

## **FAHEEMULLAH SHAIKH**

Lecturer

Department of Electrical Engineering  
Mehran University of Engg. & Technology  
Jamshoro, Sindh, Pakistan  
Mobile: +92-333-7281311

Email: [engrfiheemshaiikh@gmail.com](mailto:engrfiheemshaiikh@gmail.com)

### **i. Areas of Expertise**

Energy Management, Energy Conservation, Power Economics, Renewable Energy, Power Transmission and Distribution

### **ii. Key Qualifications**

I am an Energy development researcher and engineer. I have proficiency in energy management, energy conservation, electrical power distribution and planning, technical surveys. I assist the tasks of proposal writing and project planning.

I have monitored several surveys related to energy and social issues. I have written research reports/assignments and contributed articles on energy development issues. At present I am working as a Lecturer at the Department of Electrical Engineering and contributing in research and field projects undertaken by the Mehran University Centre for Energy and Development (MUCED). I teach different subjects at undergraduate level and actively engage in co-supervising thesis projects.

I am also responsible for coordination and correspondence for Mehran University Centre for Energy & Development MUCED.

### **iii. Projects/Assignments/Reports Accomplished**

- **Residential Energy End Use Consumer Survey:** It was Survey project awarded by Hyderabad Electric Supply Company (HESCO) to Mehran University Centre for Energy and Development. HESCO distributes electric power to almost 1.4 million consumers. It supplies electricity to whole Sindh except Karachi. He played role of core management member. I trained, managed, and supervised the field enumerators and data entry operators. I visited survey field as monitoring team head and worked as Field and Data Entry Monitor. I analyzed the collected data and prepared the draft report.
- **Energy Audit of Mehran University of Engineering & Technology Jamshoro:** I was involved in load calculation of the Buildings and analyzed load consumption patterns. I calculated the financial benefits of reducing the energy bill by using energy conservation and possible retrofitting techniques.
- **Generator Protection and its excitation control using WinCC SCADA system**

- **Reliability of Transmission line**
  - **Fuel Cell Technology**
- iv. **Undergraduate Thesis/Projects Co-Supervised**
- **Fault Analysis of Distribution Transformers of Thatta City:** Final year thesis project co-supervised by me. I visited the field myself with students and collected the data from sub-stations about the faults occurring in the distribution transformers and then collective recommendations were formulated.
  - **Improvement of Transient Stability with SVC using Matlab**
  - **PLC and its Applications in Pakistan**
- v. **Workshops/Seminars attended (Most recent)**
- Demand Side Management
- vi. **Contributed to the writing of the following proposals applied by MUCED:**
- Expression for Interest for Residential Energy End Use Consumer Survey of Hyderabad Electric Supply Company (HESCO).
  - Expression for Interest for Re-Routification/ Customer Census of Hyderabad Electric Supply Company (HESCO).
  - Expression for Interest: Solicitation of Proposals for Performance Contracting under ENERCON Pakistan.
  - Expression for Interest for Registration of Energy Service Companies (ESCOs) for Efficiency of Water Pumping Systems under ENERCON.
  - Expression for Interest for Improving the efficiency of Water Pumping System and Introduction of Renewable Energy for Multiple Use under Alternative Energy Development Board (AEDB).
  - Expression for Interest for Re-Routification/ Customer Census of Faisalabad Electric Supply Company (FESCO).
  - Expression for Interest for Sindh Board of Investment.
  - Expression for Interest for Federal Ministry of Youth Affairs Pakistan.

