



Product Management; Project Management; Lean 6 Sigma; Process Management; New Product Development

Dynamic, proactive, goal-oriented, Innovative, accomplished & self-motivated professional with 5 years of work experience in Program Management, Manufacturing Engineering and Customer Services Technology, end-to-end Concept Product/Process Development, Design-Production interface, Process Roadmap Creation, Stakeholder Management, Training & Development and People Management with proven track record of delivering consistent technical and business results through Adept Leadership and application of sound Technical Management practice

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### Core Competencies

Project / Program Management	Operations Management	Strategic Decision Making
Lean 6 Sigma / DMAIC Problem Solving	Product Management and Process Road Map	Business Analysis
Simulation of Business Systems	Analytical Thinking & Problem Solving	Operations Research
Team Building and Leadership	Business / Operations Interface	Intrapreneurship

### Profile Summary:

#### Project Engineer: TATA Advanced Systems: Bengaluru (May'17-June'23):

- ❖ Lead Engineer engaged in **Manufacturing Readiness Level and Design / Technical interface** for Rolls-Royce Aero Engine Composite components
- ❖ Reading and Interpretation of Engineering Drawing for creation of BOM, Routing, **Technical Data packages**, Manufacturing plans, Work Instructions and SOP's to ensure **strong Process and Product Planning into Manufacturing Process & Systems**
- ❖ Engaged in analyzing the **Change Impacts for the Configuration Management & implementing the Engineering changes** by considering all the factors into account
- ❖ **Coordinate with CFT's for Manufacturing Readiness Level & Qualification plan** of parts & assemblies for Rolls-Royce projects- NPD / SP throughout the PLC
- ❖ **Controlling the process and operational risks** through preparing Process Flow Diagram, PFMEA & Control Plan **with cross functional teams for preventing the defects** through implementing CAPA and Poka-Yoke
- ❖ Preparing Rolls-Royce Engineering records such as Change Record, Source Change Control and Approval, Method Verification Approval and **conducting validation activities as per OEM comments**.
- ❖ Part of **Continual Improvement team and achieved cost reduction targets in coordination with the CFT**
- ❖ Coordinated **management reviews with CFT heads** to ensure progress as per LRP
- ❖ **Carrying out Root-cause analysis & Implement counter measures** improve processes achieving zero-defects
- ❖ **Identification of root cause analysis** of technical problems through why-why analysis and Cause-Effect
- ❖ Performing **Statistical analysis to resolve issues** with the help of pareto analysis
- ❖ **Reduction of cycle time** through process optimization of tools and fixtures
- ❖ Generating **Supplier Management Requirements Data sheet** to suppliers for CMS
- ❖ **Supervising as team lead** of trimming and sanding cell of aeroengine composite parts .
- ❖ **Managing workflow** Managing workflow by defining goal, **achieving goal** within given dead line
- ❖ Implementation of **Total productive maintenance, Poka yoka and lean management**
- ❖ **Eliminates potential health and safety risks** , resulting in a safer workplace, Specifically targets the goal of an accident-free workplace.
- ❖ Creating **Value Stream Mapping** for individual products, identification of bottleneck and **improved the flow** for separate products

- ❖ Formation of lean cells with utmost space, capacity and employee productivity to avoid wastes
- ❖ Drastically improved the employee productivity and man-hours by SWCT and yama zumi methods
- ❖ Part of Operations Dept driving the development & implementation of QMS to improve the process & product quality
- ❖ Exhaustive planning and management of projects. High project diversity with 6 Sigma to Lean Management & Cost Reduction
- ❖ Optimized the overall throughput time of the products by application of SMED
- ❖ Formation of PDCA charts for weekly review of the promised targets
- ❖ Reduced process scrap (rejections) through process analysis, Kaizens, MSA, Gage R & R and SPC
- ❖ Analyze manufacturing & quality cost curves every day & devise future plans if any deviation & align with features
- ❖ Derive managing & check points for the Quality Assurance department from the overall company policy and objectives



### Project Highlights:

- ❖ Spearheading the end-to-end Product / Process Development including Program / Project Management, Design & Development, APQP Deployment, Product / Service Delivery Management, Post-Production Technical support, Product Training & Development and People Management
- ❖ Rolls-Royce: FAP's parts: Implementing Co-Curing process by conducting PFMEA, Cut Section Analysis and Cp, CpK
- ❖ Rolls-Royce: TXWB-97K Engine Noise Reduction-Controlling the Reticulation hole blockages in the FAP's and achieving Spike Length in the Core by using DOE, Partial Factorization, SPC and Value Engineering and Value Analysis
- ❖ Rolls-Royce: TXWB-EP: On-time Manufacturing & delivered AOG critical development parts & got appreciation
- ❖ Roll-Royce: PFD/ PFMEA / CP: Completion for components of T1000, T1000-TEN, T7000, TXWB-84K LOTiS Engines
- ❖ QCC Project-Productivity Improvement-Hourly output from 8units to 10units in Compressor by conducting DOE
- ❖ KAIZEN: Incremental Innovation in DAF-Filter Bracket by performing Value Engineering resulted in saving man hours
- ❖ Industrial Project: Reduced the "takt time" in Shaft PTO drive part through conducting "Value Engineering and Value Analysis".
- ❖ Making OTIF and throughput for production line with real time planning



### Skills:

<b>Business</b>	Production Interface, KPI, BSC, Operations, OPL for eliminating the customer complaints , making 8D RCA and maintaining 7 quality tools.
<b>Project Management</b>	End to End Process and Product Delivery; Milestone achievements, GANTT chart; Concept to Reality; Product Life Cycle Management
<b>Technical Management</b>	Design; Manufacturing; Supply Chain; Production Planning; Delivery
<b>Leadership</b>	Program Management; Product and Process Management
<b>Operations</b>	Materials Optimization; Industrial Engineering; Value Engineering
<b>Manufacturing</b>	Materials; Process; Product; Business Process Reengineering
<b>Process Excellence</b>	Six Sigma, Lean, Toyota Production Systems
<b>IT Skills</b>	SAP, MS-Word, Excel, PPT, Minitab



### Academic Details:

- ❖ B.E. (Mechanical Engineering)- Birla institute of technology and science pilani-CGPA: 70
- ❖ Diploma in mechatronics – Rd tata technical institute (NTTF)- 72%
- ❖ Completed SSLC from Kerala Public school , Kadma, Jamshedpur – 62%



### Achievements:

- ❖ KET' Level-1 certified Project Engineer- TATA Advanced Systems
- ❖ ISO 9001 and AS 9100D Internal Auditor-TATA Advanced Systems
- ❖ SAKSHAM BLUE Belt-TATA Advanced Systems & SAKSHAM GREEN Belt-TATA Advanced Systems
- ❖ Best Daily Work Management-Total Quality Control
- ❖ I Six Sigma Green Belt-AU-TVS Quality Management; Six Sigma Black Belt-TATA Advanced Systems / USTAD



**Personal Details:** Date of Birth: 30th January, 1991; Languages known: English, Hindi, Kannada ; Hobbies: Cricket, Badminton, Trekking and Stamp Collection