
- Renewable Energy Incubator,
Role: Task leader, Jan 2020 - ongoing

Research Summary

- Two (2) published paper
- Citations : 69
- H- index: 2
- One (1) Book Chapter

Award and Recognitions

- Almarai Award (Team recognition)

Skills and Expertise

- Good experience in using software tools such as MATLAB, Python, HOMER.
- Experience is performing measurements, data logging, data collection and analysis related to energy consumption of a facilities.
- Writing of Project reports, scientific research papers, proposals for clients.
- Hands on experience in using and configuring energy auditing tools from Fluke, eGauge,.