

SANKET RAJU KUHIKAR

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ACADEMIC DETAILS

- Master of Science | Manufacturing Engineering | Wayne State University, Detroit | August 2017-May 2019 | GPA 3.7
- Bachelor of Engineering | Mechanical Engineering | University of Pune, India | August 2013-May 2017

WORK EXPERIENCE

Vander-Bend Manufacturing, San Jose, CA | Quality Engineer | February 2020 - Present

- Implementing and leading critical quality projects and working directly with the Director of Quality.
- Analyzing critical quality and manufacturing KPI weekly data, conducting trend and statistical analysis to implement measures to improve overall quality.
- Set up workmanship standards, work instructions, developing and providing training to operators and supervisors for new processes and improvements.
- Leading machine and quality management systems software validation IQ/OQ/PQ activities including correlation and process capability (CP/CPK) studies.
- Leading investigation of in-depth root cause analysis of quality issues relating to Material Review Boards (MRB's), Non-Conformance Reports (NCR's), Defective Material Reports (DMR's) and implementation of corrective action (CAPA's) for medical devices and other sheet metal and machined parts
- Developing documentation towards a Quality Management System (QMS) to meet ISO requirements.
- Developed PFMEA's and process control plans (PCP) as needed.
- Monitoring CAPA activities across all levels of the organization and supporting RCCA (Root Cause and Corrective Actions).
- Setting up Gage Repeatability and Reproducibility (GR&R) and Design of Experiments (DOE) as needed.

Wisoman Foods, Hayward, CA | Operations Associate | January 2020-February 2020

- Production Scheduling, Updating ERP systems to match production schedule and inventory.
- Conducting Quality Control and Quality Assurance procedures, recording checklists for the same and implementing any corrective actions needed.
- Supervised compliance of manufacturing/quality and organizational procedures to FDA standards, Good Documentation Practices and GMP.

Wayne State University, Detroit, MI | Post Graduate Research Assistant | September 2019-December 2019

- Conducting statistical data analysis on the MTBF, MTTR data on different army tank product variants.
- Determining correlations between Reliability, Availability and Maintainability data by using statistical tests like ANOVA, t tests, correlation to support future product development and sustainable design decisions.

Shree Electricals Pvt Ltd | Six Sigma Black Belt Consultant | February 2019-April 2019

- Used DMAIC and its tools like Fishbone, 8D's, 5Whys, SIPOC to improve process flow to the CNC punching press.
- Devised new process flow and made new Standard Operating Procedures (SOP's)/Engineering Process Instructions and Work instructions for the production operators and design engineers.
- Improved process and material flow led to a reduction in lead time by 45 percent and increased Overall Equipment Effectiveness (OEE).
- Trained production personnel to follow the new scrap reuse process according to the work instructions.
- Reduced sheet metal scrap wastes by 30 percent leading to significant cost reductions by ensuring optimum sheet metal utilization.
- Developed Control Plans, utilized pareto analysis, root cause and statistical data analysis techniques.

Mahindra CIE Automotive Ltd, Pune | Manufacturing Quality Engineer | June 2016- April 2017

- Managing and implementing activities in the Advanced Product Quality Planning (APQP) and Production Part Approval Process (PPAP).
- Project in Design and Analysis of punch and die of a punching press for trimming operation of a differential bearing cap.
- Achieved significant labor cost savings and waste elimination due to the new metal stamping process.
- Defined project timelines, scope, and goals by coordinating with a cross functional team. Documented sampling plans for QC inspections, validation, and customer audits.

- Comprehended innovative and robust visual checks and measurement test leading to framework improving overall quality performance by applying 5S & 7QC tools.
- Devised and developed detailed test methodologies and documentations capturing quality reports and logs.
- Worked with a cross functional team to identify root causes and eliminate any process wastes to improve efficiency. Utilized line balancing techniques.
- Worked alongside machinists to learn facets of machining which contributed to production time.
- Did part and assembly design for the punch and die assembly using Pro-Engineer and utilized GD&T for its design.
- Performing engineering calculations using previous CAD and solid modelling software to create designs.
- Published a research article regarding the same in International Journal of Current Engineering and Technology.

Mahindra Vehicle Manufacturers Ltd, Pune | Industrial Engineer Intern | December 2015-May 2016

- Industrial training in assembly, facility planning, plant safety and first-hand experience with manufacturing lines.
- Established preventive maintenance schedules for various utility departments.
- Developed time standards for all work elements using MODAPTS.
- Experienced TS16949, material flow, procurement and witnessed JIT, Kanban, 5s and poka-yoke.
- Documentation of the operation of the plant, suppliers, production, and management of several automobiles.
- Project on Industrial study of the utility and mechanical department.

SKILLS

- Design: CATIA V5, SolidWorks, Pro-Engineer/Creo, AutoCAD
- Analysis: ANSYS, MATLAB
- Office: MS PowerPoint, MS Excel, MS Outlook, MS Project
- Statistical Data Analysis: Tableau, Minitab, Excel Solver, QI Macros, Python.
- Machine Tools: Lathe, CNC

RELEVANT COURSEWORK AND SKILLS

FDA Regulations	21 CFR
Project Management	Pro-Engineer
Statistical Process Control (SPC)	DOE
ISO 13485	Gage R&R
DFMEA/ PFMEA	cGMP

PUBLICATION

Research Article titled Design of Punch and Die for Trimming Operation of Differential Bearing Cap published in INPRESCO, International Journal of Current Engineering and Technology.

CERTIFICATIONS

- Black Belt in Six-Sigma DMAIC Methodology (CSSBB) (Wayne State University)
- Green Belt in Six-Sigma DMAIC Methodology (CSSGB) (Wayne State University)
- CATIA V5 (CADD Center)
- Geometric Dimensioning and Tolerancing(GD&T) (LinkedIn Learning)
- SAP ERP Essential Training (LinkedIn Learning)