

RESUME

SWAPNIL PRABHAKAR ZOPE

E-Mail: swapnilzope1990@gmail.com

Mob. No +91-9921636922

+91-7972534526

Profile Summary:

- ❖ Total 4 years of working experience in design & development of Automotive Exhaust system, automotive and non- automotive plastic.
- ❖ Sound knowledge of design of products according to customer needs.
- ❖ Knowledge of designing of product according to tooling and assembly feasibility and changes needs to reduce manufacturing cost.
- ❖ Knowledge of sheet metal & plastic product design.
- ❖ Able to design components or products from concept design to final manufacture product.
- ❖ Ability to conceptualize and analyze complex design & quickly grasp new technical information.
- ❖ Participation in technical discussion, products & there exploration.
- ❖ Sound knowledge of designing of interior and exterior trim.
- ❖ CAD Tool- Catia R26, Key Shot.

Educational Qualification:

- ❖ Certified Design Engineer at CADD Centre, Aundh, Pune
- ❖ BE Mechanical at JSPM RSCOE, Tathawade, Pune

Core Competencies:

Design Engineering:

- ❖ Sound knowledge of Catia 3D Modeling, Assembly, Boolean, surfacing, sheet metal and DMU modules.
- ❖ Good knowledge of Engineering drawing, GD & T, Tolerance stack up analysis, Bill of Material.
- ❖ Reviewing the engineering/design changes and preparing cost reduction (VAVE) concept.
- ❖ Conversion of sheet metal product to composite material for light weighting and cost reduction.
- ❖ Sheet metal supportive brackets, heat shield, wire harness brackets and straps design, inlet/outlet cone, catalytic converter body shell, bending pipes, baffles, flanges etc.

Industrial Experience:

Current: **Faurecia Interior System India Pvt. Ltd**, Pune (Deputed by APPL Global InfoTech, Pune)
(From 4 June 2018 to till the date)

Previous: **Tenneco Automotive India Pvt Ltd**, Pune (GNS Engineering India Pvt Ltd, Pune)
(From 18 Feb 2018 to 25 May 2018)

Designation: Design Engineer (Exhaust System-sheet metal)

Customer: Volvo Eicher Commercial Vehicle

Truck: BSIV & BSVI (MDE8 and MDE5 Box and Switchback type System)

Bus: BSVI (MDE8 Box type System)

Chemical Vehicle: BSIV & BSVI (MDE8 and MDE5 U type System)

MAN Motors: Trucks (MDE8 BSIV Inline System)

Job Responsibilities:

- ❖ Design, development and placement of exhaust system for BSIV & BSVI engine to given boundary condition.
 - ❖ Studying the inputs for exhaust system, specification, material, surface temperature data, and hanger or mounting points on chassis.
 - ❖ Creating exhaust system catcon model as per the standard (SOR0 & submission of model for FEA, CFD and acoustics for details study after feedback modifications in design & iterations accordingly.
 - ❖ ATS communization for Truck and Bus to reduce repetitive work process.
 - ❖ Child parts communization with different vehicle ATS.
 - ❖ Material Selection by technical discussion.
 - ❖ Simple geometrical modification in part to reduce tooling cost and easy manufacturing.
 - ❖ Provide time to time outputs to customer and proto team to take their feedback to reduce manufacturing cost and to improve performance of ATS system.
 - ❖ Working with SAP and Cheops for creation of part No, BOM.
-

IIDENRT Design: (From 1 Aug 2015 to 15 Feb 2018)

Designation-Design Engineer (**Automotive and non-automotive plastic**)

Clients: Tata Motors Ltd: Seat Pan, Footsteps, Recliner cover.

Mahindra & Mahindra: Front and rear bumper.

- ❖ Conversion of sheet metal product in to composite material for light weighting and cost reduction.
 - ❖ Decision of selection of material, parting line, no of split, part thickness and draft analysis.
Bosch: Power tools, Drill Machine, JIG saw, Hot Air Blower
Crompton Greaves: Control Panel for submersible pump.
 - ❖ Studying the received plastic products there parting line, mold slider mechanism, materials.
 - ❖ Reverse Engineering of existing market model.
 - ❖ Creation of 3D model according concept sketches, design that can meet the customer needs and market competition.
 - ❖ Checking the feasibility of mold and draft analysis changes accordingly.
 - ❖ Aesthetics of plastic products, Smoothness changes accordingly, Plastic trim, surfacing.
 - ❖ CAD Drawing for prototypes & rendering in key shot pro.
-

Personal Details:

Name: Swapnil Prabhakar Zope.

Date of Birth: 26th Nov 1990

Marital status: Single

Local Address: C/o Moreshwar Bhagwan Patil, Madhuban Society, Shitole Nagar
Old Sangavi 411027.

I hereby assure you that all the information mentioned above is true to the best of my knowledge.

Date:

Place:

SWAPNIL ZOPE