

## M. RAMRAJ

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### MANUFACTURING ENGINEERING NEW CAR DEVELOPMENT - AUTOMOBILE INDUSTRY

- ⇒ Dedicated, resourceful and innovative Engineer with B.Tech. (Automobile), offering 10.7 years of experience in New Car Project Planning & Development in the Automobile Industry; currently 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 equipments & materials, Equipment inspection & Quality Confirmation, Equipment install & Line Tryout, 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
- ⇒ New Technology Implementation :
  - MFDC T/C Installation
  - Auto Tip Changer Installation
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#### 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

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### PROFESSIONAL EXPERIENCE

#### HYUNDAI MOTORS INDIA LTD.

Nov 2010 – Sep 2022

Senior Executive - Passenger Car Manufacturing Engineering – Body & Planning

- ⇒ 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), 2009 SRM University, Chennai; CGPA 7.704 %  
 DIPLOMA (Mechanical), 2008 Central Polytechnic college, Chennai ; 83.83 %  
 XII, 2005 Govt. Higher Secondary School, Thellar; 76.6 %  
 X, 2003 St'anns Higher Secondary School, Tindivananm; 84.8 %

**Computer Proficiency:**  
 MS-Office, 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.

Yours faithfully,

(M.Ramraj)

