Sanket Kishor Kadam

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Professional Summary

Mechanical Engineering graduate student passionate about Manufacturing & Quality Engineering. Organized, deadline-oriented problem solver with strong learning mindset. Looking for a opportunity in **Quality Engineering** starting from August 2021.

Education

Michigan Technological University — Houghton, Michigan
Master of Science in Mechanical Engineering (Manufacturing and Quality Engineering) | **GPA: 3.92** — Expected August 2021
Graduate Teaching Assistant: Manufacturing Processes, Lean Manufacturing
Courses: Lean Manufacturing, Quality Engineering, Additive Manufacturing, Facility Layout & Safety Design, Design of Experiments

University of Mumbai — Mumbai, India
Bachelor of Engineering in Mechanical Engineering | **GPA: 3.26** — Class of 2018

Professional Experience

Faurecia Interior Systems — Saline, Michigan
Quality Engineer Intern — January 2021 - Present

- Championed weekly scrap meetings with cross functional team members to create and implement lean manufacturing techniques (8D), decreasing annual scrap rate below **2%** which saved **$5000** annually
- Saved **$1400** on a single quote through negotiation and finding multiple supplier options as per quality metrics
- Conducted Root Cause Analysis for the most significant defects on the Ford 150 front and rear door panel assembly line and thereby reduced the rework time and defect rate by **40%**
- Deployed inspection checklist & interactive Power-Bi dashboards to track status of safety issues & quality defects (KPI)

Nitin Industries — Aurangabad, India
Manufacturing Engineer Co-op — August 2017 - February 2018

- Investigated parameters affecting molding operation by performing structural & thermal analysis using SolidWorks software for Aluminium mold and identified **15%** reduction in build time and **32%** reduction in weight using LM6 mold
- Reduced breakdown time by **8%** by implementing lean principles and standard work instructions for molding processes which resulted in annual savings of **$1100**
- Analyzed parameters governing blow molding that demonstrated **$2400** reduction in manufacturing cost annually

The Brihanmumbai Electric Supply & Transport Undertaking (BEST) — Mumbai, India
Quality Engineer Intern — January 2017 - February 2017

- Participated in the development and maintenance through PFMEA and Control Plans and monitored and reduced process variation using Statistical Process Control, mistake proofing which resulted in saving of **$3500** annually
- Hands on work including welding and assembling differential gears for transmission boxes, replacing assemblies on customer vehicles, fabrication, mechanical wrenching, and **300** hours of lab inspection (product testing)
- Developed fixtures and work instructions to minimize machine downtime by **2** days, performed time studies for satisfying the order flow as per customer requirements & improved efficiency by **11%** which resulted in annual saving of **$6000**

Projects Experience

- **Optimization of Car Manufacturing Process through Lean Tools** — April 2020
  - Investigated defects, wastes in manufacturing flow through statistical analysis and found **78%** reduction in cycle time, **85%** reduction in lead time after analyzing standardized work sheets & value stream maps, reduction in total number of operators by **16%** using U-shaped production cell layout and visual factory tools
- **Process Capability and Statistical Process Control (SPC) study for Manufacturing of Bronze Bushings** — November 2019
  - Eliminated the special causes by collecting and analyzing **250** sample data set using Ishikawa diagram and scatter plots to bring it under statistical control. Computed process capability and percentage of product conforming to the specification

Leadership Experience

- **Secretary of Leaders in Continuous Improvement** | Michigan Technological University — December 2019 - Present
  - Administered a general meetings and presented Lean philosophy (Kaizen Events, Six sigma, Kanban, 5S) to members
  - Conducted and assisted in various activities to get hands-on idea of lean and continuous improvement concepts

Skills

MINITAB | Power-Bi | PPAP/APQP | 8D | AutoCad | SolidWorks | MS Office (Word, Excel, PowerPoint) | CNC | Pro E | GD&T