Vishal Vishwas Dhende

Designation: Assistant Professor

Department: Mechanical Engineering

Academic Background

Vishal Vishwas Dhende holds an M.Tech. in Mechanical Design Engineering from Walchand College of Engineering, Sangli, and is currently pursuing his Ph.D. at Shivaji University, Kolhapur. He completed his B.E. in Mechanical Engineering from WCE Sangli and qualified GATE-2008 with an All-India Rank of 3433. His academic training has laid a strong foundation in mechanical design, dynamics, and advanced analytical methodologies.

Research Interests and Publications

His research interests include machinery fault diagnostics, vibration analysis, and industrial product design. He has published 15 papers in international and national peer-reviewed journals and contributed to 8 conference publications. His work spans experimental studies, computational modeling, machine learning–based diagnostics, and design of mechanical systems. He has also authored a book titled *Machine Design-I* published by Electrotech Publications.

Teaching and Academic Contributions

With more than 12 years of teaching experience, he has taught courses across undergraduate and postgraduate levels including Machine Design, Numerical Methods, Product Lifecycle Management, Industrial Product Design, Condition Monitoring, and Advanced Machine Design. He has guided 27 postgraduate dissertations covering domains such as vibration control, composite structures, damping mechanisms, and magneto-rheological devices.

Professional Activities and Institutional Roles

He is a life member of ISTE and has actively contributed to organizing national conferences, workshops, and training programs. His academic leadership includes roles such as Department Examination Coordinator, Department Quality Assurance Coordinator, PG Design Coordinator, and coordinator for the institute's fortnightly newsletter. He has also provided consultancy in vibration testing, machine fault diagnosis, and oxygen plant audit.