

PANKAJ RAMESH HUDDAR

Engineer (Mechanical Design), 23 months of experience.

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OBJECTIVE: Seeking a full time position in a company that offers challenging job opportunity in mechanical engineering that will utilize strong technical and analytical skills.

EDUCATION: B.E. Mechanical, Maratha Mandal Engineering College.
VTU, Belgaum, June-2015.

WORK EXPERIENCE:

February 2019 to Present

Engineer Mechanical Design

Ashok Iron Works, Belgaum

About Organization: One of the largest foundry groups producing a wide range of Machined Iron Castings like Engine Blocks, Engine Heads, & Transmission Housings ranging from 20 to 2500 Kg weight per piece, from a Single Cylinder to 16 Cylinder Engine Block and Single Cylinder to 6 Cylinder Engine Head.

Roles and Responsibilities:

- Working with project team as a Design Engineer.
- Making changes in layout as per changes done on site. Creating detailed engineering drawings as per requirement for setup of automation equipment.
- Material Indent required by using SAP.

Feb 2017- January 2019

Jr. Engineer Mechanical Design

Creintors Teknosol Private Limited, Belgaum

Designs and manufactures of hydraulic cylinders, couplings, special purpose machines, storage solutions and water treatment plant and products.

Roles and Responsibilities:

- Design and Detail Water Treatment plant projects that Include complete water

treatment plant, Circular DAF, Rectangular DAF and Lamella Clarifier with other sub parts included.

- Creating Layout and detailed drawings for water treatment plant, fabrication and purchased parts.
- Proficient with 2D drawings, 3D modeling and GD & T and design principles.
- Design of 3D models based on parameters set by rough sketches and dimensions with design calculations.
- Communication with sales, Management and Plant personnel to achieve set goals also assisted the manufacturing floor with any questions and issues related to design.
- Provided optimized design for completion products used in water treatment industry.
- Produced 3D Models and general assembly's using **Solidworks** and created detailed engineering drawing for sheet metal & standard structural parts.
- Creating, review and updating bill of materials (BOM) within the companies ERP system.
- Standardizing the water treatment products.
- Carrying out **Inquiry handling and Estimation** for projects.
- Worked Projects:
 - o **Pressure sand filter:** Designed, 3D model and detailing of pressure sand filter one product in water treatment plant. Worked on calculation for vessel design to other parameters like material selection.
 - o **Rectangular DAF:** 3D model and detailing of rectangular DAF, with selection of gearbox and motor and chain drive with design calculations.
 - o **Static mixer:** Design and detailing of static mixer that to mix two fluids with different viscosity to homogeneous mixture without any moving parts.
 - o **Water Treatment Plant:** Worked on complete water treatment plants from starting the proposal to approved layout from customer and detailed drawings of flash mixer, Alum dosing system, Flocculation tank, Lamella clarifier, Rapid sand filter, Pressure sand filter, Clariflocculator.

- o **Effluent Treatment Plant:** Worked on ETP plant of 3 KLD capacity for Auto service station at Bellad, Belgaum and ETP plant of 20KLD capacity at kasai galli, Belgaum.

June 2016- Dec 2016

Intern as Quality Engineer

Allied founder's Private Limited

Manufacturers of Pump components as volute casing, split casing, bearing housing, impellers motor bracket, support heads. Also manufactures valve casting components.

Roles and Responsibilities:

- Incoming quality inspection.
- In process quality inspection.
- Ensure zero defects.
- Preparation of daily and monthly quality reports.

WORKED PROJECTS:

- Circular Dissolved air floatation: Water treatment product used in water plant.
- Rectangular Dissolved floatation: Water treatment product used in water plant.
- Lamella Clarifier.

INTEREST:

- Product Design and Development
- Industrial Design

SKILLS:

- Good hands of experience on **Solidworks**
- Mechanical **AutoCad**.
- Good in calculations.
- Proficient with 2D drawings, 3D modeling and GD & T and design principles.
- General software knowledge on **Autodesk Inventor**
- **Microsoft excel**.
- Key qualities: Responsible, Self-motivated, Ambitious, Flexible.
- Languages: English, Marathi, Hindi.