

CURRICULAM VITAE

Mr. KHARCHE AKSHAY RAMDAS.

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OBJECTIVE

To achieve design engineer position in a challenging environment that focuses on the Design in Automobile, Plastic domain to achieve organizational as well as personal goals.

EXPERIENCE

- Total experience **5 Years in Automotive plastic domain.**
- Currently working as a Senior Design engineer in **MAHINDRA & MAHINDRA LTD PUNE.**

TECHNICAL SKILL

- Design of automotive interior plastic parts including feasibility study, B side attachments.
- Having knowledge of part design, Assembly Design, DMU Space Analysis, Generative Shape Design and Detailing of 2D drawing generation.
- Class A Surface feasibility Study.
- Checking Gap and Flushness of part with Environment data.
- Creation of Close Volume from A Style surface and maintain uniform wall thickness.
- B Side Features generation like Dog House, Snaps, Welding Cylinders, Clip Tower, Locators, Screw Boss, Ribs
- Main Tooling direction study of part and also find tooling direction for lifter and slider.
- Analysis of Class A surface and parts (Draft analysis, Clash analysis)
- Providing solution for undercuts and plastic defects like sink mark, Warpage considering, Root thickness.
- Locating of features on parts by considering RPS System with 3-2-1 Principle of locating.
- Extracting Parting lines for different parts and features.
- Checking part in DMU Analysis and consideration of tooling feasibility
- Surface Replacement – Replacing the surface of the part with new modified style by replacing the parent A surface with the new style.

SOFTWARE SKILLS

- CATIA V5R26, V5R28
- UNIGRAPHICS NX9
- MS OFFICE
- TEAMCENTER

INTERIOR PROJECTS

- IP - Gap and Flush
- Involved gauge design & gauge development activity.
- Involved in part CMM & gap flush report study

- PAB Unit Study
- Manufacturing feasibility, Packaging, tooling study
- Cockpit loading study
- Isostatism, fugal plan.
- Interface Sections
- IP Modularity Concept Packaging
- Gain exposure on product development which includes PDR, checking on gauges, study of CMM & Scanning Reports.
- Involved in ECN activity with proved mockup.
- Root cause analysis for actual parts.

INTERIOR PROJECTS

PREVIOUS EMPLOYER DETAILS

- **Company Name:- VIRTUAL SIMUTECH PVT LTD,PUNE (8 may 2018 to 30 July 2021)**
- **Experiance:- Worked 3.3 years as Design Engineer,**
- **Description: -**
 Worked in **SMRC Pune** on the payroll of **Virtual Simutech pvt ltd pune**.
 Worked on IP for VW programs and involved in Design & Development activities.

INSTRUMENT PANEL :-SKODA_216_SUV_RHD

- **Client Name:- SMRC automotive products pvt ltd,pune.**
- **Tool Used :- CATIAV5R26,**
- **Description: - Upper IP, Scoop Inner, Light Switch Carrier, Retainer.**
- **Responsibilities: Design & Development**
 - Developing close body following the section and updating the solid body with maintaining packaging constraints.
 - Developing features according to isostatism for locking parts.
 - Maintaining its gap and flushness with child parts according to fugal plan. Preparation of deployment study of airbag and preparation of scoring line in actual cad.
 - Providing solutions for tooling feasibility considering plastic design study and vehicle styling.
 - Loading study for part and also checked clash and clearances. Draft analysis study on the final body using main tooling.
 - Made feasible for surface welding and rib welding maintain packaging constrains. Done loading study with cluster meter and bezel.
 - Determined the flushness issue on proto and eliminate it.

INSTRUMENT PANEL :-VW_216 _SUV_RHD & LHD

- **Client Name:- SMRC automotive products pvt ltd,pune.**
- **Tool Used :- CATIAV5R26**
- **Description: - Scoop Inner, Retainer, Air Channel, Air bag lid.**
- **Responsibilities:**
 - Feasibility Study of 'A' Surface with given Tooling directions.
 - Developing close body following the section and updating the solid body with maintaining packaging constraints.
 - Developing features according to isostatism for locking parts.
 - Maintaining its gap and flushness with child parts according to fugan plan. Preparation of deployment study of airbag and preparation of scoring line in actual cad.
 - Providing solutions for tooling feasibility considering plastic design study and vehicle styling.
 - Loading study for part and also checked clash and clearances. Draft analysis study on the final body using main tooling.

INSTRUMENT PANEL :-VW_271 _NB_RHD & VW_271_NB_LHD

- **Client Name:- SMRC automotive products pvt ltd,pune.**
- **Tool Used :- CATIAV5R26**
- **Description: - Air Channel with integrated lower ADE, Air bag lid, Air Distribution Element, Scoop Inner,LH & RH Duct etc.**
- **Responsibilities:**
 - Preparation of draft analysis report and tangency error report for A input style
 - Creation of Close Volume and adding fixations as per RPS System.
 - Added the fixation as per environment parts.
 - Design the B-side features (snap, dog house, locater, supporting ribs etc.) & considering undercuts and the use of lifter and slider.
 - Checking all parts before delivering to customers as per check list for draft analysis, tooling feasibility, gap & flush, and clash analysis.
 - Developing different proposal for Fixation & location based on tooling feasibility and implementing these concepts with respect to environment parts.
 - Checking loading and unloading of parts with all environment parts.

SOFT TRIMS:-CARPET & NVH

- **Client Name:- TATA TECHNOLOGIES LTD,PUNE. (05 Aug 2021 to 24 Aug 2022)**
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- **Tool Used :- CATIAV5R26**
- **Description: - Carpet, Trunk insulation ,Foam, Inner insulation & Outer Insulation**
- **Responsibilities:**
 - Preparation of draft analysis report and tangency error report for A input style
 - Creation of Close Volume and adding fixations as per RPS System.
 - Added the fixation as per environment parts.
 - Checking all parts before delivering to customers as per check list for draft analysis, tooling feasibility, gap & flush, and clash analysis.
 - Developing different proposal for Fixation & location based on tooling feasibility and implementing these concepts with respect to environment parts.
 - Checking loading and unloading of parts with all environment parts.

CURRENTLY WORKIING

SOFT TRIMS:- IP & CONSOLE

- **Client Name:-MAHINDRA & MAHINDRA LTD,PUNE. (1 Sept 2022 to till date)**
- **Tool Used :- CATIAV5R26**
- **Description: - IP & Console System**
- **Responsibilities:**
 - Handling the IP and taking the follow up with supplier.
 - Proving solution to supplier on critical area.
 - Taking actual trial with supplier and finding out the solution .
 - Checking all parts before delivering as per check list for draft analysis, tooling feasibility, gap & flush, and clash analysis.
 - Developing different proposal for Fixation & location based on tooling feasibility and implementing these concepts with respect to environment parts.
 - Checking loading and unloading of parts with all environment parts.

EDUCATIONAL QUALIFICATION

Degree	University/Board	Percentage	Year of passing
B.E MECH	University of Pune.	72.33%	2016
H.S.C	Maharashtra state board	68%	2012
S.S.C	Maharashtra state board	78.00%	2010

PERSONAL DETAILS

- Date of Birth : 19 June 1994
- Gender : Male
- Nationality : Indian
- Languages know : English, Hindi, Marathi

DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date:

Place: PUNE, INDIA.

Akshay R. Kharche.