

Anoop Ravindran

QUALITY ASSURANCE TECHNICIAN – Lean Manufacturing, Root Cause Analysis, Six Sigma

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SKILLS

- **Quality Control Systems:** Conducting the inspections, and ensuring compliance with industry standards.
- **Statistical Process Control:** Monitoring the processes through data-driven analysis to maintain consistency.
- **Root Cause Analysis:** Identifying and resolving the issues to prevent recurrence and improve performance.
- **Six Sigma:** Applying data-driven techniques to reduce defects and enhance product quality in manufacturing.
- **Lean Manufacturing:** Eliminating waste and improving efficiency through continuous improvement methods.

WORK EXPERIENCE

Quality Inspector

November 2023 – Present

Marinio Services Inc Toronto

- Developed 10+ SOPs for automotive component inspections and issued nonconformance material tags. Collaborated with quality teams to enhance operational efficiency, reducing delays, production bottlenecks by 15%.
- Conducted over 500 first-off, in-process, and receiving inspections weekly, ensuring compliance with quality standards. Achieved a 20% reduction in defect rates by implementing consistent and thorough quality checks.
- Trained 8 new quality inspectors on client-specific procedures, improving inspection accuracy. Led root cause analysis of 50+ production issues monthly, collaborating with cross-functional teams to reduce breakdowns.

Quality Inspector (Internship)

May 2023 – August 2023

Stratosphere Quality, Newmarket

Toronto

- Conducted in-line dimensional inspections using the precision tools, statistical software, ensuring 95% compliance with engineering specifications across 1,000+ automotive components, identifying the deviations, and actions.
- Communicated process revisions by authoring and presenting corrective SOPs to cross-functional teams of 10+ engineers and technicians, resolving QMS non conformities and improving internal audit compliance by 30%.
- Reduced quality defects by 85% by implementing root cause analysis using 5 Whys methodology and Six Sigma tools, addressing recurring issues in stamping and molding operations, yield rates, and aligning product output.

Junior Engineer

April 2018 – September 2021

Sankar Sealing Systems Pvt Ltd

India

- Spearheaded cross-functional automation initiatives and fixture redesigns, increasing gasket output by 15% across three high-volume press lines by optimizing throughput and minimizing cycle times using lean principles.
- Devised and applied the SPC control charts during pilot runs of sealing products, cutting the dimensional outliers by 25% and enabling the real-time data-driven decisions to uphold precision in high-volume manufacturing.
- Directed and communicated daily objectives to 25 machinists, integrating KPI dashboards for real-time performance monitoring, achieving 100% reporting accuracy via SAP and reducing downtime through coordination.

PROJECTS

Superhydrophobic Coating on Al Alloy via Fatty Acids

- Developed the superhydrophobic coatings on aluminum using fatty acids, improving water repellent by 90%.
- Conducted corrosion and surface analysis on 50+ samples, achieving 40% resistance and ice-phobic properties.

Design and Fabrication of a Hydrogen-Assisted Petrol Engine

- Converted TVS Scooty engine to hydrogen fuel, achieving 20% more power and ultra-low emissions output.
- Integrated the sequential hydrogen injection system, boosting torque by 30%, and reducing the engine backfires.

EDUCATION

Postgraduate Certificate in Quality Engineering Management

January 2022 – August 2023

Lambton College

Canada

Postgraduate Diploma in International Business Operations

July 2018 – March 2019

Indira Gandhi National Open University (IGNOU)

India

Master of Engineering in Manufacturing Engineering

September 2015 – June 2017

Anna University

India

Bachelor of Engineering in Mechanical Engineering

July 2010 – May 2014

Dhanalakshmi College of Engineering

India

CERTIFICATIONS

- Six sigma green belt
- A3 Problem Solving for Continuous Improvement
- SAP ERP Essential Training
- Quality Management for Operational Excellence