


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

## Staff Profile

Personal Information			
<b>Name of Teaching Staff: Mr. Thorat Sandip R.</b>			
<b>Designation: Assistant Professor</b>			
<b>Department : Mechanical Engineering</b>			
<b>Date of joining : 09/07/2010</b>			
<b>E Mail ID :</b>	thoratsandipmech@sanjivani.org.in		
<b>Contact No:</b>	9970067018		
Education Details			
Qualification	Specialization with Class or Grade	University	Year
<b>UG</b>	BE Mech Engg 1 <sup>st</sup> class	Pune	2008
<b>PG</b>	ME Design Engg 1 <sup>st</sup> class	SPPU Pune	2012
<b>Ph.D</b>	Mechanical Engg	SPPU Pune	Thesis Submitted
Total experience in years:			
<b>Teaching:</b>	13 Years		
<b>Industry:</b>	00		
Research and Publications			
<p>S. R. Thorat , Dr.Y.R.Kharde , Effect Of Welding Conditions On Residual Stresses And Heat Source Distribution On Temperature Variations On Butt Welds : A Review, International Journal of Engineering Research and Applications (IJERA),Vol. 3, Issue 1, ISSN: 2248-9622,Pp-1434-1439,January-February2013 [<a href="https://www.ijera.com/papers/Vol3_issue1/HL3114341439.pdf">https://www.ijera.com/papers/Vol3_issue1/HL3114341439.pdf</a>]</p> <p>S.B. Kharde , A.K. Mahale , K.C. Bhosale, S. R. Thorat., Flexural Vibration of Thick Isotropic Plates By Using Exponential Shear Deformation Theory, International Journal</p>			

of Emerging Technology and Advanced Engineering (IJETAEE) Volume 3, ISSN 2250-2459, Issue 1, January 2013.

S. R. Thorat, Dr. A. G. Thakur, Optimization Of Burnishing Parameters By Taguchi Based GRA Method Of AA 6061 Aluminum Alloy, Materials Today: Proceedings (Elsevier), Volume5, Issue 2, Part 2, 2018, Pages 7394-7403.  
[doi.org/10.1016/j.matpr.2017.11.410]

S. R. Thorat, Dr. A. G. Thakur , Analysis of Surface Roughness and Wear Resistance in Low Plasticity Burnishing Process using Multi-objective Optimization Technique, Materials Today: Proceedings (Elsevier), Volume 41, Part 5, 2021, Pages 1082-1088.  
[doi.org/10.1016/j.matpr.2020.07.543]

#### **Papers presented in conferences:**

S. R. Thorat, Dr. A. G. Thakur, Preliminary Investigations of Low Plasticity Burnishing Process on Mechanical Properties of Aluminum Alloy ,Recent Advances in Manufacturing (RAM-2021), SVNIT Surat, June 2021.

#### **Research Profile URL**

<b>Google Scholar</b>	<a href="https://scholar.google.com/citations?user=mlkLg6QAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=mlkLg6QAAAAJ&amp;hl=en</a>
<b>Scopus</b>	<a href="https://www.scopus.com/authid/detail.uri?authorId=57201737595">https://www.scopus.com/authid/detail.uri?authorId=57201737595</a>
<b>Orcid</b>	<a href="https://orcid.org/my-orcid?orcid=0000-0002-8445-8646">https://orcid.org/my-orcid?orcid=0000-0002-8445-8646</a>

#### **Other Research Details**

<b>Ph D Guide ?Give field &amp; University:</b>	Nil
<b>Ph Ds/ Projects Guided:</b>	Nil
<b>Books Published</b>	Nil
<b>IPRs/Patents</b>	Nil
<b>Professional Memberships:</b>	LMISTE, IE
<b>Interaction with professional institutions</b>	Nil

#### **Consultancy Activities**

Duration	Title of Activity	Issued Organization	Amount
Nil			
<b>Grants fetched</b>			
Duration	Title	Issued Organization	Amount
2019-2021	Investigations of Influence of Burnishing Process on Surface Properties of Aluminum Alloy	ASPIRE SPPU Pune	3.00 Lac
<b>Awards</b>			
<b>Please write/type Here</b>			
<b>FACULTY DEVELOPMENT PROGRAMMES ATTENDED</b>			
Name of the FDP / Workshop	Organization	Duration	Month-Year
Condition Monitoring of Machine Elements using FFT Vibration Analyzer	Sanjivani College of Engineering , Kopargaon	02 days	July - 2013
Design of Experiments (DoE) in Engineering and Technology	AJMVPS , College of Engineering , Ahmednagar	02 days	Dec-2013
Applications of Neural Network , Fuzzy Logic and Genetic Algorithm in Engineering	Sanjivani College of Engineering , Kopargaon	02 Days	April - 2014
Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT )	Sardar Vallabhbhai National Institute of Technology (SVNIT ) , Surat	05 Days	Dec-2014
Design of Machine Elements with standard Practices Used in Design Office	Sanjivani College of Engineering , Kopargaon	02 Days	Jan-2015
Manufacturing excellence.... path to global competitiveness of indian manufacturing inc	Amrutvahini College of Engineering, Sangamner	15 Days	April-May 2015
Design of Experiments and Optimization Techniques (DOE_OT)	Sanjivani College of Engineering , Kopargaon	05 Days	June - 2015

Finite Element Methods for Engineering Applications (FEM- FEA 2016)	Sanjivani College of Engineering , Kopargaon	02 Days	Feb 2016
Virtual Lab	Sanjivani College of Engineering , Kopargaon	01 Day	April 2016
Research Methodology	Sanjivani College of Engineering , Kopargaon	02 Days	May - 2016
Condition Monitoring of Rotating Machinery using Vibration Analysis	Sanjivani College of Engineering , Kopargaon	01 Day	Oct -2016
Ultra High Precision Machine Tools- Design and Characterization	Indian Institute of Technology (IIT) MADRAS	06 Days	March - 2018
Patenting for Innovations	Sanjivani College of Engineering, Kopargaon	05 Days	May 2020
Innovation , Entrepreneurship and its Relevance in Industry 4.0 Practices in the Post Covid-19 Situation	Terna Engineering College, Mumbai	05 Days	May 2020

#### **FACULTY DEVELOPMENT PROGRAMMES ORGANIZED**

<b>Name of the FDP / Workshop</b>	<b>Organization</b>	<b>Duration</b>	<b>Month-Year</b>	<b>Capacity</b>
Use of Excel In Engineering Applications	Sanjivani COE Kopargaon	03 days	2018	32

#### **INVITED LECTURES IN CONFERENCE/SEMINAR**

<b>Title of Lecture/ Academic Session</b>	<b>Title of Conference/ Seminar etc.</b>	<b>Organized By</b>
Nil		

#### **OTHER Professional URLs**

<b>Personal Website</b>	Nil
<b>Linked In Profile</b>	<a href="https://www.linkedin.com/in/sandip-thorat-064a4912a/">https://www.linkedin.com/in/sandip-thorat-064a4912a/</a>
<b>GitHub URL</b>	
<b>YouTube Channel</b>	<a href="https://www.youtube.com/channel/UCPSiJaaF8_ZSNi82CQR620g">https://www.youtube.com/channel/UCPSiJaaF8_ZSNi82CQR620g</a>
<b>Other</b>	