

# PRAMOD MALI

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## CAREER OBJECTIVE

Highly enthusiastic, keen to innovate, and always willing to accept new challenges pertaining to design engineering and product improvisation and am looking for suitable opportunities in the same. Willing to be a part of a work environment wherein innovation, technology, and environment engineering is blended well to make new designs or products.

## SYNOPSIS

- ⇒ Experience in New Product Design (NPD) & Development of Plastic, Rubber and Sheet metal parts of, Benchmarking competitor products, Concept development of NP, Developed new concepts & Development of New & customised Product, Vendor interaction, Quality improvement, ECN implementation, Testing and validation, Reliability etc.
- ⇒ Proficiency in coordinating with the vendors, enhancing their process operations thereby achieving the required quality level in the supplies, Design parts with minimum tooling investment.
- ⇒ Good Managerial, Technical, Functional, Team management and Interpersonal skills.

## CORE COMPETENCIES & ACCOMPLISHMENTS

- ⇒ Successfully reduced **INR. 0.64Cr** yearly saving (**64 pound per machine**) in 7&9 Ton site dumpers under VAVE with improving NVH performance of machines.
- ⇒ VAVE done of 3T site dumper by saving **50 pound** per machines (**yearly INR.0.3Cr**)
- ⇒ Rendering technical support to assembly line, Quality, Technology and allied departments.
- ⇒ Benchmarking and Product improvement to reduce cost for existing & new products.
- ⇒ Define the testing requirement for local components on test bench and vehicle level.
- ⇒ To modify existing Design model by using cad software like Unigraphics-NX-12, Catia-V4/V5, AutoCAD, Pro/E wildfire-2.
- ⇒ Value analysis and value Engineering of automotive components-VAVE.
- ⇒ New Program Launch APQP management, to ensure the supplier meets timeline and completes all required processes till the PPAP submission.
- ⇒ CMMI V2.0 Implementation and monitoring activities in Design center.

## WORK EXPERIENCE

### 1) JCB India Limited, Pune

**Deputy Manager since Sept 2014**  
**Design Centre**

- ⇒ Working of Design of Loadall machine IN UG NX-8.5 and TEAMCENTER 8.
- ⇒ Reverse engineering of machine parts of old projects/Benchmarking by using Artec 3D scanner, conversion in Parametric model in UG NX.
- ⇒ Designing of New Generation CAB for Faranna Machine (Concept) with benchmarking and customer feedback study.
- ⇒ Concept design of Dashboard, console parts to meet JCB/ISO standards requirements.
- ⇒ Ergonomic study of Cabin as per JCB/ISO guidelines/standards.
- ⇒ Reverse engineering/Modifications of competitor's vehicles and Generate New Design concept.
- ⇒ Packaging and vehicle integration of new soil compactor vehicles.
- ⇒ Localisation and development of NPD parts for proto/pre-series build.
- ⇒ Technical interaction with supplier for product development.
- ⇒ Working in UK for Dumper machine bodywork and Cabin design.
- ⇒ Design and developed bodywork, cabin for Hi-Viz Dumper (new product)
- ⇒ Interact and visit UK supplier for body stamping panel's development, Modified design as per tooling/CAE requirement.

- ⇒ Minimising tooling cost (pressing) by communising parts throw-out all variances.
- ⇒ DVPSOR/Validation plan preparation with testing department for machine validation.
- ⇒ Proto/validation build issues resolution with India and UK team.
- ⇒ Documentation of DVP/SOR/ISO/EU requirements (machine/component level) for technical review meeting with CFT, Supplier and UK Technical team.
- ⇒ **UK visits for 3 months (Jan-17 to Apr-17)** for design and development Dumper bodywork (pressing Bonnet and rear panel) as per styling requirement, developed with ADM supplier using UG surface modelling.
- ⇒ **UK Visit for 3 months (Mar-18 to Jun-18)** for 1T/3T site dumper Engineering signoff, production and assembly issues resolution for SOP
- ⇒ Provide assembly guidance and assembly support to UK site dumper plant, Resolved Part quality and assembly issues in UK assembly line.
- ⇒ Finalisation of SOP with Production team for 1T/3T site dumper also Resolved testing and Reliability issues for defect free production.
- ⇒ Providing current production support/Maintenance to 1/3/6/7/9T capacity site dumper in UK plant.
- ⇒ Supporting current UK production for site dumper for quality, Assy issues, Homologation requirements for European countries
- ⇒ Generation and implementation of VAVE, weight and cost reduction ideas to UK CFT team.
- ⇒ Design and development of CAB roof liner, flooring mat, interior hard and soft trims parts.
- ⇒ Vehicle Combi master (marketing grid), Product Grid updates according to Version's and features (Optional).
- ⇒ Working on concept and design changes in Body and packaging for compactor Stage-5 project.

## **2) FIAT-CHRYSLER INDIA AUTO. LTD. Assistant Manager Sept 2006-Sept 2014 Engineering & Design Department**

- ⇒ Design & Development of Interior Trims like Parcel shelf, Foam Parts, gaskets, Hatch pad, Dashboard, Doorpads, Glasses and other plastics parts, A-B-C trims, NVH parts (Carpets, Insulations, foams, melt sheets, plugs), etc. by using UG NX8.5 & CATIA V4 CAD Software.
- ⇒ Design of Fuel pipes, Engine mounting bracket and Packaging study, Oil pipes and piping layout design by using Catia V-4 CAD.
- ⇒ Design and Development of chassis parts like Brackets, Palio pedal assembly etc. and its prototype testing.
- ⇒ Generating concept as per requirement and Involve in Customisation/Localisation/Proto build of above parts.
- ⇒ Work on field complaints issues (After sale) on parts & take necessary action to modify part to resolve quality problem.
- ⇒ Conducting DFMEA, Mould flow Analysis & CAE analysis for interior parts.
- ⇒ Regularisation of design, process changes on part through engineering modification note, update bill of material (BOM) in local system Co-Dep and uploading Cad in Iman.
- ⇒ Verify the fitment of first moulded parts in pre-series cars production.
- ⇒ Design and Development of Proto sample for proto cars, Concept freezing & signoff.
- ⇒ Check the manufacturing and Assembly feasibility of parts
- ⇒ Parts Development time and Validation/Testing processes management with CFT.
- ⇒ Conduct Design Review meetings with supplier and toolmaker before TKO meetings
- ⇒ Conduct Root cause analysis and brainstorming session on field failure issues, Warranty failure issues and new change requirement to cope with competitors.
- ⇒ Management of VAVE Workshop's activities to generate discontenting ideas and cost reduction proposals.
- ⇒ Implement VAVE proposals to ensure a cost-effective design without compromising on quality and safety. Check the feasibility of product improvement proposals originating from Fiat poles outside India.
- ⇒ Knowledge of vehicles Integrative testing as well as component level testing of above plastic components.
- ⇒ Work in CFT team to resolve the JD power quality issues.

- ⇒ Finalisation of product/component & Vehicle level testing along with testing department.
- ⇒ Providing Technical information to process technology for finalising process sheets.
- ⇒ Preparation of Proto samples, evaluation and its functional testing.
- ⇒ Worked on Linea/Punto FL projects for Interior & Exterior trims
- ⇒ Successfully completed Door Closing efforts reduction project for Linea/Punto models as per JD power feedback.
- ⇒ SOR and DVP created for Door pad, Door latches, window regulator, door check, Parcel shelf, AC vents etc.

### **3) Flat Product Equipment's Pvt. Ltd**

### **Trainee Engineer Apr 2006–Sep 2006 Design Centre**

- ⇒ Worked as Design trainee engineer.
- ⇒ Developing G.A., Assembly, sub assembly drawings, Details & Piping/Ducting drawings.
- ⇒ Prepared of bought-out specifications, Approving Vendor's drawings.
- ⇒ Calculating the details of foundation & selection of standard components.
- ⇒ Doing fundamental and detail calculations for the project.
- ⇒ Managed drafter's team within specified time.
- ⇒ Selection of standard parts like Bearing, pump, blower etc.
- ⇒ Design of Process Machineries like Entry/Exit shears machine, Deflector roller, Centrifugal blower assy etc.

### **ACADEMIC**

- ⇒ B.Tech in Mechanical engineering from Dr. Babasaheb Ambedkar Technological University, Lonere in May-2005.
- ⇒ ITI & NCTVT (Refrigeration and Air condition mech.) From **Larsen and Toubro Ltd. Powai**, from 1996 to 1999 with scored 80% marks.
- ⇒ HSC (12th science) from Vikas Junior college, Vikroli in May-2001.  
SSC from Royal High school Kalyan in May-1996.

### **EXPOSURE TO**

- ⇒ Pro-E wildfire 2.0, Unigraphics NX8.5, Catia V4/V5, AutoCAD 2000, Ansys V8, MS office
- ⇒ Bill of material management tool (CoDep), Teamcenter-8, SAP-PS. SAP Module- Purchase request, Project request, GRN, SES, Budget tracking, Material creation, etc.

### **SEMINARS & TRAINING ATTENDED**

- ⇒ Training on Unigraphics NX4 from UGS Pune.
- ⇒ Training on Catia V5, Pro-E wildfire 2.0, Autocad-2000 and Ansys (V8) From ECIT Thane.
- ⇒ Trained in CATIA V4 by EDS Technologies, Bangalore.
- ⇒ Training of SAP-PS.GD&T, Vehicle Dynamic from ARAI

### **PERSONAL DETAILS**

Name : Pramod Vikram Mali.  
Sex : Male  
Marital Status : Married  
Current Address : Chinchwad, Pune.  
Date of Birth : 2 Dec. 1980.

**Place: Pune**

**(Pramod Mali)**