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| C:\Users\Administrator\Desktop\afzaal\Untitled..png | **AFZAAL** **Total Experience: 3 Year in Oil and Gas Sector****Qualification:** **B.Sc. Chemical Engineering****Position: Process/Production Engineer (Oil & Gas)****Mobile No:** **+971501685421****Email:** **afzaal.345158@2freemail.com****Marital Status:** **Single****Date of Birth:**  **21st April, 1991** |
| **OBJECTIVE** | To work with such a prestigious organization that provides an opportunity in utilizing my skills& experience (as a Chemical Engineer) to facilitate the academic, social and individual growth of such organization as well as myself |
| ***PROFESSIONAL EXPERIENCE*** | **Currently working as Process Engineer in Attock Oil Refinery From the last 03 Years****Duties Performed:*** Monitoring & evaluation of the process parameter to **maximize yield**, meet production plans & plant reliability.
* Process Troubleshooting & abnormalities/emergency handling.
* Implementation and follow up of HSE regulations (Work to Permit System, **HAZARD Identification**, Incidents Notification, **HAZOP & RCM** etc.
* Develop & review Process Flow Diagrams **(PFD’s) & P&ID’s** and Heat and Material Balances
* Develop SOP’s for different operations and equipments worked for safety audit and made audit report and part of **commissioning team for Sulfur recovery, Amine treating and Sour water stripper**
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| **KEY SKILLS AND COMPETENCIES** | * Smooth and safe operations of the plant, ensuring quality of products.
* Moves controls and turns valves to start compressor engines, pumps, and auxiliary equipment.
* Record keeping of equipment’s that requires special attention regarding operation and maintenance of pumps, compressors, heaters & heat exchangers.
* Reporting & rectification problems in case of deviation from normal conditions.
* **Preventative/Predictive maintenance**, planning, scheduling and reporting of jobs.
* Able to mentor co-workers and junior colleagues.
* Ensure HSE and **PTW (Permit to Work)** systems are followed before starting a job, ensure proper use of tools and PPE, advice co-workers on potential hazards, check safety equipment, notify management of unsafe working conditions, report HSE incidents, and actively participate in HSE tool box talks.
* Understanding of **PFD's, and PID's**.
* Handing over & taking over the jobs safely.
* Safe **start-up, shut-down**, and **emergency handling** and **Attended Annual turnaround** of Plant.
* Handling the emergencies regarding Furnaces, Pumps, compressor, Heat exchangers, Power and the cooling tower at the unit.
* Supervision of maintenance and electrical job in running plant.
* Performed Duties as a **Console operator of Heavy Crude Unit** and learn basics of **DCS** Control system.
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| **Professional Training and Courses** | * Basic Understanding about **PFD’s, P&ID** by Attock Refinery Limited, Rawalpindi
* Understanding session about **ISO9001,18001 & 14001** by Attock Refinery Limited, Rawalpindi
* Successfully Completed **H2S training**  **by** Attock Refinery Limited, Rawalpindi
* **Permit to Work** by Attock Refinery Limited, Rawalpindi-Pakistan
* **HAZOP Workshop** by Attock Refinery Limited, Rawalpindi-Pakistan
* **Fire Fighting Control** by Attock Refinery Limited, Rawalpindi-Pakistan
* **Good Lab Practice** by Attock Refinery Limited, Rawalpindi-Pakistan
* **Emotional Intelligence** by Attock Refinery Limited, Rawalpindi-Pakistan
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| **Safety & Technical Skills** | * Process safety Risk management system and personnel Safety management System.
* Permit to Work **(PTW)** system.
* First Aid, Plant safety, Fire fighting and uses of fire extinguisher.
* **LOTO** Procedure and daily safety/ Emergency talk.
* Use and limitations of various types of Personal Protective Equipment.
* **HAZOP** study
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| **Professional Achievements** | * Handled Fire Emergency during the shift at Reformer plant
* Handled Power dip Emergency during the shift at Distillation unit
* Worked in shut downs and startups of Crude and Reformer unit
* Worked and supervise different jobs **(Draining And steaming out of plant, Desalter cleaning , Heat Exchangers cleaning and there Hydro test pressures, Heater refractory maintenance & PIGG Decoking of Heater tubes, Calibration of all PSV’s and Gas detectors, Cleaning & Inspection of Distillation and Vacuum towers & Naphtha Stabilizer, Ensure all work permits, Co-ordination with area safety In charge and ensured all jobs done safely and made an activity chart for all jobs supervised and closely monitored all hot jobs like cutting grinding welding & crane operation)** in Annual Turn Around of Plant (Heavy Crude Unit)
* **Supervised all Pre commissioning & commissioning jobs (Walk down, Hydro Test, Pressure Test, Water flushing, Chemical Cleaning and degreasing of Lines, Reinstatements, Furnace Dry Out, Catalyst Loading , Inerting (oxygen free) of system, Making Amine solution and start closed circulation ) at SULFUR RECOVERY, Amine Treating and Sour Water Stripper Unit.**
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| **Projects**  | **Currently working as Project Engineer for Pre-Flash, Sulfur Recovery, Amine Treating and Sour Water Stripper Unit.****Installation & Commissioning of Jacobs Sulfur Recovery unit**: * Currently Supervising Installation, Pre-Commissioning & commissioning Activities of Sulfur Recovery Unit.
* **PSSR** & developing **control philosophy & ESD** of Sulfur Recovery unit & package testing.
* Review the procedures, P&ID's & PFD & develop the **Standard Operating Manual** for Sulfur Unit.

**AMU and SWS installation & commissioning:** * Currently Supervising Installation, Pre-Commissioning & commissioning Activities of Sulfur Recovery Unit
* Review the procedures, P&ID's & PFD & develop the **Standard Operating Manual** for Sulfur Unit.

**Installation & Commissioning of Pre-Flash unit**:* Installation, Pre-Commissioning & commissioning Activities supervision.
* **PSSR** & developing **control philosophy & ESD** of isomerization unit & package testing.
* Review the procedures, P&ID's & PFD & develop the **Standard Operating Manual** for Pre-Flash Unit.
* Supervised Master Start Up after installation of Pre-Flash Unit.

**Catalyst Regeneration, Loading/Unloading of UOP Fixed Bed Platforming reactors & hydro treating reactor:** * Review the regeneration procedure. Technical evaluation & supervised Startup activities.
* Supervised the catalyst regeneration, loading & unloading activity.

**Commissioning of New Process Heater:** |
| **Computer Skills** | MS Office, MS Excel, MS Visio, Maximo Live, LIMS (Lab Information Management System) and PTW (Permit to work) |
| **Memberships &Associations** | * Registered member of **Pakistan Engineering Council ( PEC )**
* Member of **Alumni of COMSATS Institute of Information Technology**
* Former Member of **Dept. Discipline Committee COMSATS**
* Former President and member of **Event Management and Organizers Committee COMSATS**
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| **Languages** | * **English** (Professional working proficiency)
* **Urdu** (Native or bilingual proficiency)
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