

**SRES', Sanjivani College of Engineering, Kopergaon**  
(An Autonomous Institute affiliated to SPPU, Pune)

## Staff Profile

Personal Information			
<b>Name of Teaching Staff: (Dr.) Nilesh Dattatray Sadaphal</b>			
<b>Designation: Assistant Professor</b>			
<b>Department : Mechanical Engineering</b>			
<b>Date of joining : 23<sup>rd</sup> Feb, 2010</b>			
<b>E Mail ID :</b>	<a href="mailto:sadaphalnileshmech@sanjivani.org.in" style="color: blue; text-decoration: underline;">sadaphalnileshmech@sanjivani.org.in</a>		
<b>Contact No:</b>	(+91) 8087889397		
Education Details			
Qualification	Specialization with Class or Grade	University	Year
UG	Mechanical Engineering	Pune University	2003
PG	Design Engineering	Pune University	2006
PhD	Mechanical Engineering	JIT University	2025
Total experience in years:			
<b>Teaching:</b>	<b>15 years</b>		
<b>Industry:</b>	-		
Research and Publications			
<ol style="list-style-type: none"> <li>1. Nilesh Sadaphal and Yogesh Bhavsar, Tribological Behavior of Polytetrafluoroethylen and Its Composites Using the Taguchi Method,Asian Review of Mechanical Engineering DOI: <a href="https://doi.org/10.51983/arme-2023.12.2.4083" style="color: blue; text-decoration: underline;">https://doi.org/10.51983/arme-2023.12.2.4083</a>.</li> <li>2. Sadaphal Nilesh, Dr. S. Chakradhar Goud, Dr. Manthri Hanuman, Mechanical Property Analysis And Validation of Epoxy Resins Using Modeling Techniques, AIJREAS. (ISSN-2455-6300)</li> <li>3. Nilesh Sadaphal, Tribological Behavior of Polytetrafluoroethylene and Its Composites Using the Taguchi Method, Asian Review of Mechanical Engineering 12 (2), 17-20</li> <li>4. Nilesh Sadaphal, Optimisation of Wear Parameters of Composite Polytetrafluoroethylene (35 % carbon filled PTFE) by Fuzzy Logic, National Conference on Innovation in Mechanical Engineering [NCIME-2015].</li> <li>5. Bhosale K.C. and N. D. Sadaphal, Application of Fuzzy Logic method for optimisation of Wear Parameters of Composite Polytetrafluoroethylene (25 % carbon filled PTFE), International Journal of Current Engineering and Technology ISSN 2277 - 4106</li> </ol>			

Research Profile URL			
Google Scholar	https://scholar.google.com/citations?view_op=list_works&hl=en&authuser=1&hl=en&user=B2luJUkAAAAJ&authuser=1		
Scopus			
Orcid	https://orcid.org/0000-0002-3561-9749		
publons			
Other Research Details			
Ph D Guide ?Give field & University:	PhD Guide: No		
Books Published	-		
IPRs/Patents	<b>Patent Granted: 02</b> <b>1. CONVERTIBLE WHEEL .</b> Certificate No: : 177929 Design No.: 416642 Date of Issue: 14/08/2024 <b>2. Multi Purpose Jig</b> Certificate No: 184099 Design No.: 428119 Date of Issue: 04/11/2024		
Professional Memberships:	Tribology Society of India (TSI)		
Interaction with professional institutions	--		
Consultancy Activities			
Duration	Title of Activity	Issued Organi	Amount
--	--		--
Grants fetched			
Duration	Title	Issued Organiz	Amount
2019-2023	Underwater Friction Stir Welding of Magnesium Alloy	ASPIRE, SPPU Pune	Rs. 270000/-
Awards			
1. "TOP Performing Mentor" 2024, NPTEL IIT Madras. 2. "Participating Mentor" 2024, AAkruti Global 2024.			

## FACULTY DEVELOPMENT PROGRAMMES ATTENDED

<b>Name of the FDP / Workshop</b>	<b>Organization</b>	<b>Duration</b>	<b>Month-Year</b>
One week International Level Faculty Development program : AI Innovations and MATLAB Solutions	Design Tech and MathWork India	Six days 23-28 Sept. 2024	Sept 2024
Material Characterization and Optimization	CVR COE, Vastunagar, Telangana	Five days 24-28 Sept.	Sept 2024
3D Printing & Additive Manufacturing	NIT Mizoram	Five days 12-16 March	March 2024
Research Methodology using ChatGPT and AI tools	IQAC of LUC MRC, Marian College, Kuttikanam	Nine days 21-29 Sept.	Sept 2023
Outcome Based Education	IQAC of JPM Arts & Science College, Kanchiyar, Idukki	Seven days 16-22 Feb. 2023	Feb 2023
Analysis of Engineering System using Creo	Bharatiya Vidya Bhavan's Sardar Patel College of Engineering, Mumbai	Six days 1-6 Aug 2022	Aug 2022
Roadmap for Effective Research using Advanced Techniques and Tools	NIT, Calicut	Five days 14-18 Feb. 2022	Feb 2022
Application of Artificial Intelligence and Machine Learning In Mechanical Engineering	Dr. D. Y. Patil Institute of Technology, Pune	Five days 22-26 March 2021	March 2021
Research Methodologies and Advanced optimization	MIT WPU, Kothrud, Pune	Five days 16-20 Dec	Dec 2019
11th Summer School in Tribology	IIPM, Gurugram	Five days 14-18 May	May 2019
CNC machining with Advanced CAD-CAM application	IIT, Kharagpur	Six days 20-26 April 2018	April 2018
Advanced Optimization Technique	MNIT, Jaipur	Five days 21-25 Nov	Nov 2016
Advanced Engineering Optimization Through Intelligent Techniques(AEOTIT)	SVNIT Surat	Five days 24-28 March 2014	March 2014

WORKSHOP/EVENT ORGANIZED				
Name of the EVENT	Organization	Duration	Month-Year	
Sanjivani Techno-Fest 2K23	Sanjivani COE Kopargaon	One day	May 2023	
Sanjivani Tech Fest 2K19	Sanjivani COE Kopargaon	Two day	Feb 2019	
Sanjivani Tech-Fest 2K2016	Sanjivani COE Kopargaon	Two day	Sept 2016	
Sanjivani Tech-Fest 2K15	Sanjivani COE Kopargaon	Two day	March 2015	
CAPSULE COURSE ORGANIZED				
Name of the FDP / Workshop/Course	Organization	Duration	Month-Year	Capacity
Advanced AutoCAD course	Mech Dept, Sanjivani COE Kopargaon	40 hrs	Sept 2024	25
Certificate course on 2D Drafting by using Auto-CAD	Mech Dept, Sanjivani COE Kopargaon	40 hrs	Feb 2024	35
Certificate course on 2D Drafting by using Auto-CAD	Mech Dept, Sanjivani COE Kopargaon	40 hrs	April 2023	29
Certificate course on 3D Modelling with Creo 8.0	Mech Dept, Sanjivani COE Kopargaon	50 hrs	Sept 2022	30
Certificate course on 3D Modelling	Mech Dept, Sanjivani COE Kopargaon	68 hrs	Feb 2019	30
Certificate course on Auto Cad 2D & 3D Modelling	Mech Dept, Sanjivani COE Kopargaon	1 day	Sept 2018	20
Auto-Lisp Programming	Mech Dept, Sanjivani COE Kopargaon	2 days	July 2017	25
Auto-Lisp Programming	Mech Dept, Sanjivani COE Kopargaon	2 days	Aug 2016	25
INVITED LECTURES IN CONFERENCE/SEMINAR				
Title of Lecture/ Academic Session	Title of Conference/ Seminar etc.		Organized By	
AutoCAD Modelling	One day Workshop on AutoCAD		ITI, Shirdi (April 2025)	
OTHER Professional URLs				
Linked In Profile	<a href="https://www.linkedin.com/in/nilesh-sadaphal-10718429/">https://www.linkedin.com/in/nilesh-sadaphal-10718429/</a>			
YouTube Channel	<a href="https://www.youtube.com/@nilehsadaphal15">https://www.youtube.com/@nilehsadaphal15</a>			

<b>Any Other:</b>	<b>NPTEL Course Completed</b>	<b>Score</b>
<b>1</b>	Computer Integrated Manufacturing	82/100 (Elite+Silver)
<b>2</b>	Engineering/Architectural Graphics part II: Isometric and Axonometric Drawings	87/100 (Topper+Elite+Silver)
<b>3</b>	Engineering/Architectural Graphics - part I - Orthographic projection	77/100 (Elite+Silver)
<b>4</b>	Accreditation And Outcome Based Learning	82/100 (Elite+Silver)
<b>5</b>	Teaching And Learning in General Programs: TALG	73/100 (Elite)
<b>6</b>	Total Quality Management II	52/100 (Elite)
<b>7</b>	Total Quality Management I	79/100 (Elite)
<b>8</b>	Six Sigma	57/100