**REHMAN**

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**Whatsapp No.:** +971 50 4753686 | **Email:** rehman-399726@2freemail.com



**Objective**



A Mechanical Engineer pursuing a career in an organization with a stimulating and challenging environment where I can apply and develop my skills and contribute to the organization’s growth as well as the society.

**Education**



**Bachelor of Science in Mechanical Engineering** (2019)

*University of Engineering & Technology, Lahore – Pakistan* **Relevant Courses:**



**H.S.S.C (FSC Pre-Engineering)** (2015)

*Punjab College of Science, Lahore*

**S.S.C (Matric)** (2013)

*Standard Grammar High School, Lahore*

**Work Experience**



**Organization:** Engineering Company based in Pakistan

**Designation:** Trainee Engineer

**Duration:** December, 2019 – September, 2020

**Tasks:**

* Understand the job scope and clarify any ambiguities
* Finalize area’s scope of work and prepare an execution plan in coordination with in charge planning
* Monitor and ensure efficient utilization of resources
* Strong follow-up of agreed milestone with client, related to resource arrangement & all contractual agreements
* Coordination for generation of purchase request/order for procurement of permanent material

**Shutdown Experience**

**Client:** Pak Arab Refinery (PARCO)

**Turn Around:** PARCO Mid Country Refinery (TA-04)

**Designation:** Area Planner

**Duration:** January 1st, 2020 – March 28th, 2020

**Client:** DESCON Oxychem Limited

**Turn Around:** Annual Turaround of Oxychem Limited

**Designation:** Area Planner

**Duration:** August 1st, 2020 – August 31st, 2020

**Tasks:**

* Prepare work packages containing Method statements, JSA's, Primavera P6 Plan, Assist in preparation of Rigging studies, Blind tracking lists etc.
* Progress monitoring of job execution on daily basis.
* Monitor and ensure efficient utilization of resources.
* Coordination with QA/QC personnel & HSE department.
* Provide feedback of job progress to Planning & answer the queries in management meeting.
* Monitor High-Pressure Water Jetting progress of Heat Exchanger tube bundles of all units
* Follow up with Inspection Department for any repair in tube bundles and coordinate with respective area for repair jobs
* Overhauling of Heat Exchangers, Columns, Vessels, Furnaces, Reactors, Fin Fan Coolers
* Arrange resources for repair jobs from within the existing execution teams and within the existing timeline of baseline plan
* Manway replacement, Weld repairs, Internal and external patchwork of pressure vessels, Plugging of heat exchanger tubes
* Critical scope of Hydro-jetting inside DIESELMAX Reactor
* Servicing and Maintenance of Valves, (Mechanical and Control Valves)
* Insulation and Hot Painting of equipment

**Internships**



**Hosting organization:**

**Duration:**

National Engineering Services Pakistan (NESPAK)

August, 2018 – September, 2018

**Tasks:**

* To Perform analysis of Mechanical Design choices
* To interact with various members of team of Orange Line Mass Transit Lahore Project
* Analysis of different techniques of HVAC system

**Hosting organization:**

**Duration:**

FABCON Design & Engineering Private Ltd.

July, 2018 – July, 2018

**Tasks:**

* To integrate Tracking Plans
* Preparation of Calculations and Reports
* To apply the principles of Total Quality Management for the reduction of errors

**Hosting organization:**

**Duration:**

IKAN Engineering Services Private Ltd.

July, 2017 – August, 2017

**Tasks:**

To gain practical knowledge of following departments,

* Project Management
* Design & Development
* HSE
* Production

**Academic Projects**



**Productivity Improvement of a Manufacturing Industry [Millat Equipment Limited (MEL)] using Statistical Process Control (SPC), 2018-2019**

* Applied SPC tools for the identification of deficiencies and non-conformities in manufacturing processes and eradicated these errors to increase productivity

**Finite Element Analysis using ANSYS, Spring 2018**

* Detailed examination of a rectangular plate with a hole through ANSYS Fluent

**Thermo-electric heat collector, Fall 2017**

* Powered thermo-electric modules through photo-voltaic cells for the purpose of heating up water

**Electric skateboard, Fall 2016**

* Utilized common wood, DC motors, bicycle tyres and electrical switches to assemble a battery powered skateboard

**Leadership Experience**



**TEDx UET (2017 – 2019)**

* Director Media & Photography + Chief Coordinator

**ALW Blood Donor Society, Lahore (2018 – Present)**

* Ambassador

**Men’s Futsal Team (2016 – 2019)**

* Team Player

**American Society of Mechanical Engineers (ASME) (2016 – Present)**

* International Member

**Additional**



**Software:**

Microsoft Office, MATLAB, AutoCAD, Creo Parametric, Minitab, ANSYS, SPSS, Visio, Solid Works, Primavera P6, PlanSwift

**Interpersonal Skills**

Goal oriented, Conflict Management, Motivated, Presistent and Adaptable

**Spoken Languages:**

Fluent in English; Conversant in Urdu