

SAMARJEET KATEBHOSALE

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PROFILE

Mechanical Engineering graduate with a strong foundation in manufacturing, quality control, product design, and mechanical systems. Skilled in CAD, C++, engineering analysis, and problem-solving through academic projects. Quick learner with excellent analytical, communication, and teamwork skills. Passionate about continuous improvement, innovation, and contributing to manufacturing and engineering excellence.

COURSES AND CERTIFICATION

Fundamentals of Automobile design| Advance Automobile Design | Principles of Casting Technology| Design Practice | Advanced Machining Processes | Production Management | Arduino

TECHNICAL SKILLS

Solidworks | Autocad | Catia | GD&T | 6 Sigma | Python programming | MS Excel & Powerpoint | Arduino

PROJECTS

HYBRID FERTILIZER SPRAY PUMP

A conventional backpack fertilizer sprayer modified to work in both manual and automatic modes. A DC motor linked to the spray lever automates the pumping action, reducing farmer effort while maintaining efficient fertilizer spraying

WATER SURFACE GARBAGE CLEANER

A floating surface cleaner designed to collect floating waste from water bodies. It operates in manual and automatic modes using motors for movement and a garbage collection mechanism, reducing human effort and improving cleaning efficiency

WEIGHT DETECTION SYSTEM FOR COMMERCIAL SYSTEM

A smart system that uses load sensors to measure the vehicle's weight in real time. If the load exceeds the permissible limit, the system prevents the vehicle from starting, helping to avoid overloading and improve road safety.

PRODUCTIVITY IMPROVEMENT BY REDESIGN OF MATERIAL HANDLING SYSTEM & TERMOCOL EXTRUDER MACHINE DESIGN

A redesigned material handling system integrated with an improved EPS machine design to optimize material flow, reduce handling time and labor effort, minimize wastage, and enhance overall productivity, efficiency, and workplace safety.

EDUCATION

BTECH in Mechanical Engineering (Kolhapur Institute of Technology)
2025 – 2026

INTERESTS & CO-CURRICULAR

NCC Cadet| Suggestion Committee Member | International Service Director

