

SANDEEP KOLAJIGOUDA

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CAREER OBJECTIVE

To work with an organization where I can get a chance to continuously enhance my technical skills and knowledge while securing a challenging position where I can effectively contribute my skills through dedication, honesty and hard work and utilize my knowledge for organizational & personal growth.

EDUCATION

COURSE	INSTITUTE	YEAR OF PASSING	PERCENTAGE
B.E.(MECHANICAL)	Jain College Of Engineering ,Belgaum(VTU)	2018	72.09%
PUC 2 (Science)	Maratha Mandal P.U College ,Belgaum	2014	87.62%
SSLC	Maratha Mandal High School, Belgaum.	2012	86.56%

EXPERIENCE

• Company Name:- Samruddhi Engineering(ISO 9001:2015)

July 2018 –Sept 2019

Pune, India

Mechanical Design Engineer

CAD Tools:- Catia V5 R19, AutoCad 2010

Roles and responsibilities

- * Preparing Design (3D and 2D) model Receiving Gauges and fixtures according to GD and T standards.
- * Selection of materials and processes according to end user (Mold, casting, forging,etc).
- * Prepare bills of materials.
- * Travel to project sites when necessary to take physical measurements required to complete requested designs.
- * Oversee mechanical design phases from concept through production.
- * Knowledge of CMM and its checking methods.
- * Weigh cost constraints while preparing project design schedules.
- * To draw 3D models according to manufacturing standards and check them on cmm according to GD and T standards.

Projects(Companies):- Audi India, Faurecia, Bundy India LTD.,BFL Mundhawa ,Dura Automotive Works ,Spark Minda.

TECHNICAL SKILLS

CAD Software	Catia V5 R21(Plastic Domain), AutoCad, SolidWorks, UG NX 10, Ansys(simulation)
GD and T	ASME Y 14.5(CERTIFIED), ISO 1101
Programming Language.	C Language.
Office Tools	MS Word,MS Excel, MS PowerPoint.

PROJECTS AND SEMINAR

- **"Crack Growth Detection and Measurement"**

Team Members:- 4

Software:- MatLab

The project is all about concern with the crack growth detection and measurement without using traditional process with the help of digital camera and codes on MatLab Software.

The video of crack growing is input to our MatLab coding which is processed through pre-processor and converted in to frames, by Boolean operation in Matlab Coding it will segregate the frames and tells the growth of the crack and by algebra we can gain the velocity of coding.

- **Wheel End Hub for vehicle.**

Cad tool:- Catia V5

Hub is wheel end casting part which supports wheel and tire. The entire assembly is responsible for the Smooth and quite rotating of tire and wheel.

Role:-

1. Preparation of 3D model and drawings for manufacturing.
2. Conversion to a casting optimized the weight and strength of the component.
3. Packaging check and finalise the cad model.
4. Manufacturing drawings with GD &T.

- **Seminar :- Study Of Buckling Behaviour of Orthotropic Plate Using FEA.**

*To Study how variation in length to thickness ratio affects critical buckling load.

*To study how different orientation angles affect critical buckling load.

*How Buckling load changes for different shapes.

ACHIEVEMENTS & AWARDS

- Secured fourth Rank in University in final year of academic.
- Got consolation rank in "Waste Management Disposal" held by JCE Belgaum.
- Secured 3rd Rank in 'Plethora 2k18' Engine Assemble-Disassemble competition.

INDUSTRIAL EXPOSURE

- 20 days of Implant Training at Oerlikon Fairfield Atlas, Shinnoli, Chandagad, Kolhapur (02/02/2018-22/02/2018)
- Training on Hydraulic and Pneumatics at VTU-Bosch Rexroth Centre, Mysore (25/09/2017-27/09/2017)

INTERESTS

- Design Engineer and developer.
- Good to work in Team as a leader.

ACTIVITIES

- Participated in Design Competition held by JCE, Belgaum, by Project name 'Waste Management System'
- Paper presentation on Energy Engineering Concept Of wind Mill Energy and Tidal Energy.

PERSONAL STRENGTHS

- Good Interpersonal Skills.
- Superior attention to Details.
- Quick learner and can easily adapt to new and changing situations.
- Highly motivated self-starter.

PERSONAL PROFILE

- Date of Birth : 13/11/1995
- Marital Status : Single
- Nationality : INDIAN
- Known Languages : English, Hindi, Marathi, Kannada.
- Hobbies : Writing, Reading, Playing Cricket.
- Passport : Yes I have.
- Driving Licence : Yes I have.

DECLARATION

I hereby declare that the information mentioned above is true to the best of my Knowledge.

Date:

Place: Pune

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