

PERSONAL

Name
Hemanth J

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Date of birth
03-09-1994

Gender
Male

Nationality
Indian

Marital status
Single

HEMANTH J

Design Engineer with 3+ years experience in Plastics product design looking for a position to showcase my organization expertise backed by my educational background and ability to work as a team.



WORK EXPERIENCE

Nov 2017 - Present

CAD Engineer
Motherson Automotive Engineering and Technologies, Chennai

- Well versed in designing automotive plastic parts using CATIA Part Modelling, Generative Surface Design and Drafting Workbench.
- Developing Design features such as Bosses, Doghouse, Clip Towers, Ribs , Snap Fits etc., Considering manufacturing feasibility.
- Hands on experience in designing parts for 2K Injection moulding considering tooling requirements.
- To check clearing of part along with tooling direction using draft analysis.
- Working along with cross functional teams for design reviews.
- Updating design as per customer requirement considering manufacturing feasibility.
- Performing design activities on new and existing projects.
- Coordinating with team members and project members to meet customer requirements adhering to timelines.
- Interacting with process engineers to improve design and to modify it as per requirements.
- Possess strong problem solving skills and ability to analyze a problem from different angles and resolve.
- Good Knowledge in MS Office tools.



SKILLS

CATIA V5 in Generative Surface Design

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PROJECTS

Part Name: Air Guards:
Projects : KY, HHA

- Analyzing input skin surface / initial input model and updating with respect to tooling feasibility.
- Updating part considering clearance requirement with surround part and interface with mating part.
- Checking assembly feasibility with respect to surround part and assembly sequence.
- Updating part with additional strengthening features to meet stiffness requirement based on CAE Analysis results.

Part Name: Undercover:
Projects : KY, BN7i

- Studying initial input skin surface and updating it based with respect to tooling and customer requirement.
- Checking interface and gap with surround part and updating CAD to meet the requirement.
- Checking and updating part design to meet stiffness requirement for the customer based on CAE Analysis result.

- **Part Name: Cowl Top Cover and Side Piece :**

Projects : KY, RBC

- Developing skin surface based on input master section considering interface with surround data and customer requirement
- Study and ensure whether the part meets regulatory requirements with surround parts.
- Development of part with engineering features for assembly according to the requirement.

- **Part Name: Corner Cover :**

Project : RBC

- Developing interior plastic parts taking into considerations of gap and fitment requirements with the mating part and environment.
- In this my role is to study the part ensures part meet the regulation requirement with surrounding parts & developments of CAD with engineering features considering tooling feasibility and assembly operation.

- **Part Name: C-Pillar:**

Project: RBC

- This project involves in developments of Exterior C-Pillar Part.
- In this my role is to study input style surface for surface quality errors and whether they meet regulatory requirements.
- CAD Development based on surrounding environment parts with proper mounting structure in line with customer feedback.

- **Other Support Activities:**

Projects: RBC, XBA MY19

- Developing a parametric model from non-parametric model.
- Engineering design change activities and drafting activities.
- Developing the engineering features like bosses, clip towers, doghouses, ribs and snap fits etc...considering manufacturing feasibility.
- Check the draft to clear the tooling direction using draft analysis.
- Design reviews with interface teams.



EDUCATION AND QUALIFICATIONS

- Jun 2012 - May 2016 **Bachelor of Technology in Automotive Engineering**
Kalasalingam University, Virudhunagar
8.17 CGPA
- Jun 2011 - May 2012 **Higher Secondary**
SRV Excel Matric Higher Sec School, Rasipuram
78.25%