

SHOAIB SHAIKH

PERSONAL INFORMATION:

Date of Birth: 15th Feb, 1995
Nationality: Pakistani
Cell: +92-3462167710.
Designation: Lecturer, Department of Electrical Engineering, MUET, Jamshoro, Sindh
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RESEARCH INTERESTS:

- DC-DC Converters and Controllers
- Smart grids
- Distributed generation.
- Power electronics
- Electrical machines and their control

EMPLOYMENT:

14-March 2018 till Present **Lecturer, Department of Electrical Engineering,**
Mehran University of Engineering and Technology, Jamshoro.

Key Responsibilities Handled

- Conducting lectures and preparing the lectures for undergraduate students.
- Conducting and demonstrating practical, practical journals design/ lab assessment for undergraduate students.
- Collaborate with colleagues to address teaching issues.
- Participating in campus and community events.
- Keeping abreast of developments in Electrical Engineering field by reading current literature and participating in professional conferences.
- Planning, evaluating and revise curricula, course content, and course materials and methods of instruction.
- Researching on different subjects; supervising and co-supervising student research projects and theses groups.

Subjects Taught:

- Electrical Technology
- Power Generation Systems
- Linear Circuit and Network Analysis
- Electrical Machines Design and Maintenance
- Electrical Machine

INTERNSHIPS:

1. June 2015 till July 2015 **Intern, Thermal Power Station, Guddu**

Outcomes

- Efficiently learnt basic power plant engineering and tasks related to power generation using steam.
- Gained knowledge regarding maintenance of alternator, motor and related electric power devices.

2. June 2016 till July 2016 **Intern, Gas Turbine Power Station, Kotri**

Outcomes

- Efficiently learnt basic idea regarding commissioning of electrical machine and instruments in 132kV switchyard.
- Gained firsthand practical knowledge and fundamentals of power generation using Gas turbines.

RESEARCH EXPERIENCE:

Undergraduate Projects Supervised

- PLC based Automatic Generation Control
- Autonomous Demand Side Management based on Load Scheduling and Power Shading Using Smart Grid
- Performance Analysis of Electrical Power System under power frequency dynamics
- Protection of induction motor from single phasing, over-temperature and auto alert system using GSM module

ACADEMIC QUALIFICATION:

M.E (Electrical Power Engineering)

2020

Institute of Information and Communication Technologies,
Mehran University of Engineering & Technology Jamshoro.

Thesis topic. Sliding Mode Controller for Voltage Regulation in DC Micro Grid

B.E (Electrical)

2016

Department of Electrical Engineering
Mehran University of Engineering & Technology Jamshoro.

Thesis topic. PLC Based Demand Side Management

TRAININGS, WORKSHOPS AND SEMINARS:

- Participated in “IEEE Power Day” in February 2013 at MUET Jamshoro
- Participated in “Transcendence Poster Competition” in October 2014 at MUET Jamshoro
- Participated in “Inter Department Poster Competition” in September 2015 at MUET Jamshoro
- Participated in “Inter Department Project Competition” in September 2016 at MUET Jamshoro
- Certification in “Managing Safely”, a course approved and validated by Institution of Occupational Safety and Health.
- Certification in “Scaffolding Safety Training in accordance with OSHA standards 29 CFR 1910.28”
- Certification in “Confined Space Training in accordance with OSHA standards 29 CFR 1910.146”
- Certification in “Hazards Communication Training in accordance with OSHA standards 29 CFR 1910.1200”
- Participated in 05 days “Indigenous training on Faculty Professional Development Program” from 8-12 October 2018.
- Participated in “Emergency First Aid Training” on 18 April 2019 at M.D Seminar Hall, MUET JAMSHORO
- Participated in 03 days “Faculty Boot Camp” from 1-3 August 2019 at USPCAS-W, MUET JAMSHORO.

PROFESSIONAL AFFILIATION:

PEC-Pakistan Engineering Council, Islamabad

(ELECT/58810)

COMPUTER SKILLS:

- PLC LADDER LOGIC PROGRAMMING
- MATLAB
- C++ PROGRAMMING
- MULTISIM

- ELECTRONIC WORKBENCH

RESEARCH PUBLICATION:

1. Khan, Bilal., Shoaib Shaikh., Faheem Shafeeqe., Zain Ali and Atif Ali. "MODULAR MULTILEVEL CONVERTER BASED HVDC TRANSMISSION SYSTEM" in International Journal of Electrical Engineering & Emerging Technology, Vol. 03, No. 02, DEC 2020, pp 34-39
2. Soomar, Arsalan., Shoaib Shaikh, and Awais Ahmed. "PROGRAMMABLE LOGIC CONTROLLER BASED LOAD MANAGEMENT IN 11kV GRID STATION." INTERNATIONAL JOURNAL 5.10 (2020)
3. Shoaib Shaikh., SOOMRO, Aamir., Sahito, Anwar., & Chachar, Ali. (2019). "SLIDING MODE CONTROLLER FOR VOLTAGE REGULATION IN DC MICRO GRID. SINDH UNIVERSITY RESEARCH JOURNAL-SURJ (SCIENCE SERIES), 51(3), 501-506.

LANGUAGES:

- Fluent in English, Urdu and Sindhi.