

Sharad Institute of Technology College of Engineering,



Yadrav-Ichalkaranji.



1. Personal Information:

Name: Swapnil Shivaji Sajane

Date of Birth: 25th March 1992

Nationality: Indian

Address: Plot No. R-1, MIDC, Gokul-Shirgaon, Kolhapur.

Phone Numbers: 7588697691

E-mail: Sajane.swapnil@gmail.com

Language Known: English, Marathi, Hindi.

Gender: Male

Research Interest: Heat and Power, Renewable Energy Resources.

Keyskills: Adaptability, Problem Solving, Good Communication, Strong Work Ethics, Leadership, Conflict Resolution.

2. Academic Qualifications:

Sr. No	Course/Degree	University/Board	Year of Passing	% of Marks Obtained	Result/Division
1.	Ph.D (Pursuing)	VTU, Belgavi	–	–	–
2.	ME (Heat and Power Engineering)	Shivaji University	2017	73.11	1 st class with Distinction
3.	BE (Mechanical)	Shivaji University	2013	71.71	1 st class with Distinction
4.	12 th Class	Kolhapur Board	2009	79.33	1 st class with Distinction
5.	10 th Class	Kolhapur Board	2007	84.00	1 st class with Distinction

3. Subjects Taught:

- IC Engines
- Applied Thermodynamics
- Kinematics and theory of Machines
- Sensor and Instrumentation
- Renewable Energy Sources
- Mechanical Engineering Measurement
- Thermodynamics & Heat Transfer

4. Employment Record:

Academic Record:

Sr.No	Institute	Designation	Status	Duration		Total Years
				From	To	
1.	Sharad Institute of Technology, Polytechnic, Yadrav.	Lecturer	Regular	15-06-2013	30-08-2014	1 Year 2 months
2.	Sharad Institute of Technology, College of Engineering	Asst. Professor	Regular	01-09-2014	30-08-2015	1 Year
3.	Sharad Institute of Technology, Polytechnic, Yadrav.	Lecturer	Regular	01-09-2015	31-01-2017	1 Year 5 months
4.	Sharad Institute of Technology, College of Engineering	Asst. Professor	Regular	01-02-2017	30-09-2017	8 Months
5.	Sharad Institute of Technology, Polytechnic, Yadrav.	Lecturer	Regular	01-10-2017	30-06-2019	1 Year 9 Months
6.	Sharad Institute of Technology, College of Engineering	Asst. Professor	Regular	01-07-2019	Till Date	4 Years 8 Months

5. Other Responsibilities:

Sr. No	Post held	From	To
1.	Member of Institute Academic Advisory Board (IAAB)	2014	2015

2.	Head of Industry Institute Interaction Committee.	2014	2015
3.	Dispatch Officer for MSBTE Exam.	2016	2017
4.	Examiner for MSBTE Exam.	2013	2019
5.	Student Mentoring Institute Head	2018	2019
6.	Guest Lecture Committee Head	2022	2024

6. Membership of Professional Societies/Bodies:

Sr. No	Professional Society/Body	Membership class	Membership Number
1.	ISTE	Lifetime	LM 104625
2.	ASHRAE	Student Grade	8259006

7. Project Guidance:

Sr. No	Topic	Year
1.	Turbocharger on Two wheeler.	2013-14
2.	Air engine with Four Wheel Steering.	2013-14
3.	L.P.G. Refrigeration	2014-15
4.	Experimental Investigation of Bio-diesel as An Alternative Fuel.	2015-16
5.	Fabrication of Fork lifting Machine.	2016-17
6.	Sand Filter Mechanism	2016-17
7.	Automatic Ironing and Folding Machine	2017-18
8.	Effect of EGR on Performance and Emission of Diesel Engine	2017-18
9.	Multicrop Solar Tunnel Dryer	2018-19
10.	Design and Manufacturing of Hydraulic fixture for gear housing for VMC.	2019-20
11.	Oil Skimmer	2021-22
12.	Face detection Attendance System	2022-23
13.	Flex Sensor based AI Device for Physically challenged people.	2023-24
14.	Smart wheel Chair	2023-24

8. Research Projects:

Carried out:

1. Research Work on Performance and Emission Characteristics of Engine Fueled with Petro-Diesel and Biodiesel.
2. Research Work on Exhaust Gas Recirculation (EGR) Effect on Emissions of Diesel Engine.

9. List of International/National Journal Publications:

1. Research Paper on “**Experimental Investigation of Exhaust Gas Recirculation (EGR) Effect of Rapeseed oil Methyl Ester (ROME) powered by Variable Compression Ratio (VCR) Diesel Engine**” in MAT Journal, Journal of Industrial Mechanics, 9th January 2017.
2. Review Paper entitled “**An overview of effect of electro hydrodynamic on performance of refrigeration system with R-134a**” in IJESRT, 25th October 2015.
3. Review Paper entitled “**An overview of EGR effect on Emission Characteristics of Diesel engine fuelled with Biodiesel**” in IJESRT, 25th October 2015.
4. Research article entitled as “**Experimental Investigation of LPG as Refrigerant**” in international journal for scientific Research & Development(IJSRD).
5. Research article entitled as “**Acoustics in HVAC system**” in international journal of multidisciplinary & scientific Emerging Research (IJMSER).

10. Workshop's/Seminar/STTP's/Conferences Attended:

1. Participated in One week Faculty Development Program on “**Industrial Automation**” organized by Department of Automation & Robotics, Mechatronics & Electrical Engineering, Sharad Institute of Technology College of engineering in association with IEEE, ISTE & IIC during 23rd December to 29th December 2023.
2. Participated in 8th National Workshop on **Research Methodologies in Fluid Mechanics** organized by IIT, Jodhpur during 12th July to 15th July 2023.
3. Participated in online faculty orientation programme on “**Recent Advances in Modeling & Optimization Techniques**” organized by Department of Mechanical Engineering, SITCOE, Yadrav-Ichalkaranji from 1st June to 5th June 2020.
4. Participated in online faculty orientation programme on “**Academic Writing & IPR**” organized by Department of Mechanical Engineering, SITP, Yadrav-Ichalkaranji approved by ISTE from 8th June to 12th June 2020.

5. Participated in One week workshop on “**Renewable Energy: Application & Entrepreneurship**” organized by S.S.B.T.’S College of Engineering & Technology, Bambhori, Jalgaon during 26th May to 30th May 2020.
6. Participated in one week Faculty development program on “ **Manufacturing & Analysis of Advanced Materials and Engineering Structure**” organized by MLR Institute of technology from 26th May to 30th May 2020.
7. Participated in online faculty development program on “**Renewable Energy Sources: A way Ahead**” organized by Department of mechanical Engineering in association with ASM International pune chapter and ISHRAE Nagpur Chapter during 15th May 2020 to 21st May 2020.
8. Completed the Training in **Pneumatic & Hydraulics Systems** from 03rd October to 5th October 2019 conducted by M/s. KEC International Ltd., Nagpur.
9. Attended one week short term training Program on “**Basic Metrology & GD & T Techniques**” from 08th to 13th April 2019 at Advance Manufacturing System, Gokul-Shirgaon.
10. Attended one week short term training Program on “**Advance Documentation Using Ms-Office 13**” during 06th to 11th April 2018 at SIT, Polytechnic.
11. Attended the Training program workshop on **Moulding & Tool Designing on CATIA** from 23rd to 29th November, 2017.
12. Attended the Training program workshop on Thermal Power plant at **Reliance Dahanu Thermal power plant, Mumbai** from 3rd to 5th August 2017.
13. Attended a short term training programme on “**Recent trends in Manufacturing and Quality Control through SQC, Six Sigma, ISO & Tooling structure**” during 6th May to 11th May 2017 at SIT polytechnic, Yadrav.
14. Participated in one week Faculty Development Programme on “**Technical Pedagogy**” organized by Department of Mechanical Engineering during 7th Dec to 13th Dec 2016 at SITCOE, Yadrav.
15. Participated and presented the paper entitled “**Development and Testing of Heat Recovery System in Domestic Refrigerator**” in a National Conference on Recent trends in Energy Engineering organized by Department of Mechanical Engineering, PVPIT, Budhgaon & sponsored by Maharashtra Energy Development Agency on 9th October, 2015.
16. Attended the training Programme on “**Train the Trainer**” organized by Bharat Forge Limited, Pune for 3 days during Feb. 2015.
17. Attended a Faculty development program on “**Personality Development**” at SITP, Yadrav during June 2015.
18. Attended a short term training programme on “**Teaching Pedagogy & Soft Skill**” approved by ISTE at SITP, Yadrav during May 2015.
19. Attended a one week orientation programme on “**Advanced Trends in PLC- Automation**” sponsored by ISTE at SITCOE during Dec. 2015.

20. Participated in a TWO week ISTE workshop on “**Engineering Mechanics**” conducted by IIT, Bombay during Dec. 2013

11. Achievements:

1. Achieved **Top 2% Rank in NPTEL Exam** 8 Week course on Subject “**Research Methodology**” during **August-October 2023**.
2. Qualified **GATE-2014** organized by IIT-Kharagpur.
3. Ranked 1st during Post graduation at College Level (Academic Year 2016-17).
4. Taught subjects like Thermal Engineering, Measurement & Control, Power Engineering, Autocad, Management, Renewable Energy Resources with results above 90 percent.

I hereby declare that the information above is true to the best of my knowledge.

Mr. S. S. Sajane