

Naresh Moorthy

Assistant Manager (Product Design) Royal Enfield



Contact

Address:

72/1 Kasi Garden 1st Street,
Royapuram, Chennai – 600013.

Phone:

+9940257451 (Mobile)

Email:

mechnaresh007@gmail.com

Languages

Tamil
English

Hobbies

- Cricket
- Sketching
- Photography

Software Exposure

- Operating system :
Windows 7/8/10
- Documenting : **MS Office,
Power point & Excel**
- Designing Software :
**CREO-4.0, SOLID WORKS
,CATIA & UG NX**
- FEA: **CREO simulation**
- Data Management : **PLM**

Resume Summary

I am Assistant Manager, specializing in new product development. Experienced with Motorcycle product (like: Alloy wheel, Rear body, Seats, LED Light, Foot controls and Accessories), Pipe Line Valve, Fixture and surgical component design and development. Well-versed in numerous manufacturing process including Casting, Forging, Plastic, Sheet metal and fabrication. Strong back ground in project management, Project handling and supplier interaction with different contries like India,Uk and China.

Skill Highlights

- Project management
- Strong decision maker
- Complex problem solver
- Creative design
- Innovative
- Concept to detail Design

Education

Bachelor of Engineering: **Mechanical Engineering** - 2012
St.Peter's University, Chennai

Experience

Assistant Manager (Design Engineer) - 07/2017 to still working
Royal Enfield, Chennai

- Motorcycle component packaging parts design from concept to detail design and new product introduction.
- Discussion with ID team (Industrial design–studio team) for motorcycle styling requirement.
- Conducting design review with team to project the design intent and releasing approved design.
- Verify the homologation requirement of motorcycle product for different market (IND, US & Euro).
- Applying GD&T and Tolerance stack up to insure the functional requirement of product.
- Collaborate with cross functional teams, CAE, Sourcing, SQA and testing team to validate product and sort out the issues faced while product development.
- Value analysis and Value Engineering to reduce the cost and simplify the product.
- Creating component specification, component DFMEA, DVP, Testing Requirement and other technical design documents.
- Responsible for vehicle build stage of Alpha, Beta, pilot, SOP and sort out the issues faced while build.

Process Exposure

- Investment casting, HPD and gravity die casting process design requirement
- Sheet metal and Tube forming, bending & punching operation design requirement
- Injection Molding of plastic part design requirement and mold flow simulation report study
- MIG, TIG Welding
- CED, Powder coating & Aluminum Anodizing process

Areas of Interest

- Engineering Design & New Product Development
- Casting, Sheet Metal, Forging and Plastic Component
- Value Analysis and Value Engineering
- Manufacturing processes
- Problem solving and project management

Jr. Design Engineer - 02/2015 to 06/2017

DSM SOFT, Chennai

- Design of ball valve & double off set butterfly valve used to control flow of fluid in pipe line, Using ISO, API and ASME design standard
- Design fixture & lifting tackles for heavy vehicle chassis & truck body
- Conduct design review to project the design intent and get approval from top management.

Design Engineer - 07/2012 to 01/2015

GENERAL SURGICAL COMPANY PVT LTD, Chennai

- Design and Development in the surgical instruments & Implant.
- Design the Fixtures, Press Tools & Gauges for production of Surgical Instruments.
- Create the machining drawing, assembly drawings and bom.

Project Handled

S,NO	Product	Description
1	ALLOY WHEEL	Design and development of front and rear Alloy Wheel as per ETRTO standard. Supplier discussion for DFM .
2	TAIL TIDY (Rear body)	Design and developing rear body for motorcycle (mudguard, tail lamp mounting and number plate mounting) plastic & sheet metal component as per AIS, ECE & FMVSS Homologation Requirement
3	GRAB RAIL	Design and development of grab rail for motorcycle as per R44-EU-2014 standard requirement.
4	LED INDICATOR/ FOG LAMP	Design and development of LED indicator and FOG lamp as per AIS,ECE & FMVSS Homologation Requirement and Certification activity support.
5	SEAT/ BACK REST	Design and developing Seat and pillion back rest to provide comfort ride to Rider and pillion passenger by using material of plastic, foam, casting and vinyl.
6	SUMP GUARD (Accessories)	Design and developing aluminum sump guard by sheet metal component to protect engine sump
7	ENGINE GUARD (Accessories)	Design and developing engine guard by tube bend and fabrication process to protect engine and vehicle from side falling shock
8	PANNIER, & REAR RACK	Design and developing pannier rail to holding luggage on side of vehicle with stability to holding.
9	VALVE	Design of flow control Valve which used in oil and gas line (ball valve & butterfly valve) as per API & ISO
10	WELDING FIXTURE	Design fit-up locating fixture for welding block & bracket in chassis & truck body
11	M/C FIXTURE	Design fixture for machining casting parts used in truck chassis
12	IMPLANT & INSTRUMENT	Design and Developing the surgical instruments & Implant