



Curriculum Vitae

MIPET 11 Class

Name Muhammad
Family Name Saqib

Citizenship Pakistan
Born in Karachi, Pakistan, May 31, 1986

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Email saqibm8691@gmail.com

Background Electrical Engineering

Address Via Edera, 18/10, Genova, Italy



Education

Master in Industrial Plant Engineering & Technologies MIPET 11th Edition, Prof. Agostino G. Bruzzone	Genoa University	2020-Ongoing
B-Tech (Honors) in Electrical Engineering	Preston University.	2014-2016
B-Tech in Electrical Engineering	N.E.D University	2007-2009
Diploma of Associate Engineering in Electronics	Govt. College of Technology	2002-2005



Professional Experiences

Environmental Sources Trading Est. (Service Engineer) 10/03/2016–10/08/2019

Al-Khafji (Saudi Arabia)

- I was handling a project of operation & maintenance of six Air Quality Monitoring Station in **(Saudi Aramco)**
- Responsible to conduct inspections of Air Quality Monitoring Stations
- Maintenance, Calibration of several parameters such as NOx, CO, SO2, H2S, THC, O3, NH3, PM10 and PM2.5, etc.
- Service & Maintenance of Horiba AP360/370 Series, Horiba APDA-371, Grimm Dust Monitor-180, Horiba PG250/350, Horiba VA-3000 Signal Instruments & Aeroqual AQM60.
- Maintenance, Calibration of Lufft & Adolf Thies weather station.
- Working knowledge of Data Communication Service software and report software.
- Installation & commissioning of Air Quality Mobile Lab.
- Fault troubleshooting in Electrical panel and Good knowledge of diagnostics & repair methods for the electrical equipment in petrochemical industries.
- Prepare the monthly Air Quality Monitoring report, Trouble shooting report, Daily/weekly report, Execution plan, Preventive maintenance plan, Inventory of spare part.
- Daily updates, meeting and coordinate with the client
- Knowledge of temperature sensor and pressure sensor, flow sensor, level sensor, photocell and control circuit.
- Familiar with flow schematic diagram, process and instrumentation diagram.
- Testing and repairing of electronic circuit board and AC/DC motor.



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- Knowledge of Wireless data communication system.
- Prepare quotation and proposal as per the client requirement.

Labomatic, Dammam-Saudi Arabia

Service Engineer

12/10/2010–06/01/2014

- Design & Maintenance and calibration all Analytical Equipment's control logic and
- Loop Schematics for equipment and field instruments.
- Commissioning Trouble shooting & Calibration of AQM HORIBA, Teledyne, Signal, Aeroqual AQM- 60, Met one, Sabio Analyzer and Meteorological Sensor.
- Installation Calibration and maintenance of Laboratory equipment: (HPLC, GC, Atomic Absorption Spectrometer, X-Ray photoelectron Spectroscopy, Molecular Beam Epitaxy, XRF, XRD, Fermentation & bio reactor, Autoclave, Microscope, UV Chamber, Environmental Chamber, Microwave Digestion System, Incubator, Furnace, pH Meter, Balance, Biological Safety Cabinet, Hot Plate, Centrifuge, commissioning with the control software.
- Attending instruments breakdown calls .Hardware repair, Trouble shooting and calibration of Instruments. Running QC samples.
- Fault trouble shooting of electrical panel, Controlling, PLC base machinery, Pneumatic and hydraulic system, AC & DC motor, transformer, compressor, switch gear, All type of sensor and proximity switch, able to read electrical and electronic circuit diagrams, electrical wiring etc.
- Installation and Commissioning of CNC Water jet, Rolling Mills, Hydraulic press, Monitor Impact Tester, Lath Machine
- Read blueprints, diagrams and schematic drawings to determine work procedures
- Install, align, take apart and move stationary industrial machinery and mechanical equipment, such as pumps, fans, tanks, conveyors, furnaces and generators according to layout plans using hand and power tools
- Operate hoisting and lifting devices, such as Trolley, jacks and fork lift, to position machinery and parts during the installation, set-up and repair of machinery
- Inspect and examine machinery and equipment to detect and find irregularities and malfunctions
- Knowledge of hydraulic and pneumatic systems, and programmable logic controls
- Adjust machinery and repair or replace defective parts
- Operate machine tools, such as lathes and grinders, to fabricate parts required during overhaul, maintenance or set-up of machinery
- Clean, lubricate and perform other routine maintenance work on machinery

Good Luck Textile Mill, Karachi (Pakistan)

Junior Electrical Officer

09/05/2009–05/10/2010

- Fault trouble shooting of PLC base Spinning, Ring, Drawing and carding machinery, pneumatic system, PLC & Inverter, Module, Ac & Dc drives, HMI, SCADA system, Sensors, Switch gears, Temperature controller, Temperature & Pressure Sensor, Heater, power transformer, starter, Power supplies, CT, protection system of machineries, Service & maintenance.
- Working experience on SCADA system, HMI and PLC Programming.
- Able to read electrical and electronic circuit diagrams.

**Afroze Textile Towel, Senior Technicians (Elect & Electronics Dept) 01/08/2007–25/04/2009
Karachi (Pakistan)**

- Installation and erection of PLC base Toyota Air jet Loom.
- Fault trouble shooting of programmable machinery, Cargo lift, overhead cleaner beam trolley, Service & Maintenance of machinery.
- Testing of 3ph, single phase AC & DC Motor, Switch Gears, Transformer, Compressor, power distribution controlling panel, protection relays.
- Preparation of Grounding/Earthing.
- Installation of Cable tray and HV Cabling testing and commissioning.
- Taking care of all Controlling panel, Electrical panel and LT room.

**Paramount Pakistan,
Karachi (Pakistan)**

Service Engineer

08/03/2006–20/06/2007

- Installation and erecting of textile laboratory equipment
- Attending instruments breakdown calls. Hardware repair, Trouble shooting and calibration of Instruments. Running QC samples.
- PCB Designing, Power supplies and soldering practice.
- Knowledge of electronic component, IC logic and its working principles.
- Service and maintenance of lab equipment (Single yam, lee strength tester, Fibro graph, Twist tester, Wrapping reel, Evenness tester, Trash separator,)



Professional Skills

- Strong trouble shooting and problem solving skills.
- A fast learner able to understand and quick concept quickly.
- A team player and leader capable of integrated with and developing effective working.
- To determine the fault by using testing equipment such as voltmeters, ammeters, ohmmeters, meggar, meter shunts, clamp-on instruments, and volt-ohmmeters
- Installation, commission and optimize of Wireless communication, Analytical instrument, Electrical system and Heavy equipment
- Troubleshoot on Electrical, Electronic and Mechanical machinery/equipment, Analytical skills and Electrical wiring.
- Able to understand electrical, electronic and mechanical diagram.
- Interest in building and repairing a variety of mechanical systems
- Knowledge of computerized machinery
- Ability to read blueprints and technical specifications
- Ability to work at heights or in cramped spaces Safety awareness and a responsible work attitude

Software Skills, MultiSim, DCS (Data Communication Software), IOVIS (Air Pollution Monitoring Software)
General Software: Ms.Office, Web Application, etc.





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Languages

English
Italian
Arabic
Urdu
Hindi

Fluent
Beginner
Intermediate
Fluent
Fluent



Other Experiences

Certifications: Advance Training in Air Quality Monitoring Station from Horiba Germany

- Air pollution Monitoring Equipment AP-360 and AP-370 series
- Portable Stack Gas Analyzer PG-250/PG-350E
- Process Gas Analyzer VA-3000

Certifications: Field Instrumentation (Oil and Gas)

- Pressure, Level, Flow, Temperature & heat, Control valve & PSVs, Signal Conditioning, Process Control, Documentation and Symbols.

Certifications: Industrial Automation & process control

Certifications: Management of international health & safety-International general certificate of health & safety.

Internship: Trainee Electrical Engineer

Karachi Shipyard & Engineering Works Ltd

- Working experience on varies type of Ship such as Frigate, STUS (Small Tanker Utility Ship), vessels, Fuel Tanker ship.
- Installs, repairs, or replaces AC/DC motors and drives, transformers, motors, starters, relays, and hydraulic and gas electrical control
- Excellent expertise in shipboard electrical systems including transformers distribution panels switchgear and rotating electrical equipment



Other Interests

I Love to travel on customer site for installation & maintenance of equipment.
Provides operational & maintenance training to the client.



Hereby, I authorize the processing of my personal data, video, pictures pursuant to art. 13 of Legislative Decree 196 of 30 June 2003 and of art. 13 GDPR (EU Regulation 2016/679) for the purpose of personnel search and selection as well as for Scientific and Academic Activities.

Date: Genoa, 12 May, 2020

Signature