



BHUPENDER SHARMA

Design Engineer

Total Experience – 3.6 Years

Domain - Sheetmetal



Vill- Darwan, Post- Darwan,
Distt- kaimur(bhabua)
State-Bihar, Pin-821110



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Passport Available

Profile Summary

Mechanical Design Engineer, Graduated In 2017. After my graduation I have done a Diploma in Tool Design and CAD CAM from IGTR. With 3 years of experience having technical knowledge, CAD and CAM skills. Experience in design and development of a new product from conceptualization of ideas to translating them into an innovative product. Good knowledge of CAD, GD&T, DFMEA, NPD, Sheet-metal & Casting part Design.

Experience

Company Profile

1. Company – Epiroc

Company vision - Dare to think new

We challenge our way of working, thinking and acting to find new and sustainable solutions in a rapidly changing world. We see possibilities and dare to question the status quo.

Designation – Design Engineer

Functional Area - Engineering Design, R&D

Joining Date– 29 Nov 2021

Job & Responsibility

Design and Development of a new product from conceptualization of ideas to translating them into an innovative product.

- Modeling and creating concepts as per functionality.
- After approval prepare BOM do drafting and do Self QC.

Worked on Projects- PV-351

- Sheetmetal modeling, Drafting, Detailing and Self QC as per company std.
- Create installation drng.
- Cable Routing and Hydraulic Hose Routing.
- Preparation of Drawing and applying GD&T symbols and tolerances according to functional requirement.
- A good hold on ASME Y14.5 2018
- Windchill, Teamcenter
- CAD software on which I am working here is Creo 5.0

2. Company – ASHVA all-terrain Equipment's .Pvt .Ltd

Company vision - To create, sustainable ways to make things useful, to solve problems that haven't been solved, that create a sustainable society.
When soils disappear, the soul disappears.

Designation – Design Engineer

Department – Power Train

Functional Area - Engineering Design, R&D

Joining Date– 09 Feb 2021

Job & Responsibility

Design and Development of a new product from conceptualization of ideas to translating them into an innovative product.

- Design of Engine Sledge for all-terrain vehicle and do analysis in Ansys software.
- Prepare BOM, do drafting in Creo software and send it for manufacturing.
- Assemble Engine Sledge on the chassis of the vehicle along with the engine.

Worked on Projects- Engine Sledge, Driveline (CV&UV), Gear Shifter, Throttle Cable Routing.

- Sheetmetal modeling, Drafting and detailing and take care of its manufacturing.
- Casting Modeling and Drafting.
- Kinematic Analysis for driveline.
- Design Gauges and fixtures.
- Preparation of Drawing and applying GD&T symbols and tolerances according to functional requirement.
- A good hold on ASME Y14.5 2018
- DFMEA

3. Company – IPWT (Industrial Plant & Waste Treatment Corporation)

IPWT was established in 1971, by a group of brilliant technocrats with entrepreneurial vision.

Over the past four decades, activities have been established in water supply sewerage, sanitation, solid waste, air pollution & recently, in oil & gas, for both, new & refurbishment work. Today IPWT are a reputed urban environmental infrastructure & services group, proud of their reputation for efficiency and economy in executing turnkey projects, supplying environmental equipment & instrumentation and providing environmental services.

Designation – Design Engineer

Joining Date– 14 Oct 2019 (Experience 1.5 Years)

Job & Responsibility

- 3D Modeling, Assembly, 2D & 3D Drafting/Detailing.
- Sheetmetal modeling, Drafting and detailing
- Design Fixtures and Gauges.
- Preparation of Drawing and applying GD&T symbols as per Y14.5 2018 according to functional requirement.

- Prepare BOM as per company standard.
- Prepare Design Documents i.e APQP.
- Interaction with vendors for outsource manufacturing.
- Aware of Tolerance Stackup
- Software- Creo, Catia, AutoCad.

4. Company – Almighty Auto Ancillary Pvt. Ltd.

(An IATF 16949 : 2016, ISO 14001 : 2015, QMS & EMS Certified Company)

Is a technology driven company manufacturing “Windshield Wash and Wiper System” such as- wiper motor, wiper linkage, wiper arms, wiper blades, washer pumps and washer tanks for automotive and non automotive vehicles and precision machined parts “Bar Pin, Tube Sheet, Spring Sheet, Sensor Boss, Base Cup, etc. for automotive & non automotive OEM & OES customers in USA.

VISION :- To be a global leader in the field of Wash & Wipe Systems for heavy duty automotive & non automotive applications.

Designation – Design Engineer in NPD

Joining Date– 07 July 2018 (Experience 1.2 Years)

Job & Responsibility

- Wiper Design its simulation and envelop making as per customer requirement in Creo Software.
- Preparation of Drawing and applying GD&T symbols and tolerances according to functional requirement.
- Sheetmetal modeling, Drafting and detailing.
- Design Gauges, Fixtures and Tools for Wiper, Barpin & motor Dept.
- Material Order for Gauges Fixtures and Tooling as per BOM and follow up for the same.
- Casting part design and interact with vendor for its manufacturing.
- Prepare Design Documents i.e APQP.
- Interaction with vendors for outsource manufacturing.
- CAD software on which I am working here are: Creo, Solidworks & AutoCad

Education Qualification				
Year	Course	Institute/College	University/ Board	%age marks
2017-2018	Post diploma in tool design and CAD CAM	Indo German Tool Room	MSME	79.56
2013-17	B. Tech	Maharishi Markandeshwar University	M.M. University	7.6 CGPA
2012	12th	Ramjas Senior Secondary School.2	C.B.S. E	63
2010	10th	Kendriya Vidyalaya Number-3	C.B.S. E	62.7






Projects/Certifications in College	
Project	Power Hacksaw
Organization	Maharishi Markandeshwar University
Project	Design of Press Tool for Heat shield Bracket
Organization	Indo German Tool Room





Core Training			
Start Month, Year	Duration	Project Description	Company/Institution Name
June, 2015	1 month	Generation and Synthesis of Spot Welding Defects, Remedies And Matrix In Between	TATA Motors Limited
June, 2016	1 month	Air-condition in automobiles	Everest Air-condition
Feb, 2017	6 months	Industrial training	Bosch





Extra – Curricular Activities & Achievements



- ☐ Attended two days workshop on Robotics and Embedded systems - held from 3rd -4th april 2014
- ☐ Participated in In Industrial Visit Bhakra Nangal Dam (H.P)-12 sept 2015
- ☐ Attended two day workshop on Catia -19 sept 2016
- ☐ Participated in Go Cart Workshop
- ☐ 2015 chess Competition
- ☐ Merit Certificate in Educational Scholarship Scheme for Army.






Technical Proficiency





CAD software Workbench knows well	 Part modelling	 Assembly	 Drawing / Drafting	 Sheet Metal	 MOULD
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Technical skill – CAD - Creo 7.0 –    

 UGNX CAD –    

 Auto CAD –  

 SolidWorks –     

 Catia V5 / V6 –    

CAM – Nx CAM,
Master CAM (aware of)

CAE – Ansys 19.0

Software skill –

Ms Office -



Photoshop –



Personal Dossier

Hobbies : Working on software, poem
shyari, ghazals, sports - cricket, football

Strength : Leadership, Self-Motivated, Confident, Helping Nature, Adaptability

Date of Birth : 31/07/1993

Gender : Male

Marital Status : Un Married

Nationality : INDIAN

I hereby declare that the above written particulars are true and correct to the best of my knowledge and belief.

Date: 20/02/2022

Place: Bangalore, Karnataka