

CURRICULUM VITAE

ANUJ SWAROOP SRIVASTAVA

Village & Post: Jarakhora Kala

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PROFESSIONAL SYNOPSIS: -

- Overall 8 years of experience in Design & Development in the automobile sector.
- Good Exposure in two-wheeler wheel design, packaging & Stack-up analysis.
- Good exposure to the design and development of the third-generation wheel hub for four wheels.
- Completing projects within an allotted time frame and within the specified budget.
- Linking and bridging conceptual ideas into sketches, CAD models and realization of actual products.
- Knowledge of Casting, Forging & Sheet metal parts design, Drafting & Manufacturing Processes.
- Knowledge of GD&T, DFM, DFA, DFMEA, VA/VE, CA/PA & Root Cause Analysis etc.
- Proven ability to work with any customer that drives customer requirements, increases performance and achieves the goal.

PROFESSIONAL EXPERIENCE: -

Simpleenergy Private Limited

Assistant Manager – (Research & Development)

26th Sep. 2022– Present

Major Project: - (Simple One EV Scooter)

JOB RESPONSIBILITIES: -

- Responsible for Designing & integrate the wheel system to meet the standard, Cost & Performance.
- Responsible for preparing and releasing the drawing that meets the quality standard
- Responsible for BOM management, Part & ECN release in the PLM (Teamcenter).
- Responsible for discuss with all the stakeholders like FEA Team, CFD Team, MBD Team to improve the design quality.
- Responsible for resolving problems identified in CAE simulation, manufacturing and testing.
- Responsible for resolving technical and other issues identified in all proto, media trail & MP events.
- Responsible for all the design reviews of all the Casting & forging parts like (Wheel, Grab handle, footrest and Side Stand, etc.
- Responsible for the selection of material, Surface coating (SST hours) & Heat treatment etc.
- Responsible for discussing with the supplier to close the feasibility of the part.
- Responsible for meeting all the homologation requirements.
- Responsible for Documentation like PPT, Design Calculation sheet, testing standards, Design Rules etc.
- Responsible for representing the Vehicle engineering team in the daily Morning meeting.
- Responsible for allowing the deviation in part during the Proto & Homologation vehicle build.
- Responsible for meeting the styling and as well as strength requirements of the part.
- Responsible for part communication and weight saving ideas.
- Responsible for checking part fitment of the part, ease of assembly process & Stack-up analysis.
- Responsible for design and part validation during the CAE, Proto and testing.

National Engineering Industries

Associate Manager – (Advance Product Technology, R&D)

29th Nov. 2021– 17th Sep. 2022

Major Project: -

Generation 3 wheel Hub Bearing Development:-

- Easy to mount due to the factory set preload.
- Attachment to the chassis and the fixing to the disc brake and the rim of the wheel by the flanges incorporated into the inner and outer rings.

JOB RESPONSIBILITIES: -

- Responsible to introduce new product that is not manufactured in NEI.
- Selection of product for benchmarking.
- Preparation of all the child part and assembly drawings and checking the feasibility of the Product at the supplier end.
- Responsible to get develop Gen_3 hub bearings.
- Responsible to arrange the Tools and dresser for the roll racer.
- Responsible for providing the CNC program for the grading wheel dressing.
- Responsible for assembling the bearing in the new line setup machine.
- Responsible for coordination with the supplier and all the stock holders to move the project.

Hero MotoCorp. (Onsite)

Design Engineer – (Research & Development)

1st Nov. 2017 – 12th Nov. 2021

Major Project: - (HERO XTREME 200R)

Design of Front and Rear wheel: -

- Analysis of input A Surfaces for Feasibility using CATIA V5 and highlighting A Surface issue.
- Draft analysis for avoiding undercut and core removal feasibility check.
- Constructing the part considering various packaging constraints.
- Feasibility of components, identifying and solving undercuts and their mechanism.
- Creating drawings and speculating the GD&T.
- Implementing VA/VE concept to reduce weight and maintain stiffness.

Design of Sprocket: -

- Calculation of sprocket Teeth design.
- Prepared Cad as per calculations by using Parameters, Relations and Formulas.
- Stress analysis by using SIMSOLID at the designer level.

Reverse Engineering of Flange: -

- Intelligent modeling of the Flange by using Parameters from the (.STL file).

HERO XPULSE

Design of Front and Rear wheel: -

- Sheet metal Rim, Spoke and Hub Design and packaging.
- Proto part preparation for the Mule vehicle build.
- Tolerance Stack-up analysis and TFC.
- Optimizing the design according to DFM and DFA.

Design of Adjuster chain: -

- Adjuster chain design and highlighting chain slackness issues.
- Calculation of Adjuster chain slot length for adjusting the chain.
- Stress analysis at the designer level.

Design of damper: -

- Optimizing the damper by using the VA/VE technics.

JOB RESPONSIBILITIES: -

- **TO DEVELOP A DESIGN CONCEPT AS PER REQUIREMENTS**
 - Prepared concept design of Wheel, Flange, Sprocket and Speedo cable routings etc.
 - Prepared manufacturing Drawings for the assembly and the parts with required tolerances.
- **ASSEMBLY AND STACK-UP ANALYSIS**
 - Involvement in assembly stack-up analysis and doing some stack-up study in 3D assemblies.
- **DFMEA, DFM & DFA**
 - Involvement in DFMEA, DFM & DFA activities in team.
- **GEOMETRIC DIMENSIONING & TOLERANCING**
 - Preparation of GD&T Drawings for part level and assembly level structures for the wheel.
- **REVERSE ENGINEERING**
 - Reverse engineering of different parts of the wheel. Making 3D models from scan data and making some concepts and feasibility studies.

Claas India Pvt. Ltd. (Onsite)

Design Engineer – (ES Department)

1st Feb. 2017 – 31st Oct. 2017

- CLAAS India Pvt. Ltd. is a leading Exporter, agricultural machinery manufacturer & supplier of tractors, Combine Harvesters, Round balers etc.

JOB RESPONSIBILITIES: -

- **GEOMETRIC DIMENSIONING & TOLERANCING**
 - Preparation of GD&T Drawings for part-level and assembly-level structures for Claas Tractors.
- **FIXTURE DESIGNING PROJECTS**
 - Designed a communized fixture interface for lifting the transmission assembly of different variants of tractors.
 - Cad data preparation for ROLL OVER PROTECTION Test rig and manufacturing drawings prepared for all the parts. (Welded Assembly and Single Parts)
- **DRAFTING**
 - Part and assembly drawings creation (welded and bolted assemblies).
 - Preparation of hydraulic and electrical routing drawings along with the environment.
- **CASTING PART**
 - Designed many casting parts and drawings of tractor parts and did some cost and weight optimization of castings

RV Industries (Vendor of TATA Motors)

Design Engineer (Manufacturing Plant)

July 2015 – Jan. 2017

RV Industries is a Product Exporter, Manufacturer, Supplier and Trading Company.

JOB RESPONSIBILITIES: -

- Responsible for modeling, assembling, drafting for development.
- Responsible for design proposal during the RFQ phase.
- Responsible for complete supply chain management Trolley Development activities till product SOP (start of production).
- Co-ordination with suppliers for technical discussion to ensure things are done on time.
- Work closely with customer management to understand the business requirements for the project.
- Define the deliverables, resource requirements and work plan for the project, and manage their development and delivery.
- Responsible for providing all child parts details to Purchase for a quote.
- Prepare the product Design proposal, Process Flow, Timing Plan, Validation Plan etc. during RFQ and after the business award.
- Closely work with customers and the internal team to meet the Product Development

TECHNICAL SKILLS AND EXPERTISE: -

- CAD SOFTWARE: CATIA, Creo, Nx & Solidworks.
- PLM SOFTWARE: PLM (Ennovia & Teamcenter) & SAP Management.
- Microsoft Office.

CERTIFICATIONS: -

- Successfully completed vacation training with **DLW Varanasi** from **18/06/2013** to **15/07/2013** and receiving training in **HMS, ROTER, LAS, TR** shops during above period.
- Successfully completed vacation training with **BHEL Varanasi** from **19/06/2014** to **21/07/2014**.
- Certificate of **CAD Auto CAD, Solid Work, Catia and nx**.
- Certificate of **Scout guide**.

PROFESSIONAL QUALIFICATION: -

- **Bachelor of Technology in Mechanical Engineering** from “**Dr. M.C. Saxena Institute of Engineering and Management**” affiliated with **A.K.T.U. Lucknow** in **2015** with **66.4 %**.

ACADEMIC QUALIFICATION: -

- Passed higher secondary from **U.P. Board** in **2010**.
- Passed high school from **U.P. Board** in **2008**.

HOBBIES:

- Free Hand Sketching
- Watching Auto Shows, Gadgets Show
- Surfing on the net
- Listening music

Strength:

- Self-motivated & Patient
- Team working capable
- Keen Learner
- Can infuse new ideas into the organization

PERSONAL PROFILE: -

- Gender: Male
- Date of Birth: 18, April 1993.
- Father's Name: Nagendra Kumar Srivastava.
- Marital Status: Unmarried.
- Languages Proficiency: Hindi & English
- Nationality: Indian.

DECLARATION: -

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

Date.....

ANUJ SWAROOP SRIVASTAVA