# **M. RAMRAJ**

No. 16, Kavayakalli Amman Nagar, S.S .Kulam, Kovilpalayam, Coimbatore - 641107,

Contact: +91-83003 28646; E-mail: ram87mech@gmail.com Date of Birth: 10th Dec 1987

## **MANUFACTURING ENGINEERING NEW CAR DEVELOPMENT - AUTOMOBILE INDUSTRY**

Dedicated, resourceful and innovative Engineer with B.Tech. (Automobile), offering **14.3 years** of experience in **Quality,** **New Car Project Planning & Development in the Automobile Industry**; Previously spearheaded as Senior Executive with Hyundai Motors India Ltd.

**→** Demonstrated professional excellence in project & product planning, scheduling, monitoring, and execution of projects without incidences of time/cost overruns proven ability in giving product development specifications to design teams for compliance adherence.

**→** Key competencies in **Line Input Feasibility Study & Planning, Project Schedule Preparation, Drawing Study & design improvement proposals (L, Proto, Pilot stages), Budget Planning & Preparation, Equipment planning sheet preparation (Jig, Robot, Welding Gun, Sealer, EMS Etc.), Process Sheet Preparation, procurement of equipment’s & materials, Equipment inspection & Quality Confirmation, Equipment install & Line Try-out, End item spec study & Part Preparation, Sub Material standard Preparation, cycle time reduction & productivity improvement, New Car Body Quality Achievement, preparation of FMEA, Control Plan, Process Flow Charts, Work Standard Sheets, Effective Floor Space Utilization & Effective Negotiation Skills, Start of Production Stage Line stabilization & Cross functional team activities.**

**Achievements:**

**Improvement Activities:**

* Installed Servo Auto Welding gun to improve weld quality & reduced Spatter.
* Made Manual Sealer Application - Robot Sealer Application.
* S/Sill Loading & Welding Automation
* S/Outer Oil Application Automation.
* Door Hanger System Installation (Worker Fatigue)
* Trunk Lid Jig Localization
* Multi Hanger Installation (9 Nos)
* Layout modification - Safety

**Core Competencies**

New Product Development (Car) / Process Management Service Engineering/Operations - Cost Rationalization - Project Execution - Defect / Root Cause Analysis - Product Development & Testing - Training & Development - Client Servicing Resource Management - Troubleshooting Spares Management / Repairing Faults Analysis Product Quality Improvement - Customer Relationship Management - Technically competent ~ Cross-functional Coordination

**PROFESSIONAL EXPERIENCE**

**HYUNDAI MOTORS INDIA LTD.**

**Senior Executive - Passenger Car Manufacturing Engineering - Body & Planning Nov 2010-Sep 2022**

* Spearheading efforts as Senior Executive Manager (Passenger Car Manufacturing Engineering - Planning & Body); responsible for preparing new product layout & improving the existing layouts for optimum utilization of man, machine & floor area.
* Preparing Design Change proposals for new models (Initial Stage) related to Existing Equipment Condition & Existing Model Quality Problems (Chronic Issues) Sending to HMC R & D.
* Equipment Planning Sheet Preparation & Confirmation with Factory Automation team.
* Sub Material & Man-hour Standard Preparation for New Models.
* Handling procurement of material (knowledge on import of material-co ordinate with purchase, traffic & customs), preparation of bill of material, quotation comparison, cost negotiation, purchase request release, payment release and follow up, including preparation of drawings, bill of material and quotation for carrying out comparison.
* Carrying out New Car Production & achievement of Quality by studying I/F, CMM reports and doing in house & vendor end jig correction, handling New Equipment installation & stabilization.
* Accountable for preparation of line balancing sheet, work standard sheet, model identification sheet for new model launch and scheduling preparation of the project activity.
* Planning, preparation & maintaining of master records related to new product launch.
* Maintain coordination with purchase, costing, business planning, traffic & customs for procurement of equipments for new model launch.
* Responsible for capacity planning based on requirement laid by marketing team. Coordination with the designer about the equipment suitability to the existing setup.
* Arranging facility arrangement for new car mass production; conducting training for the workers about process and working of the new machinery.
* Oversee all phases of New product development; approve engineering/design changes, troubleshoot and resolve complex technical problems, consistently meeting project deadlines & highest possible quality standards Project Basic Plan/Investment Proposal Report Preparation, Production Preparation Plan (4M, Install Plan) Equipment Preparation status & Project Activity Status Report Preparation (T-SOP)
* Capital & Revenue Budget Planning, Monitoring & Handling

**PREVIOUS EXPERIENCE**

**Delphi - TVS Diesel Systems Ltd.**

**Technical Assistant - Quality Engineering - Assembly & Testing Jul 2008 Nov 2010**

* Daily Line Audits : Product & Process Audits/ Cleanliness Audit/ Poka- Yoke Audit/ Final Inspection.
* Process Capability Study, Process Revalidation Monitoring
* Layout Inspection & Monitoring the Product Quality
* Daily Rejection Aanalysis, Taking Actions & Effectiveness Monitoring
* Preparation of Work Instructions & Training Given to the Operators and Identification of training needs for the Team Problem Solving through QC Story
* TPM Activity: Kaizen Implementation, Poka-Yoke, Why-Why Analysis, 5S Concept
* Daily, Weekly, Monthly Rejection Report Preparation

**EDUCATIONAL CREDENTIALS**

* B.Tech. Part Time (Mechanical), 2014 SRM University, Chennai; **CGPA 7.704 %**
* DIPLOMA (Mechanical), 2008 Central Polytechnic college, Chennai; **84.71%**
* XII, 2005 Govt. Higher Secondary School, Thellar; **76.6%**
* X, 2003 St'anns Higher Secondary School, Tindivananm; **84.8%**

**Computer Proficiency:**

**MS-Office**, **SAP, Auto Cad,** Catia.

**Languages Known**: English, Tamil.

**Declaration:**

 I hereby declare that the information presented above is true and correct to the best of my Knowledge.

Date : Yours faithfully,

Place (M.Ramraj)