

Muhammad Farooq Siddiqui

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Summary

An electrical engineer with sound educational background coupled with strong belief in system excellence. Academically, I am an Electrical Engineering Graduate with a Masters degree in Engineering Management (Energy Management) from NED University of Engineering and Technology, Karachi with strong interpersonal skills and the ability to build strong working relationships across the business.





Areas of Interest

- Energy Efficiency and Management
- Energy Policy
- Power System Analysis and Design
- Power System Protection
- Power Transmission and Distribution



Software Skills

- DIALUX
- ETAP
- Microsoft Office

Academics

Degree	Institution		CGPA/Percentage	Year
Masters in Engineering Management	NED University of Engineering and Technology, Karachi		3.94	2017
Bachelor in Electrical Engineering	NED University of Engineering and Technology, Karachi		3.899	2014
Intermediate	Adamjee Government Science College, Karachi		86.36%	2010
Matriculation	Little Folks Secondary School, Karachi		90.65%	2008

Certifications

Certificate	Institution		Year
Registered Engineer	Pakistan Engineering Council (PEC)		2015
Basic Business Skills	International Finance Corporation (IFC)		2014

Work Experience

1. NED University of Engineering and Technology

DURATION: August 2016 – Onward

CURRENT POSITION: Lecturer, Electrical Engineering Department

- MAJOR COURSES TAUGHT: Electrical Power System Analysis and Electrical Power System Protection

- ADMINISTRATIVE RESPONSIBILITIES: Serving as Class Advisor for final year Electrical Engineering since December 2016 and coordinator for undergraduate activities since Jan 2017



2. K-Electric Private Limited

DURATION: Jun 2015 – July 2016

LAST POSITION HELD: Shift Engineer (Assistant Manager)

- Worked at Sub-Station Maintenance department, responsible for the eradication of faults like bus bar carbonizing, transformer oil leakage, bulk supply metering and installation of new switchgears; at Under Ground Maintenance department, responsible for the testing and jointing of HT, LT and service cables and at the Operations department, responsible for the maintenance of 11kV overhead lines.
- Worked at Pakistan's first Smart Grid project for digitalization and monitoring of Distribution System through SCADA, online real-time monitoring of 11kV feeder lines and fault localization and detection through FCIs and DTUs, to improve the SAIDI index.
- equipment.



3. As an Internee Engineer in Pakistan Steel Mills (Jun 2013):

- Worked at thermal power plant for generation of power using combined cycle, power equipment repair shop for maintenance of rotating machines and transformers and engineering lab.



4. As an Internee Engineer in Pakistan Civil Aviation Authority (Jul 2012):

- Worked at electrical ground station for power distribution.



Publications

1. "A Calculation of the cost and energy savings resulting from the replacement of conventional lighting with led lighting for Karachi, Pakistan" at the **Asian Conference on Energy, Power and Transportation Electrification (ACEPT) 2017** held on 24-26 October 2017 in **Singapore**.
(URL: <http://ieeexplore.ieee.org/document/8168605/>)

Projects

1. **Title:** Digitalization of 11kV feeder lines of Karachi Electric for remote monitoring and operation.
Company: K-Electric **Contractor:** Hexing China/ KBK Pakistan
Role in the Project: Client Project Engineer **Duration:** Aug 2015- July 2016
2. **Title:** Modeling and protection design of Karachi electric (KE) network on ETAP and protection co-ordination for faults at various locations in the power system, university final year project.
Company: K-Electric **Role in the Project:** Group leader
Duration: Jan 2014- Nov 2014

Co-Curricular Activities

- Head of Event Management Team at NED Debating Society for the year 2014
- Participation as an organizer in NED Spring Festival, held on 27-02-2014.
- Deputy Head event management team at IEEE Power and Energy Society, for the year 2013
- Participation in "All Pakistan Inter University Debate for the Allama Iqbal Shield" held at NED University on 14-01-2012.