



Ahmad Mustafa Mahboob

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ABOUT ME

As an Industrial Engineer with a strong passion for Total Quality Management (TQM), I bring a meticulous approach to ensuring excellence in processes and products. With a solid foundation in industrial engineering principles and a focus on continuous improvement, I am dedicated to implementing effective TQM strategies to drive organizational success. My analytical mindset, attention to detail, and problem-solving abilities enable me to identify areas for optimization and implement solutions that enhance quality and efficiency. I am committed to leveraging my skills and expertise to contribute to FF Steel's commitment to excellence and innovation in the Steel industry.

EDUCATION AND TRAINING

Bachelor of Science in Industrial Engineering

University of Engineering and Technology (UET) [09/2019 – 09/2023]

City: Peshawar

Country: Pakistan

Website: <https://www.uetpeshawar.edu.pk/>

Final Result: Passed with 1st division

Core Subjects:

- Statistical Quality Control
- Six Sigma Methodology
- Lean Manufacturing Principles
- Production Planning
- Supply Chain Management
- Process Improvement and Optimization
- Project Management
- Operations Research

Intermediate (Pre-Engineering)

University Wensam College, DIKhan [07/2017 - 08/2019]

City: DIKhan

Country: Pakistan

Field(s) of study: Pre-Engineering

Final Percentage: 81%

Matriculation (Science)

University Wensam College, DIKhan [06/2015 - 06/2017]

City: DIKhan

Country: Pakistan

Field(s) of study: Science

Final Percentage: 85%

Hafiz-e-Quran

Iqra Roza-tul-Atfal, DIKhan [2010 - 2011]

City: DIKhan

Country: Pakistan

Final Percentage: 90%

PROJECTS

First Final year project: [06/2022]- [06/2023]

Summary:

“**Optimization of energy consumption in a local pipe industry using energy efficient scheduling**” is my **final year project** where I was a **group Leader**. We did a project at Kawsar Pipe Industry Peshawar, Pakistan, where long wait times were a big issue.

- Met 100% of project deadlines and objectives by efficiently communicating with managers and coordinating with employees.
- Boosted per month production by 25% and reduce the energy consumption by efficient scheduling

Crank Shaft:

Summary:

The Crank Shaft project undertaken as part of the “**Machine Design and CAD**” course involved the comprehensive design and analysis of a critical component used in reciprocating engines.

- A key focus of the project was on structural analysis and simulation to evaluate the performance and durability of the crankshaft under different operating conditions.
- The culmination of the project involved the presentation of design iterations, analysis results, and manufacturing recommendations, demonstrating proficiency in engineering design processes and problem-solving skills in real-world applications.

Traffic Light System:

Summary:

The primary objective was to enhance safety, minimize congestion, and optimize the efficiency of traffic movement and utilizing microcontroller technology such as Arduino.

- The Traffic Light System project served as a practical application of control theory, embedded systems, and traffic engineering principles. It provided valuable insights into traffic management strategies, system integration challenges, and the importance of technology in addressing urban transportation needs.

WORK EXPERIENCE

Intern Industrial

Marks - Razmak Industries Hayatabad Peshawar [01/08/2022 – 30/08/2022]

City: Peshawar

Country: Pakistan

- “**Marks-Razmak Industries**” is an ambulance manufacturing company in Peshawar Pakistan. Working closely with the production team, I assisted in various stages of assembly, including chassis installation, electrical wiring, and interior outfitting. I collaborated with engineers to identify areas for process improvement and implemented solutions to enhance efficiency and quality control measures. Additionally, I participated in quality assurance inspections and contributed to the documentation of standard operating procedures.

Intern Industrial

Royal PVC Pvt Limited, Peshawar [01/08/2022 – 30/09/2022]

City: Peshawar

Country: Pakistan

- My internship experience at “**Royal PVC Pipe Industry**” provided me with a comprehensive understanding of the manufacturing processes and operations within the pipe industry. Working alongside experienced professionals, I actively participated in various stages of production, including extrusion, molding, and quality testing of PVC pipes. Through hands-on involvement, I gained insight into the importance of adhering to strict quality standards and ensuring product consistency. I assisted in troubleshooting equipment issues and implementing corrective measures to optimize production efficiency. Additionally, I engaged in inventory management tasks and learned about supply chain logistics in a manufacturing setting.

INTERPERSONAL AND COMMUNICATION SKILLS

Interpersonal Skills

- Negotiation & Team Building
- Leadership
- Management Skills
- Problem solving
- Creativity
- Communication & presentation
- Critical Thinking
- Organizational Skills
- Decision Making
- Customer issues
- Working under pressure

Technical Expertise

- **CAD:** AutoCAD
- **Simulations:** Rockwell ARENA
- **Project Management:** MS Project
- **Microsoft Office:** Competent with Microsoft Word, Excel, PowerPoint
- **Programming:** Python

Communication Skills

- Excellent verbal and written communication skills.

LANGUAGE SKILLS

Mother tongue(s):

Urdu [speak, Read and write]

Other language(s):

English [speak, Read and write]

Saraiki [speak, Read and write]

Pashto [speak and read]

Punjabi [speak and read]

HONORS AND AWARDS

Merit scholarship given by the institute to Top 5 students of the department.

University of Engineering and Technology, Peshawar [2019-2023]

Merit Scholarship offered by the College to the top 10 merit students of Pre-Engineering.

University Wensam College, Dikhan [2017-2019]

