PRATIK KINKAR

DESIGN & DEVELOPMENT ENGINEER

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# About Me

**WORK EXPERIENCE**

1.8 Years

**AGE**

25

I am working in a manufacturing company since 2018. I am working as a Product Design and Development engineer. Our company was eagerly looking for a new product development in laser industry and I gladly say we have successfully developed our own new products. I am handling an Engraving Machine department. I perform all design and document related work required for Engraving machine and provide a support to fabrication, machining & assembly departments. So my main area of interest and expertise is Product Development.



# Career Objective

Seeking a challenging and rewarding career in Design Engineer as a professional where I contribute my knowledge and designing skills for growth and development of the organization.

# Work Experience

April 2019 – Current

**Designation: Design Engineer**

Suresh Indu Lasers pvt ltd.

Software use: Solid Edge, Team center, MS Excel

**Projects:** Laser Engraving machine development, Laser Engraving Double Head Machine development, Developed Rotary Mechanism for Engraving machine, ND-YAG laser letter welding machine, 5 Head textile machine, Plotter set updating.

**Project Roles & Responsibilities:**

* Design and develop new machine as per customer needs and company requirements.
* Developed and tested models of alternate designs and processing methods to assess feasibility, operating condition effects, possible new applications and necessity of modification
* Communicated with customers by phone, email and in person to meet design requirements for customized products.
* Developed, tested and assessed alternative design models and processing methods.
* Provided technical engineering support and project management for design, engineering and development of engraving machine.
* Consulted with marketing department about product upgrades and failures in service and discussed methods for remediation.
* Performed tolerance analysis to ensure controlled fitment of machine parts by using GD & T.
* Worked with product planners and industrial designers to conceptualize and refine product concepts.
* Coordinated technical requirements, scheduling and solution development for engineering design and test issues.
* Reviewed design requirements and identified appropriate materials to use in development of solutions.
* Created Bills of Materials (BOM) and project release data for production.
* Communicated with store team on raw material specifications, dimensions and pre-press approvals.
* Developed concept layout and design for pre-approval
* Prepare Machining, Laser cutting, Bending, Fabrication drawings as per process requirement
* Develop, coordinate or monitor all aspects of production, including selection of manufacturing methods, fabrication or operation of product designs.

**August 2018 – February 2019**

**CADOpt Technologies Pvt. Ltd. Bangalore**

**Designation: Design Engineer**

**Project Handled:**

**Customer :** KIRLOSKAR OIL ENGINES LTD.

**Software Used:** CREO 2.0 & PLM/WINDCHILL.

**Work Handled:** Create 3D Part Model, Detailing, Assembly of KOEL Engine Assembly Created Using CREO 2.0.

**Customer :** GABRIEL INDIA LTD.

**Software Used:** CREO 2.0 & PLM/WINDCHILL.

**Work Handled:** Create 3D Part Model, Detailing, and Assembly of Gabriel shock absorber assembly Created Using

CREO 2.0.



# Education

**BACHELORS, MECHANICAL ENGINEERING** Graduated, July 2016

GOVINDRAO WANJARI COLLEGE OF ENGG. Marks 63.26%

RTMNU, BOARD Division 1

NAGPUR, MAHARASHTRA

**DIPLOMA, MECHANICAL ENGINEERING** Graduated, July 2013

G. H. RAISONI POLYTECHNIQUE Marks 60.00%

MSBTE, BOARD Division 1

NAGPUR, MAHARASHTRA

**SSC** Graduated, July 2010

SHRI. RAJENDRA HIGH SCHOOL Marks 82.12%

MS, BOARD Division 1

NAGPUR, MAHARASHTRA



# Engineering Tool Proficiency

|  |  |
| --- | --- |
| * **CATIA** | Part, Assembly, Generative shape Design,  Boolean Operation, Sheet metals, Re-mastering, A to B Conversion. |
| * **CREO** | Part, Assembly, Merge Inheritance Surfacing, sheet metals |
| * **UG-NX** | Modeling, Sheet metal, Drafting, Assembly |
| * **Solid-Edge** | Modeling, Sheet metal, Drafting, Assembly.  Certified from **Cad Cam Guru Solutions Pvt. Ltd.** |

# Academic Project

**Engineering Project:**

|  |  |
| --- | --- |
| **Title** | “Design & Fabrication of Savonius Unit”. |
| **Description** | Savonius structure able to rotate multiple generators so that we can able to handle multiple power stations using single unit. |
| **Learning** | Learnedaboutvertical axis turbine, multi-station structure and multi-power generation |

**Diploma Project:**

|  |  |
| --- | --- |
| **Title** | “Camless Engine Operated by Electrochemical Valve Actuation System” |
| **Description** | Replacing Cam with the help of Electro Mechanical Actuator. |
| **Learning** | Learned the basics of IC engine, Electro Mechanical Valve |



* Ability to rapidly build a relationship and set up trust.
* Good leadership and communication skill.

# Interpersonal Skills

* + Confident and determined.
  + Ability to come up with different situation.
  + Self-motivated.



* + Ability to stay calm and steady in a tense situation

# Personal Details

**Father's Name: -** Gopal Kinkar

**Date of Birth:** 21/09/1994

**Blood Group:** O +ve

**Languages:** English, Marathi, Hindi

**Permeant Address:** Plot no 158, Chitnis Nagar, umread road, Nagpur.

**Current Address:** A-103, Yashraj Primo, Hadapsar handewadi road, Pune.

**Declaration**

I, Pratik Kinkar, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

Pratik Kinkar Pune, Maharashtra