

CURRICULUM VITAE

Ajinkya Sunil Kulkarni

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PROFILE SUMMARY

- A Design Engineer with professional experience in design of Genset, Engine and SPM, CAD & Project management.
- Hands on Experience of Different Modules of Creo such as Part, Sheet Metal, Assembly, Surfacing,
- Design and Developments of various gear shafts with suitable interference for specific torque transmission for Fatigue test.
- Drawing & Basic Knowledge of Piping Design.
- Design & development of SPM for Rubber and Tyre industries and Agricultural industries.
- Design & development of Engine, Open and Enclosed Genset and all related parts.
- Design Calculation for the gears shaft diameters as per the required torque transmission
- Trained for GD&T, Windchill 2.0, PLM
- Hands on experience on CAD, Creo 7.0, UG-NX.
- An effective communicator with planning, Co-ordination & analytical skills.
- Supporting Analysis IDFMEA and DVA Reports.

EDUCATIONAL QUALIFICATION

B. Tech in Mechanical Engineering – BATU (Maharashtra) - Pursuing

Diploma in Mechanical Engineering (2018) – MSBTE (Maharashtra) – 74.35%

S.S.C (2014) – MSBSHSE (Maharashtra) – 72 %

PROFESSIONAL EXPERIENCE

Cummins India Limited, Kothrud, Pune.

22nd March 2022- Present

Onsite Design Engineer

(On Roll of Atlantis Lab Pvt. Ltd.)

Department: Drafting and Product Release

Responsibilities & Working Profile; -

- Looking for the Genset product design of & development including requirement analysis, finalizing specifications, drawing release & making necessary modifications in the designed product.
- Preparing design & layout, outline of assembly/ components and modifying/ upgrading designs for approval foreseeing performance bottlenecks and taking corrective measure to avoid the same.
- Preparing the drawing Files like DET files, DS Files and RD Documents.
- To Developed Design of gear fixtures for Gear Fatigue Testing and its related torque analysis and DVA.
- To prepare Engineering drawings, fabrication & mechanical drawings, layout drawings, detailing of equipment after gathering product specifications
- Responsible for the entire project of genset manufacture from development to released phase.

Mag Machines and Services, Aurangabad

1st July 2019 – 16th March-2022

Design Engineer

Department: - Engineering Dept.

Responsibilities & Working Profile: -

- Design of Mechanical Special Purpose Machineries, Conveyor's and Agricultural Machineries and Layouting using CREO Parametric.
- Looking after entire product design & development including requirement analysis, finalizing specifications, drawing release & making necessary modifications in the designed product.
- Conducting feasibility study & preparing design & layout of assembly/ components and modifying/upgrading designs for approval foreseeing performance bottlenecks and taking corrective measure to avoid the same.
- Worked in different modules like Part modeling, Assembly, Surface modeling, Drafting, Layout.

SOFTWARE SKILLS

- Creo 7.0
- AutoCAD
- UG-NX
- SAP
- MS-Office

SOME SUCCESSFULLY COMPLETED PROJECTS

- **Temperature Control Unit (TCU):**

A set up of four zone which controls the temperature of rubber mixing mill roller in tyre industries using thermocouple (RTD) and control valve.

- **Gear Rig Tailoring Project:**

A gear rig fixture in that various gears of different engines are tested at a 3 times torque than engine to identify the gear torque transmission capacity overall, the Fatigue test of Gears.

ENGINEERING PROJECT

Title: Defective Product Separator

A group project about the Design and Manufacturing of Defective Product Separator using Pneumatic Cylinder and Solenoid Valve.

DECLARATION

I hereby declare that all the information provided above is true to the best of my knowledge.

Date:

Place:

Signature
(Ajinkya S. Kulkarni)