

SAMRAT P PINGAT

Email: samratpingat2000@gmail.com

Contact: 8073134746

Date of Birth: 07/03/2000



OBJECTIVE

Motivated and detail-oriented mechanical engineer with experience in crankshaft manufacturing, covering the complete machining process from forging to finish. Seeking an opportunity in a dynamic organization to apply my technical expertise, practical manufacturing knowledge, and problem-solving skills while contributing to process improvement and organizational growth.

EDUCATIONAL QUALIFICATION

Course	Name of School/College	Board/University	Year of Passing	Percentage/Grade	Remark
PhD	S.G. Balekundri Institute of Technology Belagavi	VTU Belagavi			Pursuing
M.Tech in Machine Design	Maratha Mandal Engineering College Belagavi	VTU Belagavi	2023	8.99	First class with Distinction
B.E in Mechanical Engineering	Maratha Mandal Engineering College Belagavi	VTU Belagavi	2021	8.13	First class with Distinction
Diploma in Mechanical Engineering	Maratha Mandal Polytechnic Belagavi	DTE Bengaluru	2018	84.2%	First class with Distinction
S.S.L.C	Mahatma Gandhi High School Goundwad	KSEEB Bengaluru	2015	84%	First class

ACADEMIC PROJECTS

M.Tech Project Title: High cycle fatigue life analysis of automotive chassis by using Ansys.

Brief Description:

- The main objective of the project is to analyse how the chassis behaves under dynamic loading condition.
- To compare the yield stress of the material used in the chassis to the induced static structural stresses.

- The project seeks to examine the various mode shapes of the chassis. Mode shapes represent the different patterns of deformation that the chassis can undergo when subjected to dynamic loading conditions.
- Also performed the fatigue life analysis of chassis under repetitive loading by using the Goodman diagram to find the life of chassis.

B.E Project Title: Regenerative braking system

Brief Description:

- The main objective of regenerative braking is an energy recovery mechanism.
- Using regenerative braking system in automobiles enables us to recover the Kinetic energy that's lost during the braking process.
- The converted kinetic energy is stored for future use or is fed back to the facility system of the vehicle.

Diploma Project Title: PLC operated motor control system.

Brief Description:

- This is used to control the motor to switch it on/off for several times by using PLC ladder program.
- This project is used to supply and provide water to various plants, process industries, field crops etc.

INTERNSHIPS

M.Tech Internship: Carried out at Multitech Engineering Solutions Udyambag, Belgaum

Brief Description:

- This Company Manufactures Butterfly Valve Disk, Gear Housing, Base Privory, Rope Drum etc.
- In this Internship I was learned about different processes carried out to make different industrial components and how the Inspection and quality control work is carried out to maintain dimensional accuracy of components.

B.E Internship: Carried out at Vikas Composites Autonagar Belgaum.

Brief Description:

- This Company Manufactures Fiber reinforced plastics (FRP) Automobile Components such as Bumper, Dashboards, Front Inner and Rear Inner etc.
- In this Internship I was learned about different processes carried out to make an FRP Component.

Diploma Internship: Carried out at Hydro Dynamics Pvt.Ltd Udyambag Belgaum.

Brief Description:

- This Company Manufactures Hydraulic Components such as Adjusting Screw, Washers, Hydraulic Cylinders, Hydraulic Jacks etc.
- In this Internship I was learned about different machines and its operations in industries such as Lathe, CNC machine, Drilling Machines, Hydraulic Press etc.

TECHNICAL PAPERS PUBLISHED

- Samrat P Pingat, Dr. Anand C Mattikalli, Ashifahmad Devalapur, Prof. Revanasiddappa H, “High Cycle Fatigue Life Estimation of Automotive Chassis Under Dynamic Loading Condition”, International Research Journal of Engineering and Technology (IRJET) Volume 10, Issue 09, September 2023
- Ashifahmad Devalapur, Samrat P Pingat, Prof. Revanasiddappa H, Dr. Anand C Mattikalli, “Strength Analysis of Pressure Vessel by Using Finite Element Approach under the Pressure Loading Condition”, International Research Journal of Engineering and Technology (IRJET), Volume: 10 Issue: 09 | Sep 2023.

PROFESSIONAL SKILLS

- Working knowledge of Siemens UG NX for 3D part and assembly modeling, including parametric design, feature-based modeling, and drafting as per manufacturing requirements.
- Working knowledge of SolidWorks for 3D part and assembly modeling, including parametric design, feature-based modeling, and drafting as per manufacturing requirements.
- Working knowledge of AutoCAD for 2D drafting and preparation of manufacturing and process drawings.
- Knowledge of ANSYS Workbench for basic structural analysis, including model setup, meshing, boundary conditions, and result interpretation.
- Working knowledge of MS Office (Word, Excel, PowerPoint) for engineering documentation, technical reports, data analysis, and process-related presentations.

WORK EXPERIENCE

- Asst Design Engineer August 2023 – June 2026

Worked as Asst Design Engineer at Balu Forge Industries Ltd- Kakati Belagavi

- Asst Professor June 2026 – Present

Working as Asst Professor at Maratha Mandal Engineering College Belagavi

PERSONAL DETAILS

Father name : Pandurang S Pingat

Mother name : Apeksha P Pingat

Mother tongue : Marathi

Marital status : Unmarried

Languages known : English, Hindi, Marathi and Kannada

Permanent Address: At H No 617 Basavana Nagar Goundwad Post Kangarli BK Belgaum
590010