



FURQAN IQBAL

Address: House No 18, Street No 12, Sector No 1, Naval Colony, Karachi

Cell No: +92-347-2892478

CNIC: 42401-3313028-3

Email: furqaniqbal.25@iiee.edu.pk



OBJECTIVE

My main motivation is to have a deep knowledge on both experimental and numerical methods. I am looking for a challenging position where I can develop my communication skills, enhance my academic experience, and utilize my engineering education.



EXPERIENCE

PSL (Pakistan Synthetic Limited) Karachi, Pakistan

Feb 2018-Present

Electronics Engineer

- Design of electrical single line diagram for DOL and star delta starter.
- Designing of HMI and PLC programming.
- Troubleshooting of electro-pneumatics system.
- Troubleshooting of VFD and ensure its correct functioning.
- Troubleshooting and maintenance of Husky Molding Machine.



EDUCATION

- **B.E in Industrial Electronics Engineering CGPA: 3.871 (1st Position)** Dec 2017
Institute of Industrial Electronics Engineering (IIEE) affiliated with
NED University of Engineering & Technology, Karachi



KNOWLEDGE AREA & SKILLS

- Industrial Automation using PLC and HMI
- Siemens PLC, HMI designing
- Delta PLC, HMI designing
- VFD and its control using Modbus
- 8051, AVR, FPGA, Arduino
- Assembly, C, C++, C#, Verilog programming languages
- Proteus, MATLAB, Multisim
- MS word, MS Power Point



ACTIVITIES & INTERESTS

Reading books and attending engineering related exhibitions and seminars.



PROJECT

Final Year Project

Design and Development of Modbus RTU

In my final year project I designed a Modbus RTU module on AVR microcontroller which communicates with PLC using Modbus RTU as communication standard. The purpose is to convert the data of non-Modbus supported devices to Modbus RTU protocol.

References: Will be furnished upon Request.