

CURRICULUM VITAE

Mr. Akshay Dinkar Kadam (BE Mechanical)
Design Engineer with 3.5 years of experience.
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SUMMARY

Penta Designers & Engineers Pvt. Ltd
Assistant manager (Design)

OBJECTIVE

Looking for a challenging and demanding position in design and engineering in a growth oriented Mechanical Consulting, Contracting, Construction organization to render professional skills and add value to organizational growth and objectives.

CURRENT WORKING EXPERIENCE

Employer: Penta Designers & Engineers Pvt. Ltd.
Company Profile: Manufacturing and Engineering Services.
Role: Assistant Manager –Design
Date of Joining: June2016-Present.

JOB PROFILE

- Designed material handling equipment for continuous casting process in steel plant and heavy machinery and piping for equipment.
- Material handling equipment like Roller assembly, billet pusher, billet storage bank, Cooling bed, crop end pinch roll for **discharge department**.
- Designed calculation for selection of hydraulic cylinder, motor selection, Time study for billet shifting, Weight calculation, loading unloading of material.
- Managed all phases of the design process for a multitude of products, components, parts, assemblies and subassemblies, including drafting, dimensioning, tolerance, prototyping and documenting results. Known for quality excellence and a “do-it-right-the-first-time” design standard.
- Designed coolant filtration system equipment like chain type magnetic separator, oil skimmer, centralized coolant filtration system, pressure filter.

- Preparation of G.A Drawings and Isometrics based on P&ID and plant layout. Pipe support and Rack design, Expansion loop design. Zero/Intermediate/Bulk level MTO. Tank farm design. Piping Material Selection/Specification/Valve Data Sheets.
- Pressure design of Process Piping and Component as per ASMEB 31.3 [Straight Pipe, Flanges, Elbows and Miter bends, Reinforced branch connections, Blanks, Blind flanges, Expansion joints].
- Pressure design of liquid Hydrocarbons and Gas Pipelines as per ASME B31.4 & ASME B31.8.
- Static and Dynamic analysis of piping systems (Sustained loads, Occasional loads & Expansion loads)
- Hydraulic design of Liquid Piping and Pipelines (Pipe sizing, Pump head & power calculations)
- Design of Fire safety and Chilled water piping.
- Supervision of Piping & Mechanical Equipment Erection, Fabrication, Testing & Commissioning.
- In-depth knowledge of operating **SAP**.
- Assigned tolerances, both conventional and **GD&T**.

Employer: Duflon Industries Pvt. Ltd.

Company Profile: Manufacturer of high performance pumps & valve parts.

Role: Design & Development Engineer.

Date of Joining: August 2014-September 2015.

JOB PROFILE

- Professional work of product Development & Designing for production & manufacturing activity of high performance pumps & valve parts.
- Designing & development of Injection, compression, injection transfer molded, thermoformed parts for Pump & Valve.
- Good understanding for application of Geometric dimensioning and tolerance (GD&T).
- Handling of new Product Development Cycle such as prototype product development, Tool manufacturing, Material selection, Molding, Trouble shooting, QC, Part approval etc.
- Handled vertical injection transfer molding for PFA lined flow meter body.
- Provide direction to manufacturing and supply chain as needed.
- Setting up production targets and achieve the same within time and cost parameters.
- Overseeing production related tasks including process development plan,
- Conceive Plan, Develop and coordinate projects as assigned as an individual

- Research and document new technologies to be considered for current or future Product line enhancements.

EDUCATION

BE Mechanical from Pune University with First Class **60.71%** in **2013**
PES MODERN COLLEGE OF ENGINEERING, SHIVAJINAGAR, PUNE.

H.S.C. From Dnyandeep Vidyamandir Bhadgaon Khed (Kolhapur Board) with First Class with Distinction. **83.17%**.

S.S.C. from Latwan Highschool, Dist. Ratnagiri (Kolhapur Board) with First Class with Distinction. **76.13%**.

ACADEMIC SEMINAR & PROJECTS

B.E. Project:-

DEGREE: -“Study of convection heat transfer from horizontal rectangular fin Array under forced Convection.”

The sole objective of improving the cooling of electronic systems is to increase cooling Capacity. The failure rate of electronic equipment increases exponentially with temperature. Heat removal in an efficient way is necessary in order to maintain reliable operation of Electronic devices. The trend in the electronic industry is packing more and more circuits, in a given space. With the trend towards further microminiaturization of electronic packages.

The thermal design problem is recognized as one of the factors limiting the achievement of higher packaging densities. A recent trend of electronic systems is the rapid reduction of Size with greater capability and processing rate. To attain this purpose, the connection length between chips should be shorter and integration rate of components should be higher.

The electric power consumption Auto Sort (Sorting Machine).

EXTRA-CURRICULAR ACTIVITIES

- Organize college level “Robot-race event” in 2012.
- Certificate in participation in 2nd Indian student parliament 2012.

- Also completed a certified course in Welding coordinator from institute of Welding & Testing technology, Mumbai.

SPECIAL SOFTWARE SKILL

1. SAP(System Application Product)
2. Microsoft Office

ENGINEERING SOFTWARE SKILLS

1. Creo 4.0.
2. Autodesk Inventor
3. Solid work 2015.
4. AutoCAD 2015

PERSONAL PROFILE

Name: Akshay Dinkar Kadam.

Gender: Male.

Address: FLAT NO.16, RAIMMA ASSOCIATES,

KALEWADI, PIMPRI, PUNE

Date of Birth: 15th October 1990.

Language known: English, Hindi, Marathi.

Hobbies: Playing Cricket, Travelling.

I hereby declare that all the information given is correct to best of my Knowledge.

(Akshay D Kadam)