

Hussnain Shahid

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CNIC Number : 33100-4923406-5
Passport Number : TD5154061
Current Status : Job as an Electrical Manager

IELTS : 6.5 (R=6.5, L=6.5, W=6.0, S=6.0)

NTC Number : Eng. Tech/Electronic(s)/00212



JOB Interests:

- Control Panel Design Engineer
- Maintenance Engineer
- PLC Programming Engineer
- Automation Engineer

Academic Qualification:

Master of Sciences in Electronics

Year	University	CGPA	Award
2014 to 2016	PRESTON UNIVERSITY KOHAT, PAKISTAN.	4.00/4.00 1913/2100 91.09 %	1 st Position in all campuses

Bachelor of Technology Honors Electronics

Year	University	CGPA	Award
2008 to 2010	PRESTON UNIVERSITY KOHAT, PAKISTAN.	3.70/4.00 1346/1500 89.73 %	1 st In class

Bachelor of Technology Pass Electronics

Year	University	CGPA	Award
2006 to 2008	PRESTON UNIVERSITY KOHAT, PAKISTAN.	3.60/4.00 1426/1600 89.12 %	1 st In class

Diploma of Associate Engineer in Electronics

Year	Institute	Marks	Award
2003 to 2006	PUNJAB BOARD OF TECHNICAL EDUCATION, LAHORE, PAKISTAN.	2564/3350 76.53 %	1 st Position In Faisalabad district

Professional Qualification:

Python Programming for everybody

Awarding date	Institute
Oct-2022	Coursera. University of Michigan, USA.

C++ & parallel port interfacing

Duration	Institute
Oct-2009 to Nov-2009	LOGIC INN Technical Academy Faisalabad, Punjab, Pakistan.

Microcontroller Embedded System

Duration	Institute
Dec-2009 to Feb-2010	LOGIC INN Technical Academy Faisalabad, Punjab, Pakistan.

Programmable Logic Controller (PLC)

Duration	Institute
Apr-2010 to Jun-2010	LOGIC INN Technical Academy Faisalabad, Punjab, Pakistan.

In house calibration training of Process Instruments

Duration	Institute
Dec 2010 - 03 Days	LINKS-2000, Lahore, Punjab, Pakistan.

Software Skills:

General	Electronics	PLC
Windows 98, XP, 7, 8, 10 MS Office Corel Draw	Electronics Workbench, Proteus Professional, Arduino UNO, MEGA, NANO, Keil, TraxMaker, Atom, Python.	Siemens Simatic S7-200,300, LS (Kglwin, Xp builder), Fatek (Win pro-ladder), Delta Industrial (Wplsoft, Ispsoft, Dopsoft), Mitsubishi GX-Developer, Weintek (Easy Builder)

Hardware Skills:

Skills	Instrumentation	
<ul style="list-style-type: none"> ➤ Can build circuit from schematic on my own. ➤ Can test and verify circuit troubles. ➤ Good experience on logic gates and Transistor, ICs, Zener diodes, diodes etc. ➤ Input devices such as Switch, LDR, Photodiode, Load Cell, and Ultrasonic Sensor. ➤ Output devices such as LED, LCD, Relay, SSR, Triac, SCR. 	Instrument Oscilloscope (Analogue/Digital) Multimeter (Analogue/Digital) Logic Probe Function Generator Signal Generator mA /mV Soldering Station Frequency Counter	Awareness/Use Strong/Handy Strong/Handy Strong/Handy Strong/Rare Strong/Handy Strong/Handy Strong/Handy

Projects:

(described below projects are done by me or done under my supervision and design)

Plastic Drum lock metal ring maker (Completed Successfully)
1mm Metal strip was inserted in machine that pressurizes it to make it curvy and round according to drum cover diameter. Accurate length was required to be cut .So a 1024 pulse resolution encoder was used to measure length in mm. Done by using FATEK PLC and Weintek HMI followed by software winproladder and easy builder respectively.
Ultra Sonic based hand sanitizer dispenser (Completed Successfully)
Spraying technique was used because it spread equally and less waste of sanitizer was observed. Ultra sonic sensor was used for hand detection that initiates a valve for spray. Arduino NANO was used with control circuit.
Optical Sensor development for PYODINE bottle detection (Completed Successfully)
Sensor was made with LED and photo diode. It worked on reflection principle. It can detect bottle from 250mm distance. After successful detection of bottle, a relay initiates a filling system that fills bottles of pyodine.
PLC programming of Brugman Bleaching plant (Completed Successfully)
A bleaching machine made by brugman was re-electrified. This include reprogramming, rewiring. This project is completed by using LS PLC and Weintek HMI.

PLC programming and panel design of Textile Raising Machine (Completed Successfully)

A textile raising machine was developed by Pakistani engineers and they need its automation according to Italian machines. So this project is done using delta PLC and HMI while VFDs are used of INVT brand.

PLC programming and panel designing of tablets Packing Machine and Servo Drive (Completed Successfully)

A machine was developed by local Mechanical Engineer that pack the medicine tablets and capsules. A servo drive is programmed to precisely measure the entered length and cut the packing accordingly.

Award & Achievement:

- Participation as assessor in NAVTEC Industrial exam industrial electronics at provincial level at Govt. College of technology Faisalabad, Punjab, Pakistan.
- Participation in BRUCKNER seminar held at SADAQAT textiles.

Society Work:

- Teaching of a 3-months hand-on training workshop for un-educated industrial electricians on basic electronics.
- Teaching of a 3-months hand-on training workshop for fresh DAE students on basic electronics.

Job Experience: (More Than 8yrs)

Duration	Organization	Designation
Mar2022-Onward	Al-Hamra Fabrics Ltd, Punjab, Pakistan.	Electrical Manager
To plan the maintenance schedule, proceed any follow up of any corrective maintenance that is being done. To record and analyze the energy efficiency of 500kw solar system.		
Nov2020-Mar2022	Shahraj Fabrics Ltd, Punjab, Pakistan.	Elect. and Electronic Manager
To implement the totally productive maintenance, plan and schedule whole year maintenance goals that are achievable. Troubleshooting of latest electronics systems installed on machinery. Especially communication based systems.		
Nov2019-Nov2020	Faisal Fabrics Ltd, Punjab, Pakistan.	Electrical Manager
Erection of new machines as well as maintenance of old machines were carried own according to targets. Team Leader of 40 technicians, repair and maintenance of PLC controlled machines, 5MW turbine maintenance.		
May2016-Nov2019	Magna Processing Industries, Punjab, Pakistan.	Electrical Manager
Complete erection of new water jet looms hall including designing, implementation, target achievements and commissioning. Team Leader of 24 technicians, troubleshooting of 30kw solar system, maintenance of electronics systems.		
Oct2012-Nov2014	Magna Processing Industries, Punjab, Pakistan.	Electronics Engineer
New erection of PLC based machine including panel design, erection and commissioning. PLC Programming of machines, firmware amendments, to carry out repair and maintenance of VFDs, plc and automation.		
Jun2006- Feb 2010	Ahmad International, Punjab, Pakistan.	Electronics Technician (Part Time)
Research assistant, PCB designing, Circuit board repairs, electrical panel board designing, Circuit designing by diagram, motors and drives installations.		

Hobbies:

- Studying new electrical and electronics innovation
- hobby electronics design
- internet browsing
- Gym exercise