

Mr. Chirag Kedar Kale
Assistant Professor
Department of Mechanical Engineering.

Email id: chiragk@sjcem.edu.in

Contact No: 9970805852



EDUCATIONAL QUALIFICATIONS

Sr. No	Qualification	Class	Year of Passing	University
1.	M.Tech Mechanical (Energy Engineering)	First Class with Distinction	2017	K.J.Somaiya College of Engineering (Autonomous Affiliated to Mumbai University)
2.	B.E. Mechanical	First Class	2014	Mumbai University

OTHER EXAMINATIONS PASSED:

Sr. No	Examination	Qualifying Year
1.	Graduate Aptitude Test in Engineering (GATE) – Mechanical Engineering	2015

EXPERIENCE

✓ Academic Experience: Total Experience: 3 years

Sr. No	Organization	Designation	Duration
1	St. John College of Engineering and Management, Palghar	Assistant Professor, Mechanical Engineering	04-01-2018 to till date

MEMBERSHIP OF PROFESSIONAL BODIES

✓ Member, Society of Automotive Engineering (SAE) India

AREA OF INTEREST

- ✓ Renewable Energy Sources,
- ✓ Energy Engineering,
- ✓ Heat Transfer,
- ✓ Refrigeration and Air Conditioning,
- ✓ Design of Thermal Systems.

RESEARCH

Journal Publications:

1. Dr.A.G.Bhave,Chirag Kale, “Development of thermal storage type solar cooker for high temperature cooking using solar salt” Solar Energy Materials and Solar Cells 208, Volume 208, May 2020, 110394 Elsevier Journal Impact factor:6.019.
2. Chirag Kale, Dr.A.G.Bhave,“ Medium High Temperature Industrial Application Application of Solar Energy with Thermal Storage for Process Heating in India” International Journal of Engineering, Education and Technology, ISSN: 2320-883X, Volume 5, Issues 02, 01/04/2017.

Conferences/ Proceedings:

1. Chirag Kale, Dr.A.G.Bhave, “Medium High Temperature Industrial Application Application of Solar Energy with Thermal Storage for Process Heating in India” International Conference on Emerging Trends and Research in Engineering, Navasahyadri Group of Institute, Pune, India.

CERTIFICATION DETAILS

- 1) Completed certified course on Solid Modelling Software (SOLIDWORKS, PRO-E, CATIA).
- 2) NPTEL 8-Week Certification for Course “Steam and Gas Power Systems” with 71% Score.
- 3) NPTEL 8-Week Certification for Course “Introduction to Research” with 78% Score.
- 4) Tata Steel collaborated Capacity Development E-learning certification course on Compressor

STTP/WORKSHOPS

✓ STTP/Workshops Participated:

Sr. No	Topic of STTP/Workshop	Organization	Duration
1	Solar PV System Design in association with Kwatt Solutions Pvt. Ltd. (IITB)	K.J.Somaiya College of Engineering, Vidyavihar, Mumbai	9 th -10 th July,2015 (Two Days)

2	Faculty Development Program on Research Methodology	St. John College of Engineering & Management, Palghar.	21 st -22 nd Sept 2018 (Two Days)
3	Design Thinking and Patenting	St. John College of Engineering & Management, Palghar.	23 rd May 2019 (One Day)
4	Design and Development of Electric & Hybrid Electric Vehicle Technology	College of Engineering, Pune	24 th -28 th Feb 2020 (Five Day)
5	Renewable Energy Sources : A way Ahead	Cummins College Of Engineering For Women,Nagpur (Online)	15 th -21 st May 2020 (One Week)
6	Electrical Vehicle: Changing Future of Automobile Industry	AISSMS College of Engineering (Online)	31 st May 2020 (One Day)
7	Online Teaching and E-Content	S.K. Somaiya College & Indian Institute of Digital Education (Online)	11 th -12 th June 2020 (Two Day)

PROJECTS

✓ Projects Guided:

- 1) “Design and Fabrication of Portable Biogas Digester Using Household Wet Waste”
- 2) “Design and Development of Double Utility Solar Still for Production of Distilled Water and Salt”.
- 3) “Design and Fabrication of Solar Indoor Solar Cooker Using PCM”.
- 4) “Development of Solar Energy Powered Pyrolysis Unit”.
- 5) “Design And Fabrication Of Solar Powered Autoclave”.
- 6) “Design enhancement and modification in double utility solar still,”

Administrative Responsibilities

Treasurer, Megaleio a National Level technical event organized by St. John College of Engineering and Management (SJCEM), Palghar. 2020.