

MUHAMMAD ASAAD ZAHEER TANOLI (Mechanical Engineer)

PERSONAL DETAILS

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OBJECTIVE

To enhance my technical as well as managerial skills in a reputable and growth oriented organization, which provides constant personal development. I aim to make a difference in the organization with all the talent that I have and the opportunity being offered.

ACADEMICS

BSc Mechanical Engineering [2010-14]

University of Engineering & Technology, Peshawar KPK
CGPA 3.22 out of 4, 1st Division

Higher Secondary School Certificate (H.S.C) [2007-2009]

Board of intermediate and Secondary Education (BISE) Abbottabad
A-1 Grade (83%) 1st Division

Secondary School Certificate (S.S.C) [2006-2007]

Board of intermediate and Secondary Education (BISE) Abbottabad
A-1 Grade (85%) 1st Division

WORK EXPERIENCE (Pakistan Steel Mills Karachi)

Trainee Mechanical Engineer from Aug-2015 – Aug-2017

Job Description:

- Preventive Maintenance, Inspection plans and Lubrication activities.
- Manage and Supervise/Scheduled shutdown maintenance projects.
- Rotary & static mechanical equipment, Hydraulic Systems maintenance and troubleshooting.
- Maintenance of pumps, submersible pumps, vane pump, compressor, heat exchangers, valves, conveyor belts, confined spaces (i.e. decanters, waste water tanks, coal tar storage tanks).
- Writing reports and documentation, implementing designs and test procedures and implementation of HSE standard practices.
- Preparation of work orders, managing stocks/Inventory, work distribution and manpower handling.

TECHNICAL/ PROFESSIONAL SOFTWARES:

- **Design Tools:** AutoCAD, Pro-E, CNC Simulator, MATLAB
- **Documentation Tools:** MS Office, Acrobat reader/writer, Nitro PDF
- **Planning/Scheduling Tool:** MS Project, Primavera P6

PROFESSIONAL MEMBERSHIPS

- Pakistan Engineering Council (PEC) No. MECH/28445
- PEC Supervisory License holder 2016.
- Member of American Society of Mechanical Engineering (ASME) UET PESHAWAR.
- Member of American Society of Heating, Refrigeration Air-conditioning Engineers (ASHRAE) UET PESHAWAR.
- Member of Society of Automotive Engineers (SAE) UET PESHAWAR.

INTERNSHIPS

- **Telephone Industries of Pakistan (TIP) Haripur (July- Aug 2013)**
 - ✓ Working on Lath Machines, Drilling Machines, CNC Machines.
 - ✓ Heat Treatment Processes.
- **Hazara Phosphate Fertilizers Pvt. Ltd. Haripur (Aug-Sept 2013)**
 - ✓ Understanding the Process of fertilizer plant(Super Phosphate and Sulfuric Acid Plant)
 - ✓ Mechanical Maintenance of different mechanical equipment i.e. crushing mill, gears, Valves, pumps, conveyor belts.
- **HVAC Plant in KTH Hospital, Peshawar (March- May 2014)**
 - ✓ Understanding of HVAC operations.
 - ✓ Maintenance of Components of HVAC system i.e. Pumps, Chillers, Valves, Heat exchangers.

TRAININGS / SEMINARS / COURSES

- Fundamentals of Manufacturing Processes, Injection molding online Course by EDx (MITx: 2.008x) 2017.
- Industrial health & Safety Training at PSM Karachi 2016
- Communication & Presentation Skills Training by **Schlumberger Pakistan** (Mar-2013).
- Professional Development Conference organized by **ASME** (Feb-2013).
- World Space Week “Space for human safety & Security” by SUPARCO at UET Peshawar (Oct 2011 & Oct 2013).

FINAL YEAR PROJECT

“Production of Synthetic gas from wood smoke for power generation 2013-14”

- A wood gas generator/wood Gasifier is designed and fabricated which is used to recover the burnable gases present in smoke.
- Project consists of 4 main units i.e. Combustion Chamber, Cooling Unit, Filter Unit, Suction unit.
- Wood is burnt in combustion chamber and unburnt gases are blown by means of a gas blower (suction unit) and passed through the cooling and filter unit where gases are cooled and filtered respectively.
- Waste combustible gases are recovered from wood smoke.
- Smoke analysis.
- The recovered gases known as syne gas or synthetic gas can be used for power generation as well as in homes for cooking & heating purposes.

Other Projects:

- Prototype model of ignition system of petrol engine (Thermodynamics)
- Metallurgical Analysis of steel specimen (Engineering Metallurgy)
- Traffic Control System (Mechatronics)

INTERPERSONAL SKILLS

- Quick Learner
- Intelligent/Hard Working
- Problem solving skills
- Can work under pressure
- Team Player

REFERENCE

Will be furnished on demand.