
Shehroze Tahir Khan

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Objectives

Passionate to work in a dynamic environment that encourages creativity so that I can apply my knowledge and experience for the growth of organization.

Experience

- **Lecturer, Mechanical Engineering Department (September 2016 – Present)**
NED University of Engineering & Technology, Karachi

Key Job Responsibilities

- Conduct lectures of Engineering Drawing and Fundamentals of Thermal fluids in first year Petroleum and first year Materials Engineering Department respectively.
- Conduct practical session of Engineering Drawing in Petroleum Engineering Department.

► **Engineer, Galvanizing Plant – I Operations (July 2014 – September 2016)**
International Steels Limited, Karachi

Key Job Responsibilities

- Identifies operational problems by observing and studying system functioning and performance results.
- Investigating complaints and suggestions; interviewing process supervisors and operators; completing troubleshooting procedures.
- Implement Lean Manufacturing tools for plant optimization and effective utilization of floor space.
- Maintains safe and healthy work environment by following and enforcing standards and procedures.
- Provides operational management information by collecting, analyzing, and summarizing operating and engineering data and trends.
- Provide engineering support to operations team in achieving required goals.
- Assist in the development and maintenance of operational standards and procedures.

► **Engineer, Skin Pass Mill & Tension Leveler Operations (January 2014 –June 2014)**
International Steels Limited, Karachi

Key Job Responsibilities

- To plan & schedule the work and efficiently organize the facilities in order to meet the required production target.
- To coordinate and organize work force according to work needs.
- To oversee quality control and safety matters on the plant.
- Investigate and understand root causes for issues in operations.
- Develop corrective actions to solve the operations issues.
- Ensure operations related activities are performed in compliance with company standards and regulations.
- Initiate continuous process improvements to improve operational effectiveness.
- Identify and implement value addition and waste reduction initiatives.
- Provide engineering support to operations team in achieving required goals.
- Assist in the development and maintenance of operational standards and procedures.

- Maintain safe and healthy work environment by following and enforcing standards and procedures.

➤ **Internee, Galvanizing Plant – I (May 2012 – June 2012)**
International Steels Limited, Karachi

Role

- Studied the galvanizing plant and its operations.
- Observed the preventive and breakdown maintenance activities carried out during the internship period.
- Observed the effect of various line parameters such as line speed, furnace temperature, protective gas dew point, etc. on product quality.
- Learned quality assurance techniques carried out by QC lab which came under the umbrella of QC department.
- Learned about utility supplies required for plant, hydraulic and pneumatic system basics.
- Prepare and present the internship report.

➤ **Internee, Pneumatic Overhaul Shop (December 2012)**
Pakistan International Airlines

Role

- Studied the different parts of aircraft pneumatic system.
- Performed the overhauling of Boeing 737 pneumatic bleed valve assembly according to the drawings provided in the supplier's manual (Honeywell). The overall procedure was carried out under the supervision of engineering staff.
- Performed the testing of pneumatic valves and record the observations in the equipment history card.
- Studied the principle and operation of air cycling machine. Performed the overhauling of Boeing 737 ACM and tested it accordingly.
- Studied the working of aircraft engine starter.

➤ **Internee, Ispahani Hangar (June 2013)**
Pakistan International Airlines

Role

- Studied the principles and operations of gas turbine engines.
- Studied the basic aircraft mechanics and learned about the theory of flight.
- Studied different types of aircraft control systems.

Education

- **MEM Industrial Management (January 2016)**
NED University of Engineering & Technology, Karachi
- **BE Mechanical Engineering (January 2014)**
NED University of Engineering & Technology, Karachi
- **HSC Pre-Engineering (2009)**
Adamjee Govt. Science College, Board of Intermediate Education,
Karachi
- **SSC Science (2007)**
Usman Public School Campus-II, Board of Secondary Education,
Karachi

Skills

Engineering

- Design & Fabricate a Pulsejet Engine capable of producing 25 lb thrust as a Final Year Project.
- Participate in the design & fabrication of an R/C Aircraft capable of carrying a payload of 6 lbs.
- Participate in the fabrication of R/C submarine for SENTEC Project Exhibition 2011.
- Made a programmable line following robot for SENTEC Project Exhibition.

Software

- ABB Process Graphics Editor
- Oracle E-Business Suite
- MS-Office
- MS-Project
- In page
- Pro-E Wildfire 5.0
- Solid Edge v20

Communication

- Prepare and present various reports which include Production Summaries, Monthly Production Analysis, and Loss Trends & Quarterly Analysis, to HOD Galvanizing.
- Communicate with various departments such as rolling mill, stores and procurement for raw material availability and its status.
- Consult with mechanical and electrical maintenance teams or smooth and effective operation of plant.

Others

- Creative team player.
- Possess self-starter and critical thinking abilities.

Achievements

- Implementation of 5S methodology on a Galvanizing Plant-I as an assignment in Master's degree which provided better visual control of not only raw materials but also the tools and accessories related to different parts of the plant.
- Train and help others within the factory premises about the implementation of 5S.
- Understand the engineering perspectives of Galvanizing plant and develop Standard Operation Procedures (SOPs) for Skin Pass Mill of the plant for operators reference.

Workshops & Seminars

- “Win with Time”, a one day workshop organized by Management Association of Pakistan (MAP).
- Six Sigma Yellow Belt, a one day webinar conducted at NEDUET.
- ERP Fundamentals with SAP, a five day workshop conducted by SAP University Alliance at NEDUET.

Professional Memberships

- Pakistan Engineering Council (PEC)

References

- Personal and professional references will gladly be furnished upon request.