

# KHALID FAROOQ

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## OBJECTIVE

“Seeking a responsible job with an opportunity for professional challenges, to enhance my professional skills in a dynamic and stable workplace, to use my skills in the best possible way for achieving the company’s goals and to obtain a challenging position in a high quality engineering environment where my resourceful experience and academic skills will add value to organizational operations.

## EXPERIENCE

### WATT N VOLT

*Site Engineer*

Lahore, Pakistan  
April 01 – June 06  
2018

- Learned about “Electrical Installation and Termination” at Frito-Lays Greenfield Project Multan.
- Learned about potato handling and processing through Intake Area, Barrel Washer, Peeler, Slicer, Starch Recovery System, Fryer, Seasoning, Inspection, Weighing, and Packaging.
- Learned about Material Shifting, On Loading, Off Loading and Crain Operation.
- Electrical termination of Transformers, Motors, Circuit Breakers, Flow Meters, Temperature Transmitters, Level Transmitters, Safety Switches, Limit Switches, Flow Switch and Isolators.
- Electrical termination of Fire detection sensor, Fire Detection Camera, Moisture Sensor, Photoelectric Sensor, proximity Sensor, Thermistors, Oil Filtration and Smoke Detection Sensor.
- Learned about JSA, LOTO, General Work Permit, Hot Work Permit, Work at Height, Electrical Hazards and Safety and Scaffolding Erection.
- Understanding and Implementation of Engineering Drawing(P&ID) and Schedules.

## INTERNSHIP

### NATIONAL TRANSMISSION AND DESPATCH COMPANY

*Internee*

A subsidiary of WAPDA consisting of transmission and dispatch system of electrical power in Pakistan.

Lahore, Pakistan  
June 15 - July 29  
2016

- Visited and analyzed different substations and grids.
- Learned about various strategies, protection and planning in different WAPDA offices.
- learned about various grid schemes and their functioning.
- Working Principles of Voltage Transformer, Current Transformer, lighting Arrestors, Power Transformer, isolation Transformer, Auxiliary Transformer, Isolators, Capacitor Bank, Battery Bank and Relay.
- Generation, Transmission and Utilization of electricity.

## EDUCATION

### GOVERNMENT COLLEGE UNIVERSITY

*Bachelor of Engineering*  
B.Sc Electrical Engineering

Lahore, Pakistan  
Nov 2013 – Nov 2017

### GOVERNMENT COLLEGE OF SCIENCE

*Faculty of Science*  
Pre- Engineering

Lahore, Pakistan  
Oct 2010 – Sep 2013

### DAR-UL-ULOOM ISLAMIA BOYS HIGH SCHOOL

*Secondary School Certificate*  
Computer Science

Lahore, Pakistan  
Aug 2008 – Aug 2010

## ACADEMIC PROJECT

### FINAL YEAR PROJECT

#### **An Efficient Wireless Control of Induction Motor**

September 2016 – June 2017

*Saving of power: In this prototype project, we designed it in such a way that one can control the speed 3 phase induction motor in most efficient manner with wireless control and also closed loop topology enhance the efficiency. This project is also protected from any short circuit fault or any other fault. In our project, we implement the soft starter concept.*

### CONTROL SYSTEMS PROJECT

#### **Traffic Signal Control (Semester Project)**

*This project is about developing a new practical traffic light control system which will solve the traffic congestion issue.*

April 2017 - May 2017

*Group management: Assembled and recreated circuit within two weeks with the collaboration of 3 other group members.*

### SEMESTER PROJECTS

- Hexadecimal to 7-segment decoder
- Entry door alarm using e-devices
- Bidirectional visitor counter(Microcontroller)
- Transistor intercom circuit

## HONORS AND AWARDS

#### **Final Year Project Exhibition**

- Got **3<sup>rd</sup> position** in inter-university-level project exhibition competition held in GCU, Lahore (#APEX\_2017)

#### **Prime Minister Merit Based Laptop Scheme**

- Received **merit-based** laptop from Prime Minister Pakistan. (2014)

#### **Energy Save Management AWARD**

- Awarded certificate of participation in “Workshop on Energy Saving” by PEECA and Energy Department Govt. of Punjab.

#### **Cultural Day AWARD**

- Member of winning team of departmental **cultural day** at GCU LHR. (2016)

## ADDITIONALS

- *Interpersonal Skills:* Motivated and team builder, resilient and adaptable
  - *Soft Skills:* AutoCAD Electrical 2017, Microsoft Office, MATLAB, PROTEUS, Multisim.
  - *Certifications:* internee at NTDC, Basic Computer Literacy and MS Office, Workshop on Energy Saving Management
  - *Interests:* Reading newspaper, seeking latest technologies, surfing on web.
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