

Dr. Jitendra Balasaheb Satpute

Ph.D. (Mechanical) – VIT Vellore | M.Tech (Thermal) – VJTI Mumbai | B.E. Mechanical – Pune University

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Professional Summary

Associate Professor & Head of Department with 12+ years of academic, research, and administrative experience. Expertise in Thermal Engineering, Renewable Energy, Photovoltaic Thermal Systems, Nanofluids, and IC Engine Optimization with strong SCI/Scopus publication record.

Academic Experience

- Associate Professor & Head, Mechanical Engineering – SRTTC Pune (2015–Present)
- Controller of Examination (2021–22)
- Lecturer – JMCT Polytechnic, Nashik (2012–2013)

Education

- Ph.D. Mechanical Engineering – VIT Vellore (2023)
- M.Tech Thermal Engineering – VJTI Mumbai (CGPA 9.25, Rank Holder)
- B.E. Mechanical Engineering – Pune University (71.45%)

Research & Publications

- 22 Journal Publications (13+ SCI/Scopus Indexed), 8 Conferences, 4 Under Review
- Research Areas: PV/T Systems, Nanofluids, Renewable Energy, CFD & Machine Learning
- Published in reputed journals including Scientific Reports, Energy, Solar Energy

Funded Projects & Patents

- TEQIP R&D; Project – ₹3.42 Lakhs (PV-Thermal System)
- Department R&D; Project – CPC Performance Study
- 2 Published Patents – Solar Collector Designs

Academic & Administrative Contributions

- NAAC Criterion Coordinator (Cycles I, II & III)
- Syllabus & Paper Setter – SPPU
- Member – CDC, GRC, DIC, IQAC
- 58 UG Projects Guided | 8 Ongoing