

Faculty Profile

- **Faculty Name** : Pramod Sarjerao Ladgaonkar
- **Designation** : Assistant Professor
- **Department** : Mechanical Engineering
- **Mobile No.** : 9404974108
- **Email Id.** : psl@amgoi.edu.in

● Educational Qualification

Sl.	Degree	University	Class
1	B.E.- Mechanical Engineering	Shivaji University, Kolhapur	First with distinction
2	M. E. – Heat and Power Engineering	Shivaji University, Kolhapur	First class
3	Ph. D. Scholar	Shivaji University, Kolhapur	

● Professional experience:-

Total experience in years:-16

Teaching: - 14

Industrial: -02

Research: -00

Sl.	Organization	Post	Period
1	Ashokrao Mane Group of Institutions, Vathar	Assistant Professor	08 January 2016 to Till Date
2	Ashokrao Mane Polytechnic, Vathar	Lecturer	13 July 2011 to 07 January 2016
3	Manugraph India Limited. Unit No 2 Kodoli	Trainee Engineer	23 March 2010 to 22 March 2011
4	Bill-Tube India Pvt. Ltd., Warananagar	Maintenance Engineer	15 July 2009 to 20 March 2010

➤ Subject Taught: -

Undergraduate Subjects			
1	Heat Transfer	2	Refrigeration and Air Conditioning
3	Applied Thermodynamics I	4	Applied Thermodynamics II
5	Fluid and Turbo Machinery,	6	Energy and Power Plant Engineering,
7	Solar Energy	8	Basic Mechanical Engineering
9	Machine Drawing & CAD	10	Manufacturing Technology – I
11	Renewable Energy Sources	12	Sheet Metal Engineering
Postgraduate Subjects			
1	Tribology in Design	2	Design of Piping systems

- **Project Work at U.G.:-** Thermo-Press Tyre Repairing Machine.
- **Project Work at P.G.:-** Development and Performance Evaluation of Selective Coating of Absorber Tube for Parabolic Trough Collector

- **Research Area of Interest:** - Heat Transfer, Heat Recovery, Refrigeration
- **Book Published:** -
 - 1) Recent Practices in Conventional and Non-conventional Energy Resources. 2015 (ISBN 13) , <https://www.ompublications.in/product/books/OM22387> Himalaya Publishing House, Chapter Writing.
 - 2) Thermodynamics and Heat Transfer, JVK Publications, <https://books.jvktech.com/product/thermodynamics-and-heat-transfer/>
- **Paper Published in National & International Journal:-**

Sl.	Title	Name of Journal	Type* (NJ/IJ)	Date	ISSN No.
1	Review paper on selective coating of absorber tube	IJESRT	IJ	April 2014	2277-9655
2	Development and Performance Evaluation of Selective Coating of Absorber Tube for Parabolic Trough Collector”	IJAIEEM	IJ	Nov. 2014	2319-4847
3	A Review Paper on Solar Thermal Energy Storage System	IJESRT	IJ	Oct. 2015	2277-9655
4	Investigating The Influence of Cracks on The Vibration Characteristics of Shaft (Tata Ace) Using Theoretical Analysis, Fea and Experimental Methods	IRJMETS	IJ	July-2025	e-ISSN 2582-5208
5	Design and Development and Analysis of Fixture for Cylindrical Cap with an Approach to Improve Productivity	ISTEONLINE	IJ	January-March 2025	0971-3034
6	Optimization Of Cutting Tool Design and Performance Analysis for Hard to Cut Material	IRJMETS	IJ	July-2025	E-ISSN 2582-5208
7	Failure Analysis and Design Optimization of Journal Bearings for Enhanced Performance	IRJMETS	IJ	July-2025	E-ISSN 2582-5208
8	Stress Analysis of Chain Sprockets in Belt Conveyor Systems by Using Photo stress And Finite Element Analysis Method	Irjmets	IJ	July-2025	E-ISSN 2582-5208
9	Design, Analysis and Optimization of Tool Inserts for Turning Operations to Enhancing Performance	IRJMETS	IJ	July-2025	E-ISSN 2582-5208
10	Development & Analysis of Epoxy Based Composite Material by Using Natural Fibers and Finding Its Mechanical Properties and Sliding Wear Behaviour	IRJMETS	IJ	July-2025	E-ISSN 2582-5208
11	Investigation and analysis of infill pattern and layer thickness on tensile strength of PLA and PETG material in 3D printing. Status of Article	WJAETS	Ij	Aug-2025	2582-8266
12	A Comprehensive Review of Waste Heat Recovery from Industrial Refrigeration Systems: 33 A Case Study of Warana Milk Dairy	ISTEONLINE	IJ	April 2025	0971-3034

* NJ- National Journal

IJ- International Journal

➤ **No. of Project Guided at U.G. Level:-** 85

➤ **No. of Project Guided at P.G. Level:-** 11

➤ **STTP/FDP/Workshops/Attended/Participated: -**

Sl.	Name of STTP/FDP/workshop	Organized By	Date
1	Induction training program Phase I Conducted by NITTTR	Ashokrao Mane Polytechnic, Vathar	14 – 25 May 2012
2	Induction training program Phase II conducted by NITTTR	BVJNIOT, Pune	11 – 22 May 2015
3	CNC programming & machining	AMP Vathar	19 – 23 Dec. 2011
4	Computational Fluid Dynamics	Government College of Engineering, Karad	28/03/2013 To 01/04/2013
5	Building Energy Code 2018	SIT yadav	17 – 23 Jun. 2018
6	Renewable energy past, present, future.	AMGOI, vathar	5-17 Feb. 2018
7	Research optimization techniques	AMGOI, vathar	30/12/2019 to 4/01/2020
8	Training to research scholar on research gap identification	AMGOI, Vathar	6,7/03/2020
9	Recent trends in Refrigeration and Air Conditioning	TKIET warana	27-28 jan. 2018
10	LaTeX	AMGOI, Vathar	06-11 Jan. 2025
11	PLC Training	AMGOI, Vathar	July 2024
12	Drone Technology	AMGOI, Vathar	July 2024
13	Green Skills and Artificial Intelligence	AMGOI, Vathar	18-24 Dec. 2024
14	Emerging Trends in Artificial Intelligence	AMGOI, Vathar	29/12/2025 To 03/01/2026
15	Digitization: Bridging the Present & Future	AMGOI, Vathar	30/10/2025 to 1/11/2025

➤ **Programs Organized: -**

Sl.	Name of Program	Institute	Date
1	1 Week SDP on, “PLC and SCADA” training	AMGOI	April,2024
2	1 Week CNC workshop	AMP, Vathar	Dec., 2011
3	1 Week FDP on, “Industry 4.0 and Industry 5.0: Challenges and Applications”	AMGOI	Feb 2026

➤ **Special Achievements: -**

1. Recognized as **Active SPOC** by Swayam-NPTEL for the JAN-APR 2024 semester.
2. Recognized as **Active SPOC** by Swayam-NPTEL for the JUL-DEC 2024 semester.

➤ **Departmental Responsibilities: -**

1. Ready Engineer Program Co-coordinator
2. Class Coordinator
3. Heat Transfer Lab in charge.
4. NAAC and NBA Cr.1

➤ **Other Experience/Responsibilities If Any: -**

1. PG Design Coordinator
2. NPTEL Central Coordinator
3. Social Media Coordinator
4. Central Marketing Coordinator. (Sanstha Level)

➤ **Social Contribution If Any: -** Tree Plantation, Blood Donation.

➤ **Professional Membership If Any: -** Life member of ISTE (LM 111407)