Hamza Shoukat Zaman

H. No. 99B Main Road Darul-Islam Colony – Attock (43600) – Punjab, Pakistan

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Education

University of Wah — **Wah Cantt, Pakistan**
Bachelors in Electrical Engineering Technology, Gold Medal, CGPA: 3.62/4.00 — *2014–2018*

Army Public School and College — **Attock**
Higher Secondary School Certificate (HSSC), 1st Division — *2012–2014*

Fazaia Inter College Minhas — **Kamra**
Secondary School Certificate (SSC), 1st Division — *2010–2012*

Skills

Programming: C++, MATLAB

Software: Proteus, AutoCAD.

Hardware: PCB Design.

Miscellaneous: Microsoft Office, Adobe Illustrator, Adobe Photoshop, Corel DRAW.

Projects

Three Phase Transmission Line Fault Detection and Analysis
Senior Design Project
- A system to reduce the outage time due to faults and provide a higher level of service continuity of transmission. Displays fault message on LCD screen.
- Implemented using Microprocessor and analog components.
- Symmetrical and unsymmetrical faults i.e LG temporary/Permanent or LL temporary/Permanent.
- Application includes substation, Transmission lines and industries.

Single phase DOL Starter
Semester Project
- Design DOL Motor starter for protection.
- Design consist of Magnetic contactors(Contactors and Coil), Over load relay(Over load protection) and Push button.
- Applications include to start small water pumps, Compressors, fans, conveyor belts etc.

Fire Alarm using Thermistor
Semester Project
- A device to detect fire at very early stage by sensing smoke and raising an alarm.
- Fire alarms are prime necessity in modern buildings to prevent extensive damage.

Ding Dong bell
Semester Project
- Design consists of magnetic motor that constitutes a conventional electromagnet. The greater the coiling of wire, the higher strength of the magnetic field.
- Used as door bell with some modifications it can be used to produce different sounds.

Basic Model of Hydroelectric Power Station with Turbine
Semester Project

- Design includes flow of water system to rotate the turbine from bottles.
- Water falling on the turbine generates a voltage which can be seen on on the voltmeter. This is the produced electricity of the model hydro power plant system.

Experience

Wah Brass Mills Pvt Ltd. **Wah Cantt**
Trainee *Oct. 2017 – Jun. 2018*
One year of experience training as Electrical Engineer in generating station dealing with SCADA for high level processes with PLC to interface with process plant or machinery.

- Routine monitoring of controller set points handled through scada.
- Coordination with the other workers.
- Ensuring proper safety measures to execute the job.
- Good knowledge in SCADA system, PLC, PID controllers and HMIâĂŹs.

Electrical Engineering training from POFIT. **Wah Cantt**

PLC System, Electrical troubleshooting, Star Delta connections to start motor, relays magnetic contactors and Switches experiments.

Electrical Engineering training from WEC. **Wah Cantt**

Rigorous training practical works on Motor generators and transformers.

Electrical winding training from WBM winding shop **Wah Cantt**

Electrical motors winding, stator winding and armature windings.

Extracurricular

WEC TECHTRONIX 16
Participant *May. 2016*
Certificate of participation in Bridge Building.

CIVIL MANIA 18
Participant
Certicate of participation in Mind Crunch Quiz.

National Solutions Convention
Participant *Apr. 2018*
Certificate of participation in Scavenger hunt held at FAST NU, Islamabad.

PIEAS NATIONAL OYLMPIAD 18
Participant *May. 2018*
Certificate of achievement for the exceptional Performance in Talent Hunt at PionâĂŹ18.

Student Council WEC
Member

- Helped to organize the university events, in which guidance and monitoring was provided to younger students by the seniors.

References

References will be provided on demand.