

Bio-Sketch – Dr. Babaso N. Naik

Dr. Babaso N. Naik is an accomplished academician and researcher in the field of Mechanical Engineering, specializing in heat power engineering, thermal systems, and computational fluid dynamics. He currently serves as Controller of Examinations at Walchand College of Engineering, Sangli, where he has been a dedicated faculty member since 2004.

Dr. Naik earned his Ph.D. in Mechanical Engineering from the Indian Institute of Technology Delhi in 2023, with his dissertation focusing on critical aspects of cookstove testing. He completed his M.Tech. in Heat Power Engineering from Walchand College of Engineering, Sangli, in 2012, and holds a B.E. in Mechanical Engineering from Veermata Jijabai Technical Institute, Mumbai.

With nearly two decades of teaching and administrative experience, Dr. Naik has taught a wide range of undergraduate and postgraduate courses, including Thermodynamics, Fluid Mechanics, Heat Transfer, and Applied Thermodynamics. His expertise extends to advanced computational tools such as MATLAB, Python, VBA, and ANSYS Fluent, enabling him to integrate simulation-driven approaches into his research and teaching.

Dr. Naik's research portfolio includes publications in reputed journals and presentations at national and international conferences. His works range from CFD analysis of heat exchangers to thermal and emission studies of biofuels, as well as mathematical modeling of thermal systems. Notable contributions include studies on evaporator fin characterization for aerospace applications, simulation of wet cooling towers, and performance evaluation of improved biomass cookstoves.

Beyond academics, Dr. Naik has worked in the examination section, first as Deputy Controller of Examinations (2018–2023) and now as Controller of Examinations, streamlining processes and ensuring transparency in assessment systems. His ability to balance academic responsibilities with administrative duties reflects his commitment to institutional development and student success.

Driven by a passion for teaching, research, and academic excellence, Dr. Naik continues to mentor students, contribute to applied research in thermal sciences, and support initiatives that enhance the quality of engineering education.

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