**Saurabh Pandey**  e- mail: pndsaurabh8@gmail.com

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**Career Objective:**

Having 9 Years of experience in the field of mechanical engineering and looking for more challenging position, strive for excellence with dedication, proactive approach, positive attitude and passion towards the work that will fully utilize my logical and reasoning abilities in the best possible way for the fulfillment of personal and organizational goals.

**Skills set:**

|  |  |
| --- | --- |
| Tools |  Module |
| Pro/Engineer | Part, Assembly, Surface, Sheet metal, Casting, Piping and Detail Engineering drawing generation |
| Solidworks | Part, Assembly, Detail Engineering drawing generation |
| Catia | Part, Assembly, Sheet metal, Detail Engineering drawing generation |

 **Experience:**

* Production process planning of Tata tippers & tankers body fabrication.
* Excellence in Cre-O tool, Wind-chill PDM.
* Hands on experience in Cre-O, Solidworks & Auto CAD.
* Good understanding of GD & T.
* Possess problem-solving skills, ability to follow industry standards and procedures and a team player.
* Possess strong analytical thinking, troubleshooting capabilities, proactive listener,

commitment to co-operative teamwork and excellent interpersonal communication skills.

* Ability to work independently on various projects and to meet tight schedule deadlines.

**Academic Profile:**

|  |  |  |  |
| --- | --- | --- | --- |
| Degree | Board / University | Percentages (%) | Year of passing |
| Bachelor of Engineering in Mechanical | RGPV University, Bhopal | 65 | 2010 |
| Higher Secondary Schooling | Madhya Pradesh Board | 70 | 2005 |
| High Schooling | Madhya Pradesh Board | 76 | 2003 |
| Certification in mechanical CAD | Central Institute of Plastic Engineering & Technology | (Short term) Completed | 2011 |

**Companies:**

1. **CEBBCO (Commercial Engineer & Body Builders Co. Ltd.)**,Jabalpur

Duration: April 2018 to till date

1. **Infotech Enterprises Pvt. Ltd.**, **(CYIENT)**,Hyderabad

Duration: August 2012 to September 2017

1. **Defence Research & Development Laboratory (DRDL)**, Hyderabad

 Duration: September 2010 to July 2012

**Projects:**

1. Tata tippers & tankers body fabrication- CEBBCO having large production line for tata tipper & tanker. The main challenge of production is dispatch the vehicle with quality & time.

Production model type - 1. Hyva-14 CUM 2. Tipper- 4.5, 10, 16, 18, 20 CUM 3. Tanker- 9KL, 6KL etc.

Primary Responsibilities:

* Production planning for fabrication line on monthly basis.
* Planning of SKD’s & CKD’s fabrication with compare to man power.
* Control the material feeding to contractor to avoid breakdown in process.
* Create new fixture to get quality of products in short time.
* Dispatch vehicles as per plan without any delay.

2. John Deere (InfoTech Enterprises Pvt. Ltd./Cyient) - John Deere is heavy engineering project. The basic intent in this project concepts of design and develop the agricultural products as per design & client requirements.

Projects in seeding team- 1. Commodity cart Design 2. Seeding tools 3. C-task

Seeding Team size: 6

Tools: 1. Pro/ENGINEER or Cre-O using module like- Assembly, sheet metal, casting, plastic, piping and drawing.

1. Wind chill-10, PDM (WT part creation to all parameter, check-in & check-out data with BOM comparison from CAD to SAP).

Primary Responsibilities:

* Design the concepts for Vancover fertilizer tank of different size of capacity.
* Concept of skeleton for conveyor link of commodity cart.
* Assembly of sub assembly and parts using welding & standard components Like- fastener, dual pin, studs etc.
* Large structural assembly like-seeding carts, air seeding and generation of fabrication drawing of complete seeding machines of different size using JD standard & defines GD& T.
* Integration work in large assembly & solve the interference issues as per design.

Fertilizer tank (Vancover)-

* In this project cart has designed 4 types of different capacity tanks from old design to new shape 400, 245, 120, 50 Bushel.
* Frame & structural design of cart with specific area was critical task. Basic resign to maintain the tank shape as per fertilizer storage system.

 Seeding tool (Nepolean)-

* This tool designed for both facility seed opener & fertilizer opener in one machine.
* Created skeleton for model & specify the required mechanism.
* Structural size control with all deign fulfillment in this toll was little critical, because the weight of this toll was very high as per other toll of John Deere product.
* Size of the machine is bigger as compare to other tool. Its latest deign of U.S. product.

 C-task (Deign-60)-

* Used to release drawing after design-60. Its last stage of drawing & design product with all JD standards for supplier or new build.
* In PDM WT part need to check all parameter & doing signoff for next step.
* In design -60 drawing should be fully specified in all aspects for next stage process.
* It’s kind of quality & inspection task for the product that should done before any manufacturing step.

3. HSTDV Air frame (DRDL)- Air frame is the part of cruse vehicle. The object of this project developed the design and testing of air frame.

Team size: 6

Tools: 1. Pro/ENGINEER used module like-part, assembly, sheet metal, and drawing.

1. Solidworks used module like-part, assembly, drawing.
2. Catia used module like-part, assembly, drawing.

Primary Responsibilities:

* Developing the solid model of complete airframe & it’s different sections.
* Prepared the solid model for heat transfer division, CFD model for flow path analysis.
* Developed the fuel tank design & air cooling system for C.V. as per design requirement.
* Assembly of sub assembly and parts using standard components fastener, dual pin, studs etc.
* Complex assembly, generation of fabrication drawing of complete airframe according to ISO standard & used proper GD & T.

4. HPD (Hypersonic propulsion division) (DRDL): HPD is engaged in the design, development & testing of the scramjet combustor. A scramjet (supersonic ramjet combustion) is a variant of a ramjet air breathing jet engine in which combustion takes place in supersonic airflow.

Team size: 8

Tools: 1. Pro/ENGINEER used module like-part, assembly, sheet metal, and drawing.

1. Catia used module like-part, assembly, drawing.

Primary Responsibilities:-

* Developing the solid model of scramjet combustor, single module combustor & dual module combustor. Comparing various schemes for combustor, one made by plates, second by forming with thick sheet & U-shape combustor.
* Prepared the solid model for heat transfer division, CFD model for flow path analysis.
* Developing the cooling system of engine for ground test as per flight condition.
* Complex assembly of scramjet engine used welding standard in drafting of fabrication drawing of combustor model according to ISO standard with proper GD & T.
* Interacting with PPC (Process Planning Center) Dept. for checking the status of the manufacturing components.

Air heater, supersonic nozzle & transition duct:-

Air heater heat air for burning the fuel in high temperature for simulates the flight condition in ground test. It’s very critical design that assembled before the scram jet engine.

Conversion-diversion nozzle is a passage of varying cross-section for producing supersonic to hypersonic velocity.

The object of transition ducts to utilize an inversely design compression for body with a complex three dimensional inlet without sacrificing flow uniformity at the combustor plan.

Tool: Pro/ENGINEER used module like-part, assembly, surface, and drawing.

Primary Responsibilities:

* Generated the surface lofting for all the contour points in transition duct and solid model of air heater, geometry with complicity in pattern making.
* Complex assembly, drafting of fabrication contour at different station between the entry and exit.
* Making an intricate cooling system around that contour shape in two module nozzle.

**Personal details:**

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| --- | --- |
| Full Name | Saurabh Pandey |
| Permanent address | HN-4039/6B, Yashwant nagar, Adhartal, Jabalpur |
| Date of Birth | 28-Dec-1987 |
| Languages known | English and Hindi |
| Hobbies | Travelling and listening music, Biking |

**Declaration:**

 I hereby declare that the above mentioned information is true up to my knowledge.

 Date:

 Place: