

Rushikesh Mali

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Summary: An Industrial Engineer with 4+ years of experience as manufacturing project engineer, medical devices, quality, validation and continuous improvement, process changeovers, TMV, IQ, OQ, PQ, managed 8-10 engineers, complied with FDA regulations along with ISO 9001, ISO 14001 and OHSAS 18001 standards, familiar with quality testing, packaging and dispatching of material.

Core Competancy: Tool/machine Validation, QMS, Manufacturing Planning and Scheduling, Root Cause Analysis, DOE, Lean Manufacturing, PFMEA, SIPOC, Production Process and control, Statistical Quality Control, GMP, GDP, JMP, Minitab, AutoCAD, SolidWorks, Arena, Maximo

PROFESSIONAL EXPERIENCE

Insulet Corporation, Manufacturing Engineer, Boston, MA

August 2019 - Present

- Functioned as a sustainable engineer to firefight daily challenges across the floor to keep up the Kanban/WIP
- Developed continuous improvement exercise on cell using DOE to augment output with diminishing scrap saving \$3000 daily
- Presented and implemented process changeovers lowering downtime of a cell by 12% in a month
- Analyzed root cause by reviewing production trends and drive corrective action plan to improve process
- Authored protocols, SOP's, PFMEA, reports, deviations, manufacturing aid/ instructions and documented in PLM
- Defined process parameters on highly automated set of machines by performing process studies across manufacturing lines

Manufacturing Project Engineer, Karamtara Engineering, Mumbai, India

December 2015 – July 2017

- Defined and tracked manufacturing process, project milestones and suggested process improvements to meet specified timelines using lean concepts, attaining 10% improvement on liquidity damage penalty
- Formulated production systems, testing, and logistics schedules of steel structures on Gantt Chart using MS Project, created monthly and quarterly production progress report and presented to higher management, delivered inputs based on archived data and business analysis for strategy formation
- Organized DT and NDT testing of structures and examined produced material and insured adherence to IS, BS, and ASTM standards in accordance with quality assurance engineers and design engineers
- Led a team to supervise bid/tender documentation, thoroughly assessed technical and financial documents to develop RFI and quotations for the EEB, Bogota project consisting of 3 different transmission lines, project was worth of \$ 85 Million
- Enhanced productivity by 40% by eliminating time taken to complete process in daily operations by implementing CRM (ERP based software)

Sales Engineer, Neotech Energy System, Mumbai, India

June 2015 – December 2015

- Applied 5S methodology to organize and restructure archived data to enhance process flow by 10%
- Coordinated between sales, manufacturing and technician team improving 20% in yield, utilized manpower effectively to complete daily tasks and service calls
- Generated leads via market research and effective customer relations, negotiated and finalized deals

ACADEMIC PROJECTS

ERP model for Enquiry Management System

May 2019

- Identified project requirements of manufacturing company by research and collecting data from various companies
- Condensed entire enquiry/tender in a single page excel sheet to deliver project summary to higher management
- Resulted in 35% reduction of time to review entire document

Process Optimization of Warehouse

December 2018

- Employed AnyLogic 3D simulation software to optimize route and build operations faster in warehouse
- Compared different techniques deployed in current scenario of a warehouse and proposed automated solution
- Slashed manpower considerably and attained maximum efficiency thereby reducing cost

Demand Response Analysis in Transmission and Distribution of Power in the USA

December 2017

- Studied demand and generation of power across United States, examined production and consumption cost based on research
- Utilized Macros to develop DSS to estimate cost of converting conventional energy to solar

EDUCATION

State University of New York at Binghamton, USA

May 2019

Master of Science (MS) in Industrial and Systems Engineering

Lokmanya Tilak College of Engineering, India

May 2015

Bachelor of Engineering (BE) in Mechanical Engineering

CERTIFICATIONS

- Six Sigma Black Belt, LinkedIn Learning May 2020
- Lean Six Sigma Green Belt, University of Georgia July 2019
- Piping and Design Engineering, VIT Pune, India April 2014