

# KISHAN SAVALIYA

QUALITY ENGINEER - Quality Management, Root Cause Analysis & AIAG Core Quality

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📍 [Kitchener, ON](#)

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## SKILLS

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- **Quality Engineering Tools:** PPAP, APQP, PFMEA, Control Plan, SPC, MSA, GR&R, GP12/Safe Launch
- **Quality Methodologies:** 8D, 5 Whys, Root Cause Analysis (RCA), Lean Six Sigma, DMAIC, 5S, LPA, CAPA
- **Manufacturing Processes:** CNC Mill/Lathe, Welding, Assembly, Heat Treatment, Sheet Metal Operations
- **Software & Data Tools:** Minitab, SolidWorks, AutoCAD, Power BI, MS Suite (Excel, Office 365), Workspace
- **Quality Standards & Compliance:** IATF 16949, ISO 9001:2015, ISO 14001, GD&T, MRB Compliance

## WORK EXPERIENCE

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### Production Team Leader – Line Setup

August 2022 – Present

*Comtech Manufacturing (Linamar Corporation)*

*Guelph, ON*

- Achieved uninterrupted 100% production output across 5 automated lines by troubleshooting ABB Robots and SPMs, mitigating process stoppage, and costing the company over \$50,000 annually in downtime losses.
- Directed and trained 15+ operators in quality procedures, ODS gauge usage, and 5S best practices, improving process accuracy by 25% and reducing setup times by 18%, increasing work effectiveness and line stability.
- Implemented 50+ Lean and safety improvement ideas to remove non-value-added steps, elevate work area safety standards by 30%, and generate annualized cost savings exceeding \$20,000 through process optimization.

### Quality Inspector (Part Time)

January 2021 – August 2022

*TRIGO Global Quality Solutions*

*Guelph, ON*

- Conducted dimensional inspections for over 5,000 precision automotive parts using micrometers, calipers, and dial gauges, achieving 98% accuracy and directly reducing defect recurrence rates by 22% through early identification.
- Assessed engineering drawings, critical tolerances to isolate over 100 monthly non-conforming parts under ISO 9001 procedures, ensuring zero defective parts shipping, improving availability and rework efficiency by 20%.
- Compiled defect trend reports and graphical analyses in Excel and ERP dashboards, providing actionable insights, cut MRB resolution time by 25%, and improved performance accuracy for supplier and quality teams.

### Quality Assurance Engineer

May 2019 – December 2020

*TATA Motors*

*India*

- Resolved 15+ critical non conformances by executing structured 8D and 5-Why analyses, eliminating root causes on engine assembly lines and achieving a 30% improvement in CAPA closure rate, enhancing defect prevention.
- Maintained internal scrap rates below 3% by performing weekly LPAs, driving targeted corrective actions from MRB insights, and enhancing material utilization efficiency, contributing to annual cost avoidance exceeding.
- Managed PPAP Level 3 submissions and supplier trials to secure full customer approval ahead of schedule, reducing documentation turnaround time rates by 20% and increasing audit compliance metrics by 18%.

## PROJECTS

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### Design of Injection Mold for Polystyrene Clamp

*Conestoga College*

*Project Leader*

- Directed the end-to-end design of an industrial injection mold using SolidWorks and AutoCAD, achieving cost targets of \$12/part, reducing design iterations by 40% through upfront simulations and engineering analysis.
- Produced 5+ detailed drawing sheets aligned with GD&T standards, including mold base features such as ejection and cooling systems, compiling deployment plans, layouts, and BOMs, simulating production workflow.

## EDUCATION

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### Post Graduate Certificate in Applied Manufacturing Management

January 2021 – May 2022

*Conestoga College, Kitchener, Ontario*

### Bachelor of Mechanical Engineering

August 2016 – June 2019

*Pandit Deendayal Energy University, India*

### Diploma in Mechanical Engineering

August 2013 – June 2016

*V.P.M.P Polytechnic, India*

## CERTIFICATIONS & ACHIEVEMENTS

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- **Certified Quality Engineer (CQE)** – American Society for Quality (ASQ)
- **Certified SolidWorks Professional (CSWP)** – Dassault Systemes
- **President's Honor** – Awarded by Conestoga College, Academic Excellence.
- **Best Presentation Award**, Recognized by IIW - PDP Student Chapter for outstanding presentation.
- **Executive Committee Member**, Yogi Divine Society – Led and organized community initiatives.
- **Teacher's Assistant**, Pandit Deendayal Energy University – Assisted faculty in academic delivery engagement.