Abhijit Sawkar

***Working with Eaton India Innovation Center , Pune***

***as a Mechanical Design Engineer.***

***Mobile :9970285496***

***Email :*** [abhi1989.joranmech@gmail.com](mailto:abhi1989.joranmech@gmail.com)

**Objective:**

Seeking a responsible career position, which will offer a high level of challenge, responsibility and opportunity to contribute significantly to the growth of the organization and where my skills, knowledge and experience can be utilize and nurture effectively

**Skills and Achievements:**

* **7 years of experience as a Mechanical Design Engineer.**
* In-depth knowledge of Design Software’s like **Solid works-13, Pro-E(Wildfire3),Creo2.0, SAP ,ENOVIA,Uni-graphics NX 7.5 & 8.5, Auto CAD 2010** and solid works simulation professional.
* Working as **project manager and technical leader for NPD project**
* Working as per **SIX Sigma methodology (DFSS) and PROLaunch (Phase Gate process)tool**
* Proficient in **Switchgear design**
* Proficient in **electromechanical design.**
* Proficient in **plastic & sheet metal design.**
* Good knowledge of standards like **IEC 60947-3,IEC 60947-2,IEC 60079,IEC60529,UL98,UL489,UL508,NEMA.**
* Good in **Teardown and benchmarking**.
* Worked on **Design Verification/ Validation Testing.**
* Team member of group **VA team**
* **Team leader** of group **PIE team**
* Proficient in mechanical designing, planning, manufacturing and implementation.
* Comprehensive Knowledge of Manufacturing Processes and material selection.
* Comprehensive knowledge of Product Lifecycle Management
* Proficient in **GD&T and Tolerance stack-up**
* Proficient in **Plastic and Sheet Metal design**
* Good knowledge of new jigs, fixtures e,g-contact riveting and testing fixtures
* Giving Technical support to Marketing and Operations to resolve issues related to new design
* Working proficiently with supply chain team
* Excellent communication, demonstration and interpersonal skills

**Professional Background:**

1. **Design Engineer (From June 2017). Eaton *India Innovation Center , Pune* ,Maharashtra.**
2. **Product Design Engineer 1 (2015 – 2017).  
   Emerson Electric, Pune, Maharashtra.**
3. **Executive Design Engineer (2011 – 2015).  
   Rishabh Instruments Pvt. Ltd., Nashik, Maharashtra.**

Extensive knowledge of designing of switchgears, Enclosures at hazardous locations, IEC & NEC Panels, spring, plastic & sheet metal design. Creation of new designs & Analysis of Material, Testing of product from LAB in House and outsource

**Some of the Critical (in terms of size and precision to be maintained)**

**Projects I have handled and successfully completed on my own are:**

* Working on Design of **Enclosures at hazardous locations**
* Working on **Enclosed Disconnects and circuit protectors**
* Working on **IEC & NEC Panels**
* Working with **circuit Breakers and contactors**
* Worked on **Designing of “Low Voltage Switchgear and controlgear-Switches”(Good knowledge of contacts and rivets)**
* Working on **fusible products**
* Worked on Designing of **Current Transformer.**
* Worked on Designing of **Digital Millimeter**
* Knowledge of **jigs and fixtures**
* Modification In Existing products by doing **RCA**

**Responsibilities Successfully Handled during these projects:-**

* Working as **project manager and technical leader for NPD project**
* Responsible for complete electromechanical design of Products for Domestic and International

Markets.

* Worked as per **SIX Sigma methodology (DFSS) and PROLaunch (Phase Gate process)tool**
* Plastic and sheet metal design
* Successfully handled VA team membership
* Worked on Design Verification/ Validation Testing.
* Responsible for preparation of 3D models and Dimensional Drawings, Main Assembly Drawing, Part Drawings and the complete Bill of Materials.
* Responsible for Preparation of Design data and Directions.
* Doing Analysis of Materials, Testing of product from LAB in House and outsource.
* Checking and Correcting the Drawings of components before delivered to Manufacturing.
* Inspection of newly manufactured components as per specification and standard.
* Responsible for analyzing the incoming enquiries from sales department, and preparing accurate General Arrangement and Layout Drawings.
* Responsible for establishing the specifications for the Material Procurement and play active role in helping the Purchase Dept.
* Use of International and Indian Standards.
* Assigned with the task of introducing “5S Principles” in Design Dept.
* Solving problems in the shop floor by working closely with production people
* Handle projects till pilot batch production within stipulated time and got experience in Design, Manufacturing, Project Management & Quality Control.

**Academic Background:**

* Achieved Bachelor of Engineering with **FIRST CLASS with DISTINCTION**  in  **Mechanical Engineering** from Amrutvahini C.O E.Sangamner, Pune University,in2011.

|  |
| --- |
| **FINAL YEAR PROJECT:**  “**VACCUM REFRIGERATOR” Aug, 2010 – June 2011**  **Self Sponsored**  **Responsibilities**:- Design ,Development, Manufacturing. |
|  |

**Academic & Extra Curricular Activities**

1. Winner of two National level paper presentations on “Drinking Bird AS a Power wheel”
2. Participation in the national level event MECHEAVEN’10 at Nashik.
3. Worked as EVENT MANAGER for national level technical festival.
4. Member of SAEINDIA Collegiate Club.
5. Opener of college cricket team.
6. I have passed the ‘ELEMENTARY GRADE DRAWING EXAMINATION’ held in

the year 2002 & ‘INTERMEDIATE GRADE DRAWING EXAMINATION’

held in the year 2003 by GOVERNMENT OF MAHARASHTRA.

**Personal Details :**

Date of Birth : 03th May 1989

Sex : Male

Present Address : Morya Park, Near Amprapali Gas Agency,

Chinchwadgao,Pune-411033 .

Nationality : Indian.

Hobbies : Playing Cricket, Painting & sketching etc.

Marital Status : Unmarried.

I hereby declare that above all information given is true and best to my knowledge.

Date:

Place: Pune (Abhijit K. Sawkar)