

CURRICULUM VITAE

Personal Details

Name	Mr. Shivaji S. Kale
Date of Birth	9 th December 1988
Permanent Address	C-104, Amrapali Tower, Ashoka Marg, Nashik, Maharashtra, India, Pin-422011
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Educational Qualifications

Degree / Certificate	Board/University	Institution	Year	Aggregate Score (CPI/%age)
M. Tech (Energy Technology)	Shivaji University , Kolhapur	Department of Technology	July 2012	69.70
B. E. (Mechanical Engineering)	North Maharashtra University	D.N. Patel COE, Shahada	June 2010	66.66
H.S.C.	Pune Board	Shri Chhatrapati Shivaji Junior College, Kolpewadi	June 2006	77.83
S.S.C.	Pune Board	Shri Chhatrapati Shivaji Vidyalay, Kolpewadi	June 2004	77

Experience

*K. K. Wagh I. E. E. & R.,
Amrutdham, Panchavati,
Nashik*

Working as Assistant professor in Department of Mechanical Engineering since July 2011

Online Educational Content Development

- Video lectures prepared and published on YouTube Channel:
<https://www.youtube.com/channel/UCjxQDA3CzCeQO-HAo3e5EVw>
- Udemy Course develop for Undergraduate Mechanical Engineering Students & Practicing HVAC Engineers:
<https://www.udemy.com/course/psychrometry-and-airconditioning-systems/?referralCode=BCCE231EB99F46AC252F>

Research Experience/Grants/Awards

- **Title of the Research Project:**
“Harvesting of Algal Biodiesel (ABD) from Local Algae Species and Testing the Suitability of ABD as a fuel in Diesel Engines”
- **Grant Awarded by BCUD, SP Pune University**
- **Amount: Rs.2, 00,000/-**
- **Period: 2015-2017 (2-years)**

Consultancy

Working as a Coordinator of Energy Efficiency & Management Centre (E²MC) & providing the Consultancy Services to industries since 2017. Our esteem clients are Grand Marriot Resort, Panaji (Goa), C.K. Associates, Sangali and Art Rubber industries, Ambad etc. worth Rs. 5 Lakhs in Energy Audit, Thermal Comfort Projects etc.
The energy consultancy services help the industries to save the electricity and fuel cost of approximately Rs.30 Lakhs.

Training/Resource Person

- Resource person for one day workshop on “**Concepts and Practices for Energy Efficiency Improvement**” organized by Mechanical Engineering Department, KKWIEE&R, Nashik on 7th, Nov, 2020.
- Delivered expert talk on “**Save Energy**” at Pravara Rural Education Society’s , college of Pharmacy (For Women) chincholi, Nashik on 4th Feb, 2019
- Subject expert for **Embedded Automotive Systems** and train the Post graduate Electronics students of Electronics Department of KKWIEE&R, Nashik placed in KPIT as a part of

PACE program in the academic year 2018-19.

- Delivered Expert talk on “**Advance Engine Management Systems**” at Mechanical Engineering Department of SNJB’s College of Engineering, Chandwad (Nashik) on 23rd March, 2017.

Workshops and Trainings attended

- Staff Development Seminar on “**Advanced Heat Transfer Augmentation Techniques**” by Sinhgad Academy of Engineering on 18th and 19th Oct 2013.
- Workshop on “**Emerging trends in Solar Energy, Wind Energy & Fuel Cells**” Organised at PVG’s COE, Nashik in collaboration with University of Pune from 24th to 25th Feb 2012.
- One day Workshop on “**Implementation of Thermodynamics**” Organised at Indira COE&M, Pune in collaboration with University of Pune on 28th Jun 2013.
- Two week ISTE workshop on “**Heat Transfer**” Organised by IIT Bombay during 29th Nov – 10th Dec 2011.
- CE&QIP workshop on “**Engineering Thermodynamics**” for coordinators under NME ICT at IIT Bombay during 21th -23thNov, 2012.
- Successfully completed distance learning course “**General Course on Intellectual Property**” from 17th to 28th Nov, 2016 conducted by World Intellectual Property organization (WIPO)
- ‘Green Building, Energy Efficiency and Energy Policy for Sustainable Future’ Department of Energy Engineering, Assam Science and Technology University (ASTU) and Department of Electrical Engineering, Girijananda Chowdhury Institute of Management and Technology (GIMT), Guwahati, June-13 June, 2020.
- Completed Coursera course on “Energy: The Enterprise by University at Buffalo, The State University of New York, May 2020
- Completed Coursera course on “Indoor Air Quality by The Hong Kong University of Science and Technology, May 2020
- Completed Coursera course on “Municipal Solid Waste Management in Developing Countries” École Polytechnique Fédérale de Lausanne, June 2020
- Completed Coursera course on “Introduction to Thermodynamics: Transferring Energy from Here to There by University of Michigan, June 2020
- Completed Coursera course on “Introduction to Project Management by Coursera project network, June 2020
- Completed Coursera course on “Natural Gas” by University at Buffalo, July 2020.

Workshops and Trainings organised

- Organised workshop on “**Engineering Thermodynamics**” at K. K. Wagh Engineering Institute, Nashik in collaboration with IIT Bombay from 29th November to 10th December 2011.
- Organised workshop on “**Recent developments in power sector: Technology and policy**” for staff and students at K. K. Wagh Engineering Institute, Nashik on 14th and 15th February 2018.
- Organised workshop on “**Advanced Mobility**” for Students at K. K. Wagh Engineering Institute, Nashik on 23rd February 2018 and 17th March 2018.
- Organised One day online workshop on “**Aspect of Green Technologies**” for Students at K. K. Wagh Engineering Institute, Nashik on 25th May, 2020.
- Organised One day online workshop on “**Concepts and Practices for Energy Efficiency Improvement**” for Industry personnel/Academicians on 7th Nov, 2020.

Conferences and Publications

- Kale S.S., “Harvesting of Algal Biodiesel (ABD) from local algae species and testing the suitability of ABD as a fuel in Diesel engine”, Innovation-2015 Regional Research Conference, BCUD, Savitribai Phule Pune University, 1st July, 2015.
- Mr. S. S. Kale, Prof. N.N. Shinde “*Design and Development of CSP Using Convex Lenses for Domestic Water Heating and Steam Generation*” International Journal of Mechanical Engineering and Research, Volume 1 Issue 2 (Page, 74-78), ISSN: 2277-8128.

Academics

- Courses taught: Applied Thermodynamics, Internal Combustion Engines, Refrigeration and Air Conditioning, Energy Audit & Management, Heat Transfer
- In-house project guidance to final year students in the field of I. C. Engines, Heat transfer.
- Lab In-charge of Engine laboratory and Refrigeration & Air Conditioning laboratory.
- Faculty advisor and coordinator of Society of Automotive engineers (SAE) collegiate club
- Coordinator of Energy Efficiency & Management centre (E2MC)

Memberships of Scientific and professional Societies

- Member of Indian Society of Heating Refrigerating & Air Conditioning Engineers (ISHRAE)