

# ABUZAR KHAN

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**Location:** Islamabad, H-12 Pakistan.

## EDUCATION

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**Master of Science in Manufacturing Engineering**  
**National University of Science & Technology (NUST)**

**September 2022 – Dec 2024**  
**Islamabad, Pakistan**

- **CGPA:** 3.30/4.0
- **Relevant Coursework:** Advanced Manufacturing Processes, Quality Control Management, Computer Integrated Manufacturing, Operation Management, Product Design & Development, Additive Manufacturing, Advanced Engineering Materials, Composite Materials.

**Bachelor of Science in Mechanical Engineering**  
**University of Engineering & Technology (UET)**

**September 2017 – November 2021**  
**Peshawar, Pakistan**

- **Relevant Coursework:** Behavior of Materials, Design of Machine Elements, Fluid Mechanics, Engineering Statics & Dynamics, Engineering Materials, Thermodynamics, Power Plants, Refrigeration & Air Conditioning, Heat & Mass Transfer.

## WORK EXPERIENCE

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**Organization:** Philip Morris International  
**Position:** Environmental Health & Safety (EHS) Supervisor  
**Tenure:** July 2023 – Sep 2024

**Description:**

- Presently Overseeing EHS systems in line with organizational principles, local regulations, and industry standards.
- Guided cross-functional teams to achieve EHS objectives, resulting in a 15% reduction in environmental impact and 20% enhancement in employee safety awareness and engagement.
- Investigated accidents, incidents, and near misses to determine root causes, implement corrective actions, and prevent recurrences.
- Oversee safety assessments and audits as well as resolution and follow-up of corrective actions identified during assessments.
- Collaborated within the organization to share best practice, lessons learnt and improve knowledge management.
- Continuously audit processes, identify gaps, and implement effective health and safety solutions for improvement.
- Performed comprehensive risk assessments to pre-emptively detect and address potential workplace hazards.
- Evaluate risks associated with equipment failures and recommend mitigation strategies.
- Responsible for recommending appropriate risk mitigation measures to management, including ergonomics.
- Ensures HSE equipment is inspected, maintained, and calibrated according to manufacturer specifications.
- Undertake compliance monitoring and measurements of key HSE parameters.

**Organization:** Lal Muhammad Govt Contractor & General Order Supplier  
**Position:** Mechanical Maintenance Engineer  
**Tenure:** November 2021 –September 2022

**Description:**

- Directed a team to efficiently execute machinery repair tasks, optimizing operational uptime and enhancing production output.
- Providing technical support, troubleshooting, and resolving mechanical issues during project implementation.
- Perform field walkdowns and collaborate with maintenance and operations personnel to develop repair plans.
- Implemented strategic maintenance scheduling initiatives, ensuring optimal equipment performance and minimal operational disruptions.
- Accurately quantify all material and labor requirements associated with the assigned task.
- Monitor and optimize equipment performance, troubleshoot issues, and propose solutions.

- Managed precise equipment calibration procedures to maintain accuracy and reliability in operations.
- Support the implementation of quality control measures and ensure compliance with regulatory requirements.
- Monitors the performance of critical equipment and identifies opportunities for improvement.
- Develop and implement preventative maintenance schedules to minimize downtime and extend equipment lifespan.

**Organization:** Pakistan Water & Power Development Authority.

**Position:** Mechanical Engineer Intern

**Tenure:** September 2020 – December 2020

**Description:**

- Assisted in the development and maintenance of quality assurance documentation, including work instructions, inspection protocols, and quality reports.
- Reviewed equipment selections, perform preliminary engineering calculations, and developed preliminary designs.
- Assisted in designing building mechanical systems, including HVAC, plumbing, and fire protection.
- Familiarity with AutoCAD Mechanical and AutoCAD Inventor.
- General Awareness of the Boiler and Pressure Vessel Act & Regulations.
- Performed and support Root Cause Failure Investigations for Reliability Events.
- Created, updated, and maintained part process drawings, BOMs, and inspection reports.
- Gained comprehensive knowledge of MS Office (Outlook, Word, Excel), and MS Project.

## LICENSES & CERTIFICATIONS

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<b>Lean Six Sigma Black Belt (LSSBB)</b>	The Council For Six Sigma Certification (CSSC), USA. Completion Date: July 2024
<b>Lean Six Sigma Green Belt (LSSGB)</b>	The Council For Six Sigma Certification (CSSC), USA. Completion Date: July 2024
<b>Lean Six Sigma Yellow Belt (LSSYB)</b>	The Council For Six Sigma Certification (CSSC), USA. Completion Date: Jun 2024
<b>NEBOSH - IGC</b>	National Examination Board in Occupational Safety and Health, UK. Completion Date: May 2023
<b>IOSH Managing Safely</b>	The Institution of Occupational Safety and Health, UK. Completion Date: Jan 2023
<b>ISO 45001:2018 (OHSMS)</b>	CQI   IRCA, UK. Completion Date: Sept 2023
<b>ISO 14001:2018 (EMS)</b>	CQI   IRCA, UK. Completion Date: Nov 2023
<b>ISO 9001:2015 (QMS)</b>	CQI   IRCA, UK Completion Date: Sept 2022
<b>OSHA</b>	The Occupational Safety and Health Administration, USA. Completion Date: June 2023
<b>HABC Fire Safety</b>	Highfield International Completion Date: June 2023
<b>HABC First Aid at Work</b>	Highfield International. Completion Date: June 2023

## TECHNICAL SKILLS

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**Design/Simulation:** AutoCAD Mechanical, SolidWorks, PTC CREO, Fusion 360, ANSYS, Autodesk Inventor, CAMSOL Multiphysics.

**Process Improvement:** QC/QA, Advance Product Quality Planning (APQP), Total Productive Maintenance, Product Part Approval Process (PPAP), Quality Management System (QMS), Lean Six Sigma, Value stream mapping, Root Cause Analysis (RCA), Internal Audits, Fishbone Diagram, SIPOC, PFMEA, SPC.

**Mechanical Skills:** Production Automation, Mechanical Assemblies, GD&T, Engineering Drawings, 3D CAD/CAM, Instrumentation & Control, Preventive Maintenance, Troubleshooting, Design for Manufacturing (DFM), Design for Assembly (DFA).

**Programming, Databases:** CNC Programming, MATLAB, Python, Minitab Statistical, MS Office 365.

## REFERENCE

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### **Dr Sadaqat Ali**

Assistant Professor

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School Of Mechanical & Manufacturing Engineering (SMME)

National University of Sciences & Technology (NUST)

### **Dr Malik Adeel Umer**

Associate Professor

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School Of Chemical & Material Engineering (SCME)

National University of Sciences & Technology (NUST)