

Usama Masood

Electronics Engineer



Nationality: Pakistani

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■ Introduction

Enthusiastic engineering college graduate. Successfully completed several semester projects. Designed a **Plant growth chamber using PLC and Scada (FYP)**. Designed an **Automatic lubrication system for an engine to provide continuous lubrication using PLC**. Configured **HDLC encapsulation on a serial line**. Made a **pick and place robot and a line following Robot**, Designed **AC bridges** as an instrumentation Project. Made a **12*12 hybrid multiplier using fast adder and dual carry save adder technique**. Made other small projects which include **variable power supply, clap switch, FM Demodulator and DC load switching by transistors**. Delivered each project under budget and before deadline.

■ Education

August 2014 - July 2018

University of Engineering and Technology Taxila, Sub Campus Chakwal

Chakwal

BSc Electronics Engineering

CGPA 3.12

Followed my passion in instrumentation and automation coursework. Excelled in programming courses (C++).

Runner up of intra-university robotics competition.

July 22, 2017 - September 10, 2017

SINA Institute of Networks and Aesthetics

Rawalpindi

Certification

Programmable Logic Controller and SCADA

July 2012 - July 2014

Kallar Kahar Science College, Kallar Kahar

Kallar Kahar

FSc Pre Engineering

Passed with A-1 Grade.

July 2009 - July 2011

Global College System

Rawalpindi

SSC (Science Group)

Passed with A-1 Grade

■ Work Experience

June 18th, 2016 - June 30th, 2016

Avionics Production Factory, Pakistan Aeronautical Complex

Kamra, Pakistan

Intern

Worked on an FPGA based project to generate 2ms delay before starting communication

■ Final Year Project

PLC Based Automated Growth Chamber for Natural Plants

Deliverables: Controlled Humidity, Temperature and Light inside a chamber with SCADA Implementation.

PLC Used: Siemens S7-200 with analog module EM-235.

■ Area of Interest

PLC and SCADA
Instrumentation and Control
Programming (C++)
Computer Communication Networks

■ Technical Skills

STEM
Prototyping and Automation
Troubleshooting, Testing and Simulations
Expert in Computer Skills

■ Interpersonal Skills

Leadership and Management

Followed my passion for management by joining most of the University's societies and arranging events. Designated as president of one of the university's society named Electrominds.

Communication and Presentation Skills

Very good in effectively communicating and presenting in front of people. I've prepared and delivered many presentations throughout my engineering degree.

■ Language Skills

English, Urdu, Punjabi

■ References

References will be available on request.