

Faculty Profile

- **Faculty Name :** Dr. Amit Subhash Shelake
- **Designation :** Associate Professor
- **Department :** Mechanical Engineering
- **Mobile No. :** 9175832844
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• Educational Qualification

Sl.	Degree	University	Class
1	B.E. Mechanical Engineering	Shivaji University, Kolhapur Maharashtra.	First Class
2	M. E. Mechanical –Design Engineering	Shivaji University, Kolhapur Maharashtra.	First Class
3	Ph.D Mechanical Engineering	Bharati Vidyapeeth , Pune	Awarded

• Professional experience:- 14

Teaching: - 14

Industrial: -00

Research: -00

Sl.	Organization	Post	Period
1	Ashokrao Mane Group of Institutions, Vathar	Dean, IQAC, & Associate Professor	02 May 2025 to Till Date
2	Dr. A. D. Shinde Institute of Technology, Bhadgaon (Gadhinglaj)	Principal	21 June 2022 to 30 April 2025
3	Vidyavardhini Institute of Technology, Pal	Principal	09 September 2019 to 20 June 2022
4	Sanjeevan Engineering & Technology Institute, Panhala	Assistant Professor	01 July 2014 to 31 August 2019
5	Ashokrao Mane Polytechnic., Ambap	Lecturer	26 June 2013 to 30 April 2014
6	T.K.I.E.T., Warananagar	Lecturer	09 July 2012 to 31 January 2013

➤ Subject Taught:-

Undergraduate Subjects			
1	Engineering Graphics	6	Theory of Machines
2	Mechanical System Design	7	Basic Mechanical Engineering
3	Machine Design	8	Power Plant Engineering
4	Renewable Energy Engineering	9	Power Engineering
5	Strength of Materials	10	

- **Project Work at U.G.:-** Design & Manufacturing of Jig for Dip Stick Flange (Sponsored by CASPRO METAL Industries Pvt. Ltd., MIDC, Kolhapur)
- **Project Work at P.G.:-** Bending Stress Analysis of Worm Wheel of Winch Machine using Experimental & FEA
- **Project Work at Ph.D.:-** Performance Analysis of tilted wick type regenerative solar still to enhance the productivity
- **Research Area of Interest:-** Mechanical Design Engineering, Renewable Energy, Solar Still

➤ **Paper Presented in National & International Conference:-**

Sl.	Title	Name of Conference & Institute	Type* (NC/IC)	Date
1	A Comprehensive Review of Methods for Analysis of Solar Still	2nd International Conference on Recent Innovations in Energy Management and Renewable Energy (IEMRE 2022) Institute of Engineering & Management, Kolkata, India in association with the Solar Energy Society of India (SESI)	IC	25th to 27th February 2022
2	Experimental study on ACP solar still for productivity enhancement using wick material and by glass cover cooling	5th International Conference on Advanced Technologies for Societal Applications SVERI's College of Engineering, Pandharpur (An Autonomous Institute)	IC	13th and 14th December 2024
3	Performance evaluation of SS-304 solar still: Experimental and ANSYS-CFD approach	Int. Conf. Integrated Research and Sustainable Development (ICIRSD–2025) organized by Ashokrao Mane Group of Institutions, Kolhapur, India, 2025, ISBN: 978-93-344-3977-9.	IC	30, 31 oct-01 Nov, 2025

➤ **Paper Published in National & International Journal:**

Sl.	Title	Name of Journal	Type* (NJ/IJ)	Date	ISSN No.
1	Bending Stress Analysis of Worm Wheel of Winch Machine Gearbox Using 3D Photoelasticity & FE Analysis	International Journal of Engineering Technology, Management and Applied Sciences	IJ	2014	2581-4621
2	CFD Analysis of Manipulator Cabin by Selecting Proper Air Conditioning System	International Journal of Engineering Research and Applications	IJ	2017	2248-9622
3	Desalination using solar stills: A review	Environmental Progress and Sustainable Energy (SCOPUS & WOS Indexed)	IJ	2022	1944-7442
4	Experimental Design and analysis of Vibration Assisted Solar Still for High Demand Fresh Water Applications based on Response Surface Methodology	Journal of Vibration Engineering and Technologies (SCOPUS & WOS Indexed)	IJ	2025	2523-3920
5	Optimization of ultrasonic vibration-assisted dissimilar laser welding of Inconel 625 and 316L stainless steel using a hybrid interpretable artificial intelligence framework	Journal of Engineering Materials and Technology, ASME, vol. 148, Jan. 2026, doi: 10.1115/1.4069992. (Indexed in SCOPUS and Web of Science; Impact Factor: 1.9)	IJ	2025	0094-4289

- **No. of Project Guided at P.G. Level:- 04**
- **Expert Lectures Delivered as a Resource Person:-**

Institute	Topic	Date
Ashokrao Mane Polytechnic, Vathar	Designing of POs, PSOs, PEOs, COs with Bloom's Taxonomy	29/01/2024
Ashokrao Mane Polytechnic, Vathar	Analysis Techniques in Mechanical Design Engineering	2026

- **STTP/FDP/workshop- Attended/Participated:-**

Name of STTP/FDP/workshop/Conference	Date	Institute
Attended 01 week ATAL FDP completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Next-Gen Manufacturing: Embracing Industry 4.0	2025	Shri Balasaheb Mane Shikshan Prasarak Mandal's Ashokrao Mane Group of Institutions, Vathar
Attended a 01-week Faculty Development Program (FDP) under ISTE on "Innovative Pedagogies for Educator Empowerment to Increase Students Engagement	2025	Dr. A. D. Shinde Institute of Technology, Bhadgaon
Organized and attended 02 Days FDP under ISTE on "Renewable Energy Sources"	2024	Dr. A. D. Shinde Institute of Technology, Bhadgaon
Organized and attended 02 days FDP under ISTE on "Applied Thermodynamics"	2024	Dr. A. D. Shinde Institute of Technology, Bhadgaon
Organized and attended 02 days FDP under ISTE on "Research Methodologies"	2023	Dr. A. D. Shinde Institute of Technology, Bhadgaon
Organized and attended 02 days FDP under ISTE on "Introduction to NBA Accreditation"	2023	Dr. A. D. Shinde Institute of Technology, Bhadgaon
Organized and attended 02 days FDP on "Recent Trends in Mechanical Engineering"	2022	Dr. A. D. Shinde Institute of Technology, Bhadgaon
Attended 03 days STTP under ISTE on "Advanced Trends in Mechanical Engineering"	2023	Ashokrao Mane Polytechnic, Vathar.
Attended one week FDP under ISTE on "Future Perspective of Non - Conventional, Renewable & Clean Energy Resources"	2022	Sanjeevan Engineering & Technology Institute, Panhala
Organized & attended one week STTP under ISTE on "Eco-friendly Engineering"	2022	Vidyavardhini Institute of Technology, Pal
Organized & attended one week STTP under ISTE on "Technical Teacher's Training"	2020	Vidyavardhini Institute of Technology, Pal
Attended Two weeks' online workshop on "Advanced CFD for Industrial Applications"	2020	Rajarambapu Institute of Technology, Rajaramnagar
Organized & attended One day workshop on "Essentials of Pedagogy"	2020	Vidyavardhini Institute of Technology, Pal

Attended One Week workshop on “Moodle Learning Management System”	2020	jointly organized by Anantrao Pawar College of Engineering & Research, Parvati, Pune & in association with spoken tutorial, IIT Bombay
Attended Five days online Faculty Development Training Program on “Online Platforms for Distance Education”	2020	Rajarambapu Institute of Technology, Rajaramnagar
Attended Two days’ workshop on “3D Printing & its Applications”	2019	Bharati University, College of Engineering, Pune
Attended Two days’ workshop on “LaTeX”	2019	Bharati University, College of Engineering, Pune
Attended One-week STTP approved by ISTE on Recent Trends in Manufacturing Processes	2017	Sanjeevan Engineering & Technology Institute, Panhala
Attended One day “Faculty Induction Program”	2017	DBATU, Lonere
Attended One Day Workshop for faculty on Intellectual Property Rights & Patenting, under Lead College Activity	2016	Sanjeevan Engineering & Technology Institute, Panhala
Attended ISTE Convention	2014	Tataysaheb Kore Institute of, Engineering and Technology, Warananagar

- **Responsibilities:**
 - : Dean, IQAC
 - : NBA Criteria 09 coordinator
- **Other Experience/Responsibilities If Any :-**
 - Worked as a Co-convenor for the International Conference on Integrated Research & Sustainable Development (ICIRSD) 2025 organized by Shri Balasaheb Mane Shikshan Prasarak Mandal's Ashokrao Mane Group of Institutions, Vathar (2025).
 - Worked as a Session Chair for the International Conference on Integrated Research & Sustainable Development (ICIRSD) 2025 organized by Shri Balasaheb Mane Shikshan Prasarak Mandal's Ashokrao Mane Group of Institutions, Vathar (2025).
- **Social Contribution If Any:-** Blood Donation
- **Professional Membership If Any:-** ISTE Lifetime Membership