SHRINIWAS SANJAY CHIMALE
Course : **M.Tech.**, Mechatronics, 2027
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CGPA : 6.28

ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
UG	Mechanical Engineering	M S Bidve Engineering College	Dr Babasaheb Ambedkar Technological University, Lonere, Raigad	7.97 CGPA	2023
DIP	Mechanical Engineering	Sandipani Technical Campus	Maharashtra State Board of Technical Education	62.18 %	2020

Subjects / Electives	Power Electronics, Fluid Power Automation, Micro-Electromechanical Systems, Design Thinking, Embedded, AIML, System, Mechatronics System Design, Research Methodology, Principle of Design Machine Elements, Fuzzy Logic & Neural Network, Robotics, Entrepreneurship Essentials, Product Design & Development, Digital Signal Processing & Modeling, Advanced Sensor System & Instrumentation, Principles of Electronics, Autotronics & Vehicle Intelligence
Technical Proficiency	Arduino, Robotics, MATLAB, Fluidsim, AutoCAD Mechanical, Mechatronics System Design, C Programming, CAD Modelling, Python Programming, Autodesk Inventor, SolidWorks, Finite Element Analysis (FEA), Quality Control, CAD/CAM Software, Embedded System Design, Simulation & Modelling

WORK EXPERIENCE

INTERNSHIPS

Mechanical Design Intern, VASBEAM Pvt Ltd. **Apr 2024 - Jul 2024**

- Gained hands-on exposure to fabrication, machining, assembly, and quality inspection processes.
- Developed complex 3D assemblies and GD&T-compliant drawings in SolidWorks and AutoCAD..
- Assisted in production planning, material selection, and cost optimization activities.
- Prepared Bills of Materials (BOM) and assisted in component selection.
- Supported testing, documentation, and certification-related manufacturing practices.

PROJECTS

LROBOT FARMER - Mechanical Engineering **Dec 2022 - May 2023**

- Designed and developed a robot for automated seed sowing and water sprinkling in small-scale farming.
- Helps in reducing manual labor and saving time in farming activities.
- Useful for small farms and garden cultivation.

Pneumatic Punching Device - Mechanical Engineering **Dec 2021 - May 2022**

- Designed and developed a pneumatic punching system using compressed air to perform punching operations on sheet metal.
- The system converts compressed air energy into mechanical motion to punch holes efficiently
- Suitable for small-scale industrial and workshop applications.

Sand Sorting Machine - Mechanical Engineering **Jan 2019 - Apr 2020**

- The system works using a motor-driven vibrating or rotating sieve to classify sand.
- The project demonstrates basic mechanical design, fabrication, and automation concepts.

Metal Bending Device - Mechanical Engineering **Jan 2018 - Apr 2019**

- Designed and developed a device used for bending metal sheets and rods into required shapes.
- Simple design, low cost, and easy to operate.

EXTRA CURRICULAR ACTIVITIES

Refreshment Head

- Worked as Refreshment Head in Annual social gathering in COEP'26.
- Managed refreshment arrangements during academic and cultural events.
- Coordinated with vendors and organizing team for timely food distribution.

PRESIDENT-MESA

Led the student council and represented student interests. Coordinated college events, managed team activities, and collaborated with faculty for academic and cultural programs.

LANGUAGES KNOWN

English, Hindi, Marathi