**PERSONAL** **INFORMATION** **\_**



**Name**

**Father’s** **Name**

**DOB**

**Marital** **Status**

**Address**

**Mobile**

**E-mail**

**:** **Wajahat** **Mehmood**

**:** **Khalid** **Mehmood**

**:** **27/3/1994**

**:** **Single**

**:** **C/009MohallaRajaganTehsil** **KahutaDistrict** **Rawalpindi**

**:** **+923485046662**

**:** **wajahatjanjua842@gmail.com**

**MOTIVATION**



My Passion is to be the part of reputed organization that provides an atmosphere of mutual growth and benefits, where I can utilize my technical, managerial and communication skills. I am seeker of a position and an opportunity through which I could move in organizational hierarchy with continuous learning and growth.

**PERSONAL** **STATEMENT**



I am energetic & dedicated young man having the ability to work under any kind of condition.

I like to work in challenging environment

I have the ability to prove myself as a dedicated team member.

**EDUCATIONALQUALIFICATION**



**Bahria University Islamabad, Pakistan**

* Bachelor of Electrical Engineering (Electronics), Sep 2013 ~Jun 2017
* **CGPA**: 2.80 / **Percentage:** 70.0

**Major Courses:**

1. Digital Logic Design 2. Basic Electronics 3. Power Electronics 4. Electrical Network Analysis

5. Computer Architecture and Organization 6. Electro-Mechanical System 7. Data Communication

8. Introduction to Power Engineering 9. Linear Integrated Circuit and Applications 10. Linear Control System 11. Industrial Automation12. Microprocessor and Interfacing 13. Digital Signal Processing

14. Instrument and Measurement

**KRL Model College For Boys, Kahuta, Rawalpindi (FBISE)**

* Higher Secondary School Certificate (Pre-Engineering)
* **Percentage:** 72% (2010 ~ 2012)

**KRL Model College For Boys, Kahuta, Rawalpindi (FBISE)**

* Secondary School Certificate (Science Group)
* **Percentage**: 80% (2010)

**EXPERIENCE**

**Mott Macdonald Pakistan** 16-Oct-2017~ 30-Nov-2017

MMP is the consultant at the New International Airport Islamabad. I was working there with Planning department and Electrical Testing department.

**IELTS**



**6.0 bands in IELTS Examination**

**PROJECTS**



**Final Year Academic Project:**

**Title:** Back to Back Converter Design for Variable Speed Wind Generator

**Description:** To stabilize the fluctuating output voltage of wind turbine with help of back to back converters.

**Abstract:** Wind turbine converts mechanical energy into electrical energy by using wind through blades. The output energy produced by wind turbine is not constant because of inherent intermittency in wind speed. The generation from wind turbine is maximum when the wind turbine rotates at synchronous speed. As speed of wind is not constant all the time therefore generation from wind turbine is not constant. Due to variations in wind speed the output voltage produced from wind turbine is not constant and it is variable and changes continuously with speed of wind. This is not in accordance with our design loads because the loads always operate at constant voltage and fixed frequency. We have made and design back to back converter which is capable to regulate and control voltage and frequency.

**Other Projects:**

**Interfacing counter with LCD:** Implementation of 4- bit counter using an 8051 microcontroller and interfacing it on LCD. The code was written in C language using **keil** software. At each step count is displayed in decimal format on LCD.

**Voltage regulator using LM317:** The LM317 is an adjustable 3−terminal positive voltage regulator, and it is capable of providing an output voltage range of 1.2 V to 37 V.

**Battery level indicator using LM 741:** Battery level indicator with very low cost op-amp ic LM 741. The design consists of two op-amp ics in comparator mode which compares battery voltage with reference voltage. Three different level were used which was represented by three leds.

**Water level indicator:** This was simple transistor based water level indicator, which indicates different levels of water in tank. On different levels, different leds were glowing with buzzer.

**Closed loop buck converter using Simulink:** As buck converter output voltage is less than input voltage but output current is greater than input converter. In closed loop process output voltage compared with a reference voltage, then error signal fed into PID controller. Output signal from PID controller goes PWM DC-DC controller.

**AREA** **OF** **INTEREST**

* Control systems
* Measurement and instrumentation
* Computer architecture
* Industrial automation
* Power Electronics

**SKILLS**

**Tools:**

Matlab, Simulink, PSpice, Multisim, Visual studio, Keil. GMWIN, Revit, Primavera

**Languages:**

Object oriented programming using C/C++, Verilog, PLC

**Communication:**

Conversational and good written skills in English and Urdu

**REFERENCES**

* **Will be provided on request.**