


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

Staff Profile

Personal Information			
Name of Teaching Staff: Dr Prasad M Patare			
Designation: Associate Professor and Dean Alumni			
Department : Mechanical Engineering			
Date of joining : 23/08/2004			
E Mail ID :		patareprasadmeh@sanjivani.org.in	
Contact No:		9423386703	
Education Details			
Qualification	Specialization with Class or Grade	University	Year
UG	Mechanical, 75% (First Class with Distinction)	Savitribai Phule Pune University, Pune	2002
PG	Mechanical, 65% (First Class)	Savitribai Phule Pune University, Pune	2004
Ph.D	Mechanical	SRTM University Nanded	2019
Total experience in years:			
Teaching:		17 Yrs	
Industry:		0.9 Yrs	
Research and Publications			
<ol style="list-style-type: none"> 1. "Optimization of Glass fiber and MoS₂ Filled PTFE Composites Using Non Traditional Optimization Techniques" Material Today Proceeding (Elsevier) https://doi.org/10.1016/j.matpr.2017.11.400. 2. "Tribological Failure Analysis of Journal Bearings Used in Sugar Mill" Journal of Brazilian of Mechanical Sciences and Engineering (Springer) Submitted on 16 November 2016 and under review 			

3. *"Dry Sliding Wear Performance Optimization of MoS₂ Filled PTFE Composites Using Taguchi Approach"* at Springer International Publishing Jr of Springer Nature DOI : 10.1007/978-3-319-53556-2_91
4. *"Tribological Performance Analysis of Polymer Composite Using Nontraditional Optimization Technique"* National Tribology Conference "NTC-2016" at Indian Institute of Technology (Banaras Hindu University) Varanasi on 08 to 10 December 2016 organized by Tribology Society of India.
5. *"Effect of Filler Glass Fibre on the Tribological Properties of the PTFE composites"*, International Journal of Innovation Research in Science, Engineering and Technology. Vol 3 November 2014, ISSN :2319-8753, DOI :10.15680/
6. *"Analysis of PTFE composites as Bearing Material"* in Bonfrings International Journal of Industrial Engineering and Management Science. Vol 3, No2, DOI 10.9757/BIJEMS 4406
7. *"Wear Studies of Aluminum Zinc Alloy Metal Matrix Composites"* in International Journal of Engineering Science and Technology (IJEST) ISSN :0975-5462
8. *"Analysis of PTFE composites as Bearing Material"* on 22-24 February 2013 at SNJB Chandwad (Maharashtra) ISBN:978-81-926080-0-6.
9. *"Effect of Bronze on PTFE Composite"*, in NCSME 2014
10. *"Tribological Performance Analysis of Polymer Composite Bearing Materials"* at international Conference on Industrial Tribology (ICIT 2010) at Ranchi by Tribology Society of India on 2nd-4th December 2010.
11. *"Design & Finite Element Analysis of a 24 Feet 2 Axle Flat Bed Semitrailor Chassis"* on 15th – 17th December 2008 at SVNIT Surat (Gujrat)
12. *"Analysis of Aircraft Structure Using Ideas"* on 20th – 21st December 2008 at International Conference on Mechanical Engineering at PREC Loni (Maharashtra)

Papers presented in conferences:

1. *"Effect of Bronze on Polytetrafluoroethylene and its Property Evaluation"*, on 22nd March 2014 at Technosanjivani 2014
2. *"Performance analysis of MoS₂ filled Polymer Composites"*, on 22nd March 2014 at Technosanjivani 2014
3. *"Productivity Improvement in Welding Robot"*, on 23rd March 2013, at Recent Trends in Mechanical Engineering RTME 2013.

4. "Tribological Failure Analysis of Journal Bearings used in Sugar Mills", on 23 rd March 2013, at Recent Trends in Mechanical Engineering RTME 2013. 5. "Dry Sliding Wear Performance, optimization of MoS ₂ filled PTFE composites using Taguchi Approach" on 23 rd March 2013, at Recent Trends in Mechanical Engineering RTME 2013. 6. "Analysis of PTFE Composites as Bearing Materials" on 22 nd February 2013 at International Conference of Recent Trends in Engineering and Technology. 7. "Analysis of PTFE Composites", on 21 st -22 nd March 2012 at Regional Research Conference on Innovations by University of Pune. 8. <i>"Performance Evaluation of Hydrodynamic Bearing for Various Bearing Materials"</i> on 24 th & 25 th November 2008 at SRES COE Kopargaon. 9. <i>"Mathematical Model of Car Suspension System"</i> on 29 th March 2007 at J T Mahajan College of Engg Faizpur (Maharashtra) 10. <i>"Performance Evaluation of Dual Fuel Engine Fueled with CNG-Diesel Combination"</i> on 25 th & 26 th November 2006 at Jaipur Engineering College, Kukas Jaipur (Rajasthan) 11. <i>"Analysis of Aircraft Fuselage Structure"</i> on 17 th & 18 th November 2006. At Sri Jaychamrajendra College of Engineering, Mysore (Karnataka) 12. <i>"FEM Analysis of Spur Gear in Contact"</i> on 17 th & 18 th November 2006. At Sri Jaychamrajendra College of Engineering, Mysore (Karnataka)	
Research Profile URL	
Google Scholar	https://scholar.google.com/citations?hl=en&user=9Yj6UMQAAAAJ
Scopus	http://www.scopus.com/inward/authorDetails.url?authorID=57201735769&partnerID=MN8TOARS
Orcid	https://orcid.org/0000-0002-0002-0971
Other Research Details	
Ph D Guide ?Give field & University:	Mechanical Engineering,
Ph Ds/ Projects Guided:	UG (28), PG(4), PhD (0)
Books Published	Nil
IPRs/Patents	Patent registered at Patent office Mumbai for the topic

	“Development of Polytetrafluroethylene (PTFE) Composite base material for Sugarcane Crushing Roller Mill Bearing” with application no’s:201621000892.		
Professional Memberships:	Tribology Society of India		
Interaction with professional institutions	--		
Consultancy Activities			
Duration	Title of Activity	Issued Organization	Amount
12 Month	Project Consultancy	MASSIA and GIZ	Rs. 1,90,000/-
12 Month	Project Consultancy	TATA Technology & NIMA	Rs. 45,000/-
12 Month	Project Consultancy	NIMA and GIZ	Rs 5,40,000/-
Grants fetched			
Duration	Title	Issued Organization	Amount
24 Month	Performance Evaluation of Polymer Bearing	BCUD Research fund	Rs. 1,50,000/-
36 Month	Modernization of Laboratory	AICTE	Rs. 20,000,00/- (Applied)
60 Month	Center of Excellence	MSME Department of Govern ment of India	Rs. 1.75Cr (Applied)
24 Month	Characterization of Lubricants	DST FIST	Rs. 38,79,626/- (Applied)
Awards			
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FACULTY DEVELOPMENT PROGRAMMES ATTENDED			
Name of the FDP / Workshop	Organization	Duration	Month-Year
Industrial Tribology	Amrutvahini COE Sangamner	5 Days	15 th – 19 th January 2019
Design of Experiments and Optimization Technique	Sanjivani CoE Kopargaon	5 Days	1 st – 5 th June 2015
IPR Issue : Patent Drafting and Processing of Patent Applications	MANIT Bhopal (MP)	5 Days	14th – 18th March 2015
Advanced Engineering	SVNIT Surat (Gujarat)	5 Days	22 nd – 26 th

<i>Optimization Through Intelligent Techniques</i>			December 2008
<i>FEA Training Event</i>	Finite to Infinite Pune	2 Days	21 st – 22 nd August 2008
<i>Autodesk Inventor 11</i>	SW Systems Pune	7 Days	23 rd – 30 th March 07
<i>FFT Analyzer: A tool for the Measurement and Analysis of Vibration parameters</i>	<i>PREC Loni</i>	2 Days	30 th – 31 st January 2015
<i>Design of Machine Elements with standard practices used in design office</i>	Sanjivani CoE Kopergaon	2 Days	02 nd -3 rd January 2015
<i>Application of Neural Network, Fuzzy Logic and Genetic Algorithm</i>	Sanjivani CoE Kopergaon	2 Days	08 th -09 th April 2014
<i>Tribological Aspects in Design</i>	NDMVP COE Nashik	2 Days	3 rd -4 th October 2013
<i>Recent Trends in Industrial Tribology</i>	MEERS MIT Pune	1 Day	20 th March 2013
<i>One day Syllabus Review Workshop for the Finite Element Analysis (FEM)</i>	MKSSS Cummunis COE Pune	1 Day	23 rd January 2012
<i>Finite Element Method</i>	at PES Modern College of Engineering Pune	1 Day	13 rd January 2012

FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

Name of the FDP / Workshop	Organization	Duration	Month -Year	Capacity
Research Areas in Mechanical Engineering	Sanjivani CoE Kopergaon	6 Days	August 2021	80
<i>DEL CAM MultiAxis and Turn Mill</i>	Sanjivani CoE Kopergaon	2 Days	July 2016	40

INVITED LECTURES IN CONFERENCE/SEMINAR

Title of Lecture/ Academic Session	Title of Conference/ Seminar etc.	Organized By

OTHER Professional URLs

Personal Website	https://sites.google.com/sanjivani.org.in/nmo/home
Linked In Profile	linkedin.com/in/dr-prasad-patare-6b042114
GitHub URL	Nil
YouTube Channel	https://www.youtube.com/channel/UC-jxRzGrt37TjkO-u9t_ZUw/videos
Other	Nil

Any Other:

1. Organized Alumni Meet at Bangalore on 02nd March 2019 (61 Alumni Present).
2. Worked as Co-convenor for the Two days National level workshop on "Use of Excel in Engineering Applications" on 4th March 2015.
3. Worked as Co-convenor for the Two days National level workshop on "Design of Machine Elements with standard practices used in design office" on 2nd and 3rd January 2015.
4. Organized Alumni Meet at Nashik on 23rd August 2014 (52 Alumni Present).
5. Worked as Event Incharge for the Dance Competition "Discotheque" in Sanjivan-14 on 18th January 2014.
6. Organized the National Conference Sanjivani Vision 2014 On 23rd March 2014.
7. Worked as Organizing Secretary for the National Conference RTME-2013 on 25th March 2013.
8. Worked Event in-charge for the AutoCAD competition in 2007.
9. Worked Event in-charge for the AutoLISP competition in 2008.
10. Worked Event in-charge for the CADIAN competition in 2009.
11. Organized Alumni Meet at Pune on 19th June 2010 (174 Alumni Present).
12. Organized Alumni Meet at Kopergaon 23rd December 2011. (122 Alumni Present).
13. Key role in organization of workshop on "CAM & Robotics" & National conference on "Advancement in Mechanical Engg".
14. Key role in organization of Regional University Level Conference "INNOVATION 2008" ON 24th-25th Nov 2008