

Profile

Bachelor's Degree in mechanical engineering with specialization in Plastic Engineering having Overall 26+ Years' Experience in New Product development, Project Management, Supplier Development, Supplier Quality, Value Engineering, & Costing. Industry includes Healthcare, Electronics, Automotive & White Goods.

8.5 years of experience in Managing Production shop floor handling tools, machines, and manpower. Hands on experience on various quality tools PPAP, APQP, Statistical Quality, DOE, FMEA, Six Sigma, Kaizen.

18 years of experience as NPI that includes oversees experience of 4 years (Netherlands) in Managing Global Projects, Handling Suppliers, Costing and Negotiation with suppliers. Skilled in managing multiple tasks and projects simultaneously in challenging Matrix environment, (PMP Certified).

Skills & Competences

- New Product Development, PDLM projects
- Project Management (PMP Certified)
- Review Product design using Creo Software for manufacturing feasibility and make necessary changes / improvements to achieve cost effective solution. (Dfx)
- PPAP, APQP, Statistical Quality control
- Ensuring DHF & DMR compliance in line with regulatory requirements
- Hands on experience with Low volume, High mix product manufacturing, managing quick change overs.
- In-depth knowledge of different polymer materials.
- Exposure to Sheet metal stamping, Die casting & PCBA manufacturing process.
- Attending various tooling trials and qualify the tools and components.
- Validate new materials and process.
- Excellent Problem-Solving skills
- Support improvement activities in root cause analysis findings, and implement counter-measures at supplier end to ensure smooth supply of parts.
- Conduct FMEA, Risk analysis with mitigation plan.
- Provide smooth implementation of projects at different manufacturing sites.
- Hands on experience using Minitab for capability study, gage R&R studies and Process Improvement methodologies.
- Carry out Supplier process capability assessment for new projects.
- Frequent traveller to supplier in China, Europe, USA, Singapore.. Passionate working in Multicultural cross functional team. 4+ Experience working in Europe (Netherlands)
- Directs employees and gives them operation guidance both technically and organizationally (Five-member team)
- Good proficiency with Microsoft Office Application (Excel, Word, Power point presentation)

Education

1992-1996

**Bachelor in Mechanical Engineering
Madurai Kamaraj University, Madurai,
India**

1996-1997

**Post Graduate Diploma in Plastics
Engineering
Central Institute of Plastics
Engineering Technology (CIPET,
India)**

Courses

2018

**PMP (Project Management
Professional) Certificate no. 2280751
PMI**

Work Experience

Jun.2023 to Till date

Medical Device Development

Biocon Biologics Ltd, Bangalore

Tasks / Responsibilities

- Developing Medical Devices collaborating with external Manufacturing partners.
- Product includes Insulin Pen Injectors, Auto injectors, On-Body connected devices
- Ensuring the product meets Regulatory requirements
- Managing a team of size of 15 members

May2019 to May2023

Lead – New Production Introduction & Supplier Development

Philips Healthcare, Netherlands

Tasks/Responsibilities

- New Product Development
- PPAP, APQP
- Controls the industrialization project budget and project progress, evaluates all project initiatives as to feasibility, costs/benefits and added value, takes corrective actions when necessary and generates adequate reporting.
- Leads the industrialization project, within the project budget and program strategy, in terms of quality, money, time, information and organization, monitoring progress and managing external resources.
- Manages own project with accent on realization of one main process, including setting strategic direction.
- Regular follow up with supplier for Tool development, Component qualification, Testing and approval.
- Directs employees and gives them operational guidance, both technically and organizationally.
- Carry out Supplier process capability assessment for new projects.
- Handle Quality complaints, Interact with suppliers in finding Root cause, corrective / Preventive actions.
- Windchill PLM

Nov.2012 to 2019

Specialist – NPI & Supplier Development

Hewlett Packard Enterprise, Bangalore, India

Tasks/Responsibilities

- Review CAD drawing (Creo) for Manufacturing feasibility, Value Engineering, Component

costing and interact with suppliers based in China to get the product at best cost.

- Review Quote and Negotiate with Supplier.
- Regular follow up with supplier for Tool development, Component qualification, Testing and approval.
- Responsible for Plastics, Sheet metal, Die casting, Foam & Packaging (Mechanical Commodities).
- Carry out Supplier process capability assessment for new projects.
- Support improvement activities in root cause analysis findings, and implement counter-measures at supplier end to ensure smooth supply of parts.
- Actively Drive Cost Reduction Opportunities by Exploring Alternate Supplier, Alternate material etc. to get the product at optimized cost.
- Responsible for Project Network - Regular follow up with Design Team, Suppliers, Procurement, Quality, Finance & Marketing, do risk assessment with mitigation plan for timely delivery of the project.

Key Achievements:

- Expensive, Labor Intensive Powder Coating process replaced with Molded Plastic Bezel Thereby saving \$1.2 M annually.
- Die cast, Powder coated handle replaced with Polycarbonate molded handle by modifying the design.
- Optimized Sheet metal Tooling spends considering Stage tool, Progressive tool and soft tooling.

Mar 2006 – Oct.2012

Lead Design Engineer – New Product Development

Tata Elxsi Ltd, Bangalore, India

Tasks/Responsibilities

- New Product development
- Hands on experience with high volume manufacturing and New Product introduction.
- Review Product design for Manufacturing feasibility and make necessary changes / improvements to achieve cost effective solution.
- Interact with Designer & Tool Makers in different parts of the world to develop high complex Plastic Injection tools.
- Develop multi-cavity Plastic Injection mold development with tool makers based in China, Singapore, Germany and Canada.
- Handle different hot runner systems like Husky, Mould Masters, Yudo etc.
- In-depth knowledge of different polymer materials (PP, PC, SAN, PA, PC-ABS, PET etc.)
- Attending various tooling trials and qualify tools and components.
- Develop rapid prototype, Pilot tooling & multi-cavity production tool by interacting with tool makers.
- Validate new materials and process.
- Exposure to sheet metal stamping & Die casting manufacturing process.
- Excellent Problem Solving skills
- Interpret Mold Flow Analysis results and recommend improvements in product design.
- Interact with cross-functional team (R&D, Marketing, Purchase)
- Software skills-Pro-E / Creo (Solid modeling) [To modify part design for manufacturing]
- Co-ordination & Followup through weekly telecons & Web-Ex.

Oct 1997 - Mar 2006

Senior Engineering – Manufacturing (Shop floor)

Manufacturing Companies

Have worked in manufacturing companies as a supplier of Automobile and Home Appliances components. Major supplier to companies like Hyundai motors, Toyota Motors, Visteon Automobiles. Whirlpool India.

Tasks/Responsibilities

- Handling Various Injection Moulding machines from 350 tonns to 1300 tons
- Production Planning and control
- PPAP, APQP
- Statistical Quality control, PPM Control (Achieved 100 PPM for Hyundai supply)

- On-Line Rejection Control
- Mold modifications and improvements
- Implementing QS 9000 system and follow-up of documents like SQC, PPAP, APQP
- Trouble shooting and giving action plan for customer quality issues.
- Processing different plastic materials like PP, ABS, PC, Nylon, PA

Projects Handled:

Breakage problem in Trim Center Pillar for Hyundai Motors

- Root Cause Analysis, 5whys, Fishbone diagram,
- Problem definition, Root case analysis, corrective and preventive action.

Run out / Face out in Radiator Fan (Tata Motors), [Material: Glass Filled Nylon]

- Root Cause Analysis, 5whys, Fishbone diagram,
- Problem definition, Root cause analysis, corrective and preventive action.

Languages

English – Fluent
Hindi – Native
Tamil - Native
Sourashtra – Native

Hobbies

- Listening Music
- Playing Badminton & Swimming