

Prajwal D Bhendigeri

Belagavi, Karnataka, India | Prajwal D Bhendigeri

PROFESSIONAL SUMMARY

Mechanical Engineering student with hands-on experience in industrial robotics, manufacturing, machining, and CAD. Experienced in FANUC industrial robot operations including pick-and-place, gripper operation, and point programming. Skilled in Autodesk Fusion, AutoCAD, SolidWorks, and CATIA, with intermediate knowledge of Python. Experienced in machining research involving CuO nanoparticles, Nano-MQL machining, and DOE-based analysis on Al 2024 alloy. Strong interest in compressors, pneumatics, industrial automation, manufacturing, and engineering problem-solving.

Education

KLS Gogte Institute of Technology, Belagavi, Karnataka

Bachelor of Engineering in Mechanical Engineering

Sept 2023 – 2027 | CGPA: 7.46 (up to 6th semester)

Project

CHARACTERIZATION AND ANALYSIS OF CuO NANOPARTICLES DURING NANO-MQL MACHINING ON AL 2024 ALLOY USING DOE APPROACH

- Synthesized 50 g of CuO nanoparticles for machining experimentation.
- Characterized the synthesized nanoparticles using appropriate characterization equipment.
- Conducting Nano-MQL machining experiments on Al 2024 alloy.
- Applying a Design of Experiments (DOE) approach to analyze machining parameters.
- Working toward precise machining results and improved surface finish on the work material.

Skills

TECHNICAL SKILLS

- CAD & Design
- Autodesk Fusion
- AutoCAD
- SolidWorks
- CATIA
- Manufacturing Processes
- Machining
- Engineering Drawing
- Basic GD&T;
- DOE

ROBOTICS & AUTOMATION

- Hands-on experience with FANUC Industrial Robot during college Skill Lab session:
- Pick-and-place
- Gripper operation
- Point Programming

Languages: English, Kannada, Hindi, Marathi

ACHIEVEMENTS

- Represented a club in the Under-19 Dharwad Zone Cricket Team.
- Won the Under-19 Cricket Tournament among clubs across Dharwad Zone.
- Received the Best Bowler Award in the tournament.
- Represented the college cricket team in VTU tournaments.