



I am Dr. Prajakta Pritam Desai, working as an Assistant Professor in the Department of Mechanical Engineering at Walchand College of Engineering (WCE), Sangli. I have more than 12 years of academic experience and 1.5 years of industrial experience. I completed my Diploma in Mechanical Engineering in 2006 from Walchand College of Engineering, Sangli; B. E in Production Engineering in 2009 from KIT College of Engineering, Kolhapur; M. Tech in Mechanical (Production) in 2011 from Walchand College of Engineering, Sangli and Ph.D. in Mechanical Engineering in 2025 from Sanjay Ghodawat University, Kolhapur. My academic and research interests focus on the development of additive manufacturing biocomposite materials.

My professional work combines teaching, research, innovation, and mentoring. I have published research in reputed journals and conferences in areas such as the synthesis and mechanical characterization of 3D-printed biocomposites. I hold 05 patents, two utility models, and three design registrations related to novel composite materials and medical devices.

I have extensive academic and administrative experience at departmental, institutional, and university levels. I have handled major responsibilities such as University-level IQAC activities, ISO internal Auditor, and Women Empowerment Cell member. I also worked as Workshop Superintendent for 1.5 years and served as Senior Supervisor and CAP Director for university examinations. I contributed as Departmental Training Coordinator, Sports Coordinator, and Cultural Coordinator along with active involvement in to NBA and NAAC activities. I have also played a role in developing institutional laboratories, MSME-supported foundry technology laboratory etc. My teaching performance has been consistently rated well in annual appraisals.