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ACADEMIC PROFILE

I am currently working as an Assistant Professor at Walchand College of Engineering, Sangli, where I teach both undergraduate and postgraduate courses in the areas of Thermodynamics, Fluid Mechanics, Heat Transfer, Advanced Fluid Dynamics Laboratory, Steam Engineering, Food Processing and Cold Chain Management, and Measurement & Metrology. I am deeply committed to delivering quality education, strengthening conceptual understanding, and encouraging research-oriented learning among students.

I completed my Ph.D. in Thermal Engineering from Sant Gadge Baba Amravati University in October 2025 under the prestigious AICTE Doctoral Fellowship (ADF 2020–2024). During my doctoral research, I served as a Junior Research Fellow (JRF) for two years and subsequently as a Senior Research Fellow (SRF) from December 2022 to July 2024. My research focused on “Experimental Studies on Thermal Analysis of Porous Media Using Nanofluids,” emphasizing convective heat transfer enhancement using copper metal foam (10 PPI and 20 PPI) with Al_2O_3 –water and graphene–water nanofluids. I completed my M.Tech in Thermal Engineering in 2019 and B.E. in Mechanical Engineering in 2015.

With over 8.5 years of combined academic and industrial experience, I have published three research papers in reputed international journals and presented my work at international conferences. My responsibilities include teaching and laboratory instruction, guiding B.Tech and M.Tech projects, mentoring students, contributing to academic administration, participating in curriculum-related activities, and actively engaging in research and scholarly development.