

SHARAVANAPRAKASH MA

DESIGN ENGINEER- 6yrs

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CAREER OBJECTIVE:-

An enthusiastic, flexible, self-disciplined individual seeking an opportunity to play a challenging and creative role with a commitment to company excellence

PROFESSIONAL SUMMARY

- Engineer with strong exposure towards Product Development activities backed with CATIA V5.
- Study and Design optimization of automotive products according to client requirements.
- Preparation of solid 3d models, assembly, drawings, GSD & sheet metal for the product specifications.
- Checking drawings for accuracy and errors.
- Flexible to work based on project demands.

COURSE UNDERTAKEN:-

CATIAV5,Unigraphics NX – from CADD Centre.

WORK EXPERIENCE:-

CURRENT EMPLOYEMENT:-

AUTOONE ENGINEERING SERVICE PVT LTD,
Deputed at TATA CONSULTANCY SERVICES CHENNAI.
Design Engineer
Department: BIW
March 2021 to Till now

PROJECT DETAILS: CC21 & CC24

Client : PSA.

ROLES & RESPONSIBILITY:-

- Updating 3D model as per customer requirements.
- Create welding as per manufacturing feasibility.
- Creating New ECO for design change and uploading 2D and 3D data in (PSA)PLM.
- Uploading spot weld data in customer portal(PSE WEB).

- Finally release the parts and assemblies through PSA PLM.
- Involved in FETE/ ECR/ISSUES creation and follow up till closing.
- BOM creation and updating as per current changes.

PREVIOUS EMPLOYEMENT:-

1) SEGULA TECHNOLOGIES INDIA PRIVATE LIMITED, Chennai-Tamil Nadu.
Deputed at RENAULT NISSAN BUSINESS AND TECHNICAL CENTRE
Design Engineer
Department: Research & Development.
June 2019 to March 2020

ROLES & RESPONSIBILITY:-

- Development of 3D models for client offered drawings.
- Design change for weight reduction
- Prepare the detailed drawing for designed parts for manufacturing requirements.
- Create welding connections for ongoing projects (LINX software).
- To check and update welding connections throughout the car body.
- Create the welding DWG & exploded views for production plants globally.
- Jalex activity (checking rules & consideration for developing parts).

PROJECT HELD:

PRODUCT NAME: FLOOR PANEL

- Worked on Designing of floor panel. Reinforcements were introduced to strengthen the floor panel for Indian road conditions.
- Assembled with the surrounding structures to check clash with the attributes.
- Prepare the detailed drawing for manufacturing requirements

2) PHAINDIA PRIVATE LIMITED , Chennai-Tamil Nadu.

Design Engineer

Department: Research & Development.

July, 2017 to May 2019 ,

ROLES & RESPONSIBILITY:-

- Ability to read and interpret engineering drawings.
- Responsible for Product Design & Development of Automotive parts and products with CATIAV5 CAD Tool support.
- Generation of 3D Models, Assemblies, Surface, Sheet metal and Details Drawings.
- Modification in drawings based on the change in process, material, design & customer requirements.
- Up gradation of components as per the result of proto samples fitment report.
- E.O change adaptation.
- Preparing Design timing plan and BOM creation.
- Developed sheet metal models and generated unbend drawings.
- Involved in IGS to Solid Conversions.
- Detailing preparation and model validation for solid models.
- Involved in data migration in PLM.

PROJECT HELD:

PRODUCT NAME: HOOD LATCH

Client : Nissan, Renault.

PROJECT DETAILS:

Customer Claim -Objective to Design a new hood latch to overcome the previous model.

Solution-Designed a new hood latch as per customer requirement and validated the parts through proto.

Work done-Based on benchmark study to evaluate the safety hook strength from existing projects by that analysis report designed the new safety hook lever with high strengthen.

PRODUCT NAME: SEAT LATCH

Client : Ford , LEAR

PROJECT DETAILS:

Customer Claim - Objective to Design a new seat latch to overcome the previous model.

Solution- Analysis the product work function & develop the mechanisms with environmental data

Work done- Design the product which following by guidelines with market product benchmarking. Benchmarked components are competitor products.

PRODUCT NAME: DOOR CHECKER

Client : Ford.

PROJECT DETAILS:

Customer Claim - Objective to Design a new checker arm to overcome the previous model & improve the less noise and good operating effort.

Solution- Design a check link and arm over mould through design calculation and kinematics for door opening and closing.

Work done- Supporting for modeling & drafting for check link, arm over & Assembly.

3) TLC Engineers, Chennai.

CAD Engineer from April2015 to June 2017

Project Overview

PRODUCT NAME: SLIDE RAIL FORCE DISTRIBUTION MEMBER

Client :SGI, Chennai.

PROJECT DETAILS:

At slammed open position, the door strikes the hard stop and thereby the vehicle body experience more stresses in the slide rail, risking increased wear and fatigue effects. It causes damage to the slide rail and hard stop also get damaged.

A force distribution member is developed and mounted between the outer body panel and inner body panel. Also, it distributes the force from the outer body panel to the inner body panel. The necessary sheet metal model development and detailing are done with CATIAV5.

PRODUCT NAME: SUSPENSION HANGER – STRENGTH UPDATION

Client :PAC, Chennai.

PROJECT DETAILS:

In the existing fabricated suspension hanger, the welds induce stresses into the model which leads to premature failure of the part. To overcome this issue, a cast model is prepared keeping the structural integrity of the former design.

The reinforced model is developed for straddle mount, under mount, flange mount, according to the casting

characteristics and 3D model and detailing are released with CATIAV5 Platform.

To reduce risk factors for lower extremity injury to the driver the displacement of pedal is controlled. A displacement control structure is updated to make the vehicle pedal to displace and reduce the load on the steering support member for the client offered existing model.

ACADEMIC PROFILE:

- B.E (Mechanical Engineering) | MAM College of engineering | 2014 | 61%.
- HSC | Alagappa matric Higher sec.school. | 2010 | 77.25%.
- SSLC | Alagappa matric Higher sec. school. | 2008 | 71%.

PERSONAL DETAILS:

Name : Sharavanaprakash MA
Father's Name : Manickavasagam P
Date of birth : 24-03-1993
Languages known : English, Tamil.
Address : D/O 583, Mulumathi street, periyar nagar karaikudi (P.O), Sivagangai D.T

DECLARATION:

I hereby declare that the above-mentioned information is correct up to the best of my knowledge and the above-mentioned are true.

Date:

Place:

(SHARAVANAPRAKASH MA)