ASHISH RAVINDRA SUWARE



ASSISTANT PROFESSOR – MECHANICAL ENGINEERING

Training & Placement Coordinator

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Sawantwadi, Maharashtra
Languages: Marathi, English, Hindi

PROFESSIONAL SUMMARY

Mechanical Engineering academician with extensive teaching experience in higher education, currently serving as Assistant Professor and also undertaking Training & Placement Coordinator responsibilities. Experienced in student mentoring, academic administration, project guidance, industry-oriented skill development and research supervision. Background in thermal engineering, HVACR, renewable energy and sustainable product design; guided student teams to the final round of Smart India Hackathon.

CORE COMPETENCIES

Academic Administration • Project Guidance • Outcome-Based Education • Thermal Engineering • HVACR • Renewable Energy • Biomimicry • Training & Placement Coordination • Industry–Institute Interaction • Recruitment Readiness • Student Mentoring • Internship Support

PROFESSIONAL EXPERIENCE

Training & Placement Coordinator | *July 2026 – Present*
Yashwantrao Bhonsale Institute of Technology, Charathe (Sawantwadi)

- Coordinate institutional training and placement activities and support students' recruitment readiness.

Assistant Professor – Mechanical Engineering | *July 2025 – Present*
Yashwantrao Bhonsale Institute of Technology, Charathe (Sawantwadi)

- Teaching and academic responsibilities in the Mechanical Engineering Department.

Assistant Head – Mechanical and Automobile Engineering (Additional Responsibility) | *January 2025 – June 2025*
Rajendra Mane College of Engineering and Technology, Ambav

- Handled additional departmental coordination and academic/administrative responsibilities.

Assistant Professor – Mechanical Engineering | *January 2015 – June 2025*
Rajendra Mane College of Engineering and Technology, Ambav

- Taught undergraduate subjects across thermal, fluid, energy and related engineering areas.
- Guided student projects and research activities, including teams reaching the final round of Smart India Hackathon.
- Served in institutional roles including NBA Core Planning Committee, Program Assessment Committee, Academic Monitoring Committee, College Student Council Faculty Coordinator, NPTEL Local Chapter SPOC and laboratory in-charge.

Lecturer – Mechanical Engineering | *August 2012 – August 2013*
Rajaram Shinde College of Engineering, Pedhambe

- Teaching responsibilities in the Mechanical Engineering Department.

EDUCATION

Qualification	Institute / University	Year	Result
M.E. – Mechanical (Heat Power Engineering)	Maharashtra Institute of Technology, Pune / S.P. Pune University	2015	7.78 CGPA
B.E. – Mechanical Engineering	Rajendra Mane College of Engineering and Technology / University of Mumbai	2012	65.2%
H.S.C.	D. B. J. College, Chiplun / Kolhapur Board	2008	71.67%
S.S.C.	United English School, Chiplun / Kolhapur Board	2006	84.00%

RESEARCH PUBLICATIONS

- "Design and Fabrication of Coco Peat Extraction Machine," International Advanced Research Journal in Science, Engineering and Technology, Vol. 10, Issue 7, July 2023.
- "Design and Fabrication of Single Speed Double Reduction Gearbox of Baja Vehicle," International Journal for Research in Engineering Application and Management, Vol. 04, Special Issue CTRD, 2018.
- "Selection of Parameters of Polymer Matrix Composites for Engineering Applications," International Journal of Advance Research in Science and Engineering, Vol. 06, Issue 04, 2017.
- "Experimental Investigation on Thermo-Acoustic Refrigerator," International Engineering Research Journal, Special Issue 02, pp. 4848–4855, 2015.

SELECTED CONFERENCE PUBLICATIONS

- "Design and Fabrication of Hub-less Bicycle," 4th National Conference on Changing Technology and Rural Development, RMCET, Ambav, 16 April 2022.
- "Design and Fabrication of Electromagnetic Gear Shifter for FSAE Car," 3rd National Conference on Changing Technology and Rural Development, RMCET, Ambav, 21 December 2018.
- "Selection of the Parameters of Polymer Matrix Composite for Engineering Application," 7th International Conference on Recent Trends in Engineering, Science & Management, Pune, 1–2 April 2017.
- "Experimental Investigation on Thermo-acoustic Refrigerator," 1st Post Graduate Conference of Mechanical Engineering, Flora Institute of Technology, Pune, 19–20 July 2015.

KEY ACHIEVEMENTS

- Guided student teams that reached the final round of Smart India Hackathon in 2019, 2023 and 2024.
- Gold Elite certification and top 2% ranking in NPTEL "Introduction to Biomimicry," IIT Madras (among 154 candidates).
- Gold Elite certification and top 2% ranking in NPTEL "Refrigeration and Air Conditioning," IIT Roorkee (among 672 candidates).
- Guided "Design of Solid Waste Management Plant," presented at Mumbai University's 14th Inter-collegiate Avishkar Research Convention 2019–20.

PROFESSIONAL DEVELOPMENT

- STTP on Industry 5.0 in collaboration with SAE India Western Section, 12–17 January 2026.
- ISTE-approved FDP on Advances in Manufacturing in the Context of Industry 4.0, 3–7 February 2025.
- NPTEL course "Introduction to Biomimicry," IIT Madras, August–September 2024; NPTEL+ workshop on Learning Innovation from Nature, November 2023.
- FDPs/workshops on Refrigeration and Air Conditioning, Energy Audit for Industrial Application, Outcome-Based Education, Solar PV System Design using PVSYST, Renewable Energy, Computer-Aided Engineering and Engineering Thermodynamics.

TEACHING PORTFOLIO

Thermodynamics • Fluid Mechanics • Finite Element Analysis • Refrigeration and Air Conditioning • Internal Combustion Engine • Power Plant Engineering • Renewable Energy Sources • Power Engineering • IoT Laboratory

AREAS OF INTEREST & MEMBERSHIP

Thermal Engineering • HVACR and Non-conventional Refrigeration • Biomimicry and Product Development • Sustainable Development • Renewable Energy Sources • Life Member, Indian Society for Technical Education (ISTE), Membership No. LM-109106 (2015).