**NUSRUM MIN ALLAH HUSSAIN**
**Electrical Engineer**
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# Objective

To utilize my expertise in the field of electrical engineering and implement my innovative ideas and creative mind towards the area of specialization.

# Education & Qualifications

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|---|---|
| 2014 – 2018 | **National University of Science and Technology** |
| | Electrical Engineering (BE)  **CGPA:** 3.43 |
| 2016 | **Sungkyunkwan University** |
| | Electrical & Electronics Engineering |
| 2012 – 2014 | **City College of Science and Commerce** |
| | FSC (Pre – Engineering)  **Marks:** 922/1100 |
| 2010 – 2012 | **Noukhez Public High School** |
| | Matric  **Marks:** 829/1050 |

# Work Experience

June, 2017 – June, 2018 **Final Year Project**

FPGA Based Soft Starter for Three Phase Induction Motor

The final project consists of Soft-Starter (Xilinx Spartan 6 Board, rectifier, inverter (driving circuitry having IGBT's)), which is mounted between the 3Phase motor and Power Supply. The Soft Starter are one of the main smooth starting system to reduce starting current and minimize the mechanical stress on the motor structure. This project has a new concept of FPGA based Soft Starter in which parameters of motor are being changed through FPGA program and this gives access to user on system more than the manufacturer. This project is indigenously developed, economical and efficient solution for consumers and industries.

June, 2017 – Aug, 2017 **Internee**
WASA Multan

My duty was to maintain and repair of Electrical Machines including 3-phase motor and generators. I proposed installation of soft-starters to keep asynchronous motors safe from damage and gave suggestion to reduce electricity bills.

July, 2016 – Aug, 2016 **Internee**

**Multan Electric Power Company**

My job was to reduce energy losses in distribution lines, I proposed new distribution plans to save Rs. 2M using software Synergy and Represented 10 years' future plan according to increase in load demand.

## Courses

### Programming for Everybody (Getting Started with Python)

University of Michigan.            USA. (COURSERA)

### Speak English Professionally

Georgia Institute of Technology.          USA. (COURSERA)

### Communication and Presentation Skills

Pakistan Manpower Institute.                    Islamabad, Pakistan

### Computer Courses

Zakariya College of Commerce and Computer Sciences

## Skills

C++, Synergy, GIS, Matlab, Python, Verilog, Vivado, ISE design Suit, Multisim, Microsoft Visual Studio, Microsoft Office.

## Achievements:

NUST merit based Scholarship 2015.
NUST merit based Scholarship 2016.
Korean Government Scholarship 2016.
NUST merit based Scholarship 2017