MOHAMMED ZOHAIB KHAN

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EDUCATION

NORTHEASTERN UNIVERSITY, Boston, MA   **Sept 2018 – Dec 2020**
Master of Science in Industrial Engineering

UNIVERSITY OF MUMBAI, Mumbai, India   **Aug 2013 – May 2017**
Bachelor of Engineering in Mechanical Engineering

SKILLS/ CERTIFICATIONS

Programming Languages:	R, Python, SQL
Tools:	Outlook, Visio, MS Office (Excel – VLOOKUP, Pivot Table, Macros, VBA), Minitab, SAP, AutoCAD, SSMS, Microsoft Access, Arena Simulation
Business Intelligence Tools:	Tableau, Power BI, Qlik Sense, Flourish, Datawrapper
Core Competencies:	Lean Manufacturing, PPAP, APQP, TQM, Cross-Functional Management, Process Validation, GD&T, GMP, PFD, FDA regulations, SIPOC, Project management, PDCA, Managing Operations, CAPA processes
Certifications:	ASQ Quality Tools - Run Chart, Lean Six Sigma Green Belt, Tableau Analyst

WORK EXPERIENCE

BorgWarner, Inc., Ithaca, NY | *Quality Engineering Co-op*   **Jan 2020 - Apr 2020**

- Updated and released 10 plus documents of PFMEA, Control Plan, Work Instructions, Routing Cards and Check Sheets
- Conducted metrological inspection for process capability & measurements for tolerancing using contour analyzing tools like Mahr Surf
- Gained experience on use of quality tools such as Statistics, FMEA, Control Plans, DPAR, PPAP, DMAIC, Six Sigma, and 8D Problem Solving
- Administrated Gensuite Layered Process Audit NCs (in compliance with IATF 16949 2016: ISO 9001)
- Executed EPC for 200% inspection of timing components for customers
- Performed GRR and decreased measurement variation of chain components from 13% to 8% by identifying incongruities in gage calibration
- Regularly analyzed and evaluated procedures and made minor modifications as required & occasionally led small projects
- Reviewed & coordinated with supervisors developing work instruction for SPC Software and assisted in training operators for using SPC software
- Developed quality management dashboards using SQL & Qlik Sense to monitor hold/rework/sorting operation that increased efficiency by 10%
- Managed production process improvement which reduced bottlenecks and mixing of chain components that slashed down scrap rate by 25%
- Steered Kaizen, & assisted in improving 5S tooling in press room & chain assembly area which contributed to increase in efficiency

IL&FS, Mumbai, India | *Industrial Engineering Intern*   **Dec 2017 - Feb 2018**

- Worked together with team of 25 engineers in commissioning of India's first DCS plant of 10,000 TR, in GIFT City Project, Gujrat, India
- Supported supervisor in developing capital budgets for township project and managed communications for efficient execution of projects
- Aided project manager in preparation of estimates for bidding and coordinated with sub-contractors for preparing RFIs/ RFPs
- Supplemented and maintained critical path project schedule and backed project manager in preparation of look-ahead schedules

Go Wood Industries, Mumbai, India | *Manufacturing Engineer*   **May 2016 - Nov 2017**

- Fulfilled procurement optimization for shipping pallets and reduced manufacturing cost by $15,000
- Adopted data-driven approach to create KPI dashboards for production & sales, and analyzed past year data for forecasting sales
- Carried out market analysis to compare market rates of product and gave higher quality service to clients at lower price & increase profits
- Introduced 5S Tooling on shop floor and achieved 35% of timesaving, and assisted in troubleshooting of equipment
- Identified and eliminated waiting time of product manufacturing process by carrying out Value Stream Mapping
- Assisted in training & informing operators about Kaizen and performed root cause analysis which increased process efficiency by 15%
- Maintained Excel spreadsheet for batches of products to systematically monitor batches undergoing heat treatment as per ISPM-15 compliance
- Resolved capacity planning issues & performed time studies, layout/PFA & document standard work in low volume, high variation facility

ACADEMIC PROJECTS

Healthcare Process Improvement by Monitoring Clinical Patient Journey Using Tableau Dashboard   **Sept 2020 – Nov 2020**

- Computed data using R & created dashboard depicting patient data based on demographics, medical history, chronic conditions & providers
- Proposed this method to reduce waiting time and speed up diagnosing process of returning patients

Project Management Principles Implementation in Designing and Building Pedestrian Bridge   **Jun 2020 – Aug 2020**

- Prepared project proposal and project charter for constructing foot over bridge using MS Project and MS Excel
- Performed functions like scheduling, WBS, Risk planning, and budgeting

Designed all levels of Data Abstraction for E-Commerce Company   **Sept 2019 - Dec 2019**

- Produced model on MS Visio enforcing business rules of E-Commerce company and normalized ER into logical database on SSMS
- Implemented functions, stored procedures, and triggers to increase efficiency of data operations and built Power BI dashboards

Manufacturing of Composite Gas Cylinder   **Aug 2016 – Mar 2017**

- Led team of 5 members to develop and design gas cylinder using Solidworks Software
- Analyzed effect of use of different materials for building gas cylinder using Ansys Workbench Software
- Presented technique of manufacturing composite gas cylinder which is safer for use and 10% cheaper to manufacture than normal cylinder