Qazi Salman Khalid

Educational Qualifications: MS. Industrial & Manufacturing Engg.
Mobile: +92-335-4300088
Current Location: Nowshera, Pakistan
Email: qazisalman@uetpeshawar.edu.pk

Summary of Career

- Presenting 3+ Years of diversified experience, within renowned industries environment; including construction, tobacco and sports items.
- Having experience of reviewing production schedules, engineering specifications, process flows, and other information to understand methods and activities in manufacturing and services.
- Enact quality control procedures to resolve production problems, minimize costs and design systems to coordinate activities and production planning to ensure that products meet quality standards.
- Admirable communication skills and experience in leading teams of various dimensions.

Major Role in Organizations

- Production/ System engineer in Comet Sports Private Ltd, Pakistan - Sep 2013 to Feb 2014
- EH&S Coordinator in Pakistan Tobacco Co., Pakistan - Feb 2014 to Jul 2014
- Research & Teaching Assistant in University of Engineering & Technology, Taxila – Aug 2014 to Feb 2016
- Lab Engineer in University of Engineering & Technology, Peshawar – Jul 2017 to Present.

(Details on Next Page)

Academic Qualification

- Master of Science in Engineering (Industrial & Manufacturing) - University of Engineering & Technology, Taxila, Pakistan - 2016

  GPA: 3.75/4.0- Percentage: 93 %

- Bachelor of Science in Engineering (Industrial) - University of Engineering & Technology, Peshawar, Pakistan - 2013

  GPA: 3.30/4.0- Percentage: 82 %

Certifications

QMS- ISO 9001:2015 Lead Auditor Course certified by IRCA

NEBOSH – IGC Occupational Health and Safety Course

(IGC1 & 2 Passed, IGC3 result awaited)

Industrial Experience

Name: Comet Sports Private Ltd, Pakistan (Sep 13- Feb 2014 & May 2016- Present)

Job Position: Production/ System Engineer

Job Responsibilities:

- Improve manufacturing efficiency by analyzing and planning work flow, space requirements, and equipment layout.
- Assure product and process quality by testing finished- product and process capabilities; establishing standards; confirming manufacturing processes.
- Provide manufacturing decision-making information by calculating production, labor, and material costs; reviewing production schedules; estimating future requirements.

Name: Pakistan Tobacco Company Private Ltd. Pakistan (Feb- Jul 2014)

Job Position: Environment Health and Safety Coordinator

Job Responsibilities:

Develop controls and coordinate the implementation from analysis of identified hazards. Also evaluate the effectiveness of the hazard control system and recommend changes that reflect improved opportunities to eliminate work place accidents and injuries. Moreover, conduct/ coordinate on-site inspections to audit physical conditions and safe work practices.

Lab Teaching, Research & Training Experience

Name: University of Engineering & Technology Taxila (Aug 14- Feb 2016)

Job Position: Research & Teaching Assistant

Job Responsibilities:

- Research assistance in various industrial academic linked projects
- Teaching assistant and lab instructor for the courses of:
    - Production Planning & Control
    - Quality Management & Control

Name: University of Engineering & Technology, Peshawar (Jul 2017 to Present)

Job Position: Lab Engineer

Job Responsibilities:

- Conduct lab session composed of tutorial instruction and experimental procedures for courses of:
    - Engineering Optimization Techniques- Fall Semester 2017
    - Industrial Facilities Design- Fall Semester 2017
    - Production Planning & Control- Spring Semester 2018

- Human Factor Engineering- Spring Semester 2018

Computer Literacy

Industrial Based Software: ARENA (Simulation), TORA (Operation Research), LINGO, MINITAB (Statistical Analysis), SIMIO (Simulation), SPSS (Statistical Quality Control)
Design: AUTOCAD, Pro Engineer
General: Microsoft Office
Project Management: Microsoft Project and Primavera P6

Trainings & Seminars

- World Space Week by SUPARCO at UET Peshawar, Oct 07-13, 2011
- DICE – Digital Innovation Competition & Exhibition, National event, Peshawar, Nov 22-23, 2011

Under Graduate Projects

Thesis Project: Six Sigma Implementation in a Steel bar Industry- Research work comprised of improving productivity by outlining critical factors and setting their ranges with aid of design experiments attaining an optimum level.

Term Projects:

- Time & Motion Study – Sparkling Beverages, Hayatabad Industrial State
- Ergonomics (human factor engineering) in Durr Ceramics
- Simulation in ARENA of Sparkling Beverages production line
- Project on inventory control in UET Peshawar workshop
- Machines layout of a retractable ball point industry

Post Graduate Projects

Thesis Project: Scheduling of manufacturing parts in an Auto-mobile Industry to optimize work in process and machine utilization. Project comprised of allocating different parts to various machine in such a sequence which minimizes work in process and enhances machine utilization on the shop floor with assistance of mathematical model development and application of hybrid PSO algorithm. This new sequence of jobs ultimately increased profit of the firm.

Term Projects:

- Case study on formation of manufacturing cells using Bond Energy Algorithm in a public sector organization
- Optimizing single period production model in public sector manufacturing industry
- Investigation of In-Situ heat treatment during squeeze casting of aluminum 3% copper alloy
- Optimization of organizational performances through implementation of quick response manufacturing

Research Paper

Effect of Top and Bottom Gating System in Sand Casting of Aluminum Alloy Al 6063-T5 - Journal of Pakistan Institute of Chemical Engineers.

Research Papers Under-review

1. Modified Particle Swarm Algorithm for Scheduling in Cellular Manufacturing System- a Case Study: Submitted in Journal of Engineering and Applied Sciences

2. Implementation of Hybrid Heuristic Algorithm on Mixed-Model Assembly Line Balancing Problem: A Case Study: Submitted in Pakistan Academy of Sciences

3. Characterization of micro dispensing system and its application in electronic circuit's fabrication: Submitted in Microelectronic Engineering Journal

4. An Artificial Bee Colony Algorithm based Multi-objective Framework for Supplier Integration: Submitted in JICTRA

5. Experimental Characterization of EDM Using Different Dielectrics for Machining of Aluminum 6061 T6 Alloy. Submitted in: Journal of Mechanical Science & Technology

6. Experimental Analysis of Variable Thermal Resistance on Piezoelectric Material for Aerospace Applications: Submitted in Pakistan Academy of Sciences