



Department of Mechanical Engineering

Faculty Profile

Prof. Surajkumar Khasbage

ME (Mechanical Engineering)

Assistant Professor

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🔗 <https://scholar.google.com/citations?user=eZfvq1MAAAAJ&hl=en>

🔗 <https://www.linkedin.com/in/suraj-khasbage-028869b5/>



Research Areas / Areas of Interest

Biolubricants, CFD, Hydraulics and Pneumatics, Tribology.

Date of Birth:	18/05/1990	Domicile:	Maharashtra
Gender:	Male	Blood Group:	A-ve
Contact Details:	9960972438		

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D (Perceiving)	Mechanical	SPPU	Awaited	Awaited
2	M.E.	Mechanical – Automotive technology	Pune	Distinction	July 2016
3	B.E.	Mechanical Engineering	Nagpur	First	June 2011

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	6	4
2	Research	00	00
3	Industry	1	6
4.	Others	--	--
Total		7	10

Subjects / Courses Taught

S. No.	Subject	UG/P G	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Engineering Graphics (2019 Pat. SPPU)	UG	FE	04
2	Engineering Graphics (2019 Pat. SPPU)	UG	FE	03

3	Basic Mechanical Engineering (2019 Pat. SPPU)	UG	FE	03
4	Hydraulics and pneumatics (2019 Pat. SPPU)	UG	BE (Mechanical)	01
5	Engineering Graphics I (2015 Pat. SPPU)	UG	FE	03
6	Engineering Graphics II (2015 Pat. SPPU)	UG	FE	03

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals		7		1	
Conferences	1	2		1	

Publication Details (Journals)

Sr. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1 .	Performance analysis of Bio-Nano Lubricant for Hydrodynamic Journal Bearing Lubrication	S.S.Khasbage, D.Y.Dhande, V.R.Patil	2016	IERJ June 2016 special edition	ISSN:2395-1621	International Engineering Research Journal (IERJ)
2.	Performance of Jatropha Biolubricant for Hydrodynamic Journal Bearing Lubrication	S.S.Khasbage, D.Y.Dhande, V.R.Patil	2016	Vol.7, 2016	P-ISSN: 2395-0056	International Research Journal of Engineering and Technology (IRJET)
3.	"Estimation of properties	S.S.Khasbage,	2019	Vol.5, Issue 3, March 2019	P-ISSN:	International

	of composite material for medical application”	S.T.Gade		(IJSART)	2395-1052	Journal for Science and Advance Research in Technology
4.	"Function and Behavior analysis of a Nanoparticle based bio-Lubricant used in hydrodynamic Bush Bearing” in	S.S.Khasbage	2019	Volume VI, Issue V, May/2019	ISSN NO: 1076-5131	Journal of Applied Science and Computations (JASC)
5.	“Experimental Transmissibility Investigation of shock Absorber and comparison with MATLAB Results for Two Wheeler”	S.S.Khasbage, S.S.Patil	2019	Vol.6, Issue 5, 2019	P-ISSN: 2395-0056	International Research Journal of Engineering and Technology (IRJET)
6.	“CFD analysis of diffuser augmented wind turbine”	S.S.Khasbage, S.T.Gade	2019	Vol.6, 2019	ISSN: 2454-132X	International Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT)

7.	Design and Fabrication of Portable Waste Treatment Bin	S.S. Khasbage, Abhishek Ramrao Mane, Nitin Pramod Saindane, Megha Laxman Shinde, Deepali Mahadev Lokare	2020	Volume 8, IX Sep 2020, Pages 879- 882		International Journal for Research in Applied Science & Engineering Technology (IJRASET)
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Sr. No	Document Details	Authors	Year	Conference Details	ISBN / ISSN	Organised by
1	Experimental investigation of forming parameters for square cup deep drawing process	C S Chaudhari , S S Khasbage	2020	The international Conference on “Advances in Materials Processing & Manufacturing Applications (iCADMA 2020)		MNIT Jaipur
2	Experimental and CFD Performance Analysis of Hydrodynamic Journal Bearing using Jatropa Blended Copper-oxide Nanoparticle as Lubricant"	S.S.Khas bage , D.Y Dhande, V. R Patil	2016	International Conference (IEEE) on Automatic Control and Dynamic Optimization Techniques	ISBN : 978-1- 5090- 2080-2	I2IT, Hinjewadi

				(ICACDOT 2016) available in IEEE Digital Library		
3	Presented a paper titled "Performance analysis of Bio-Nano Lubricant for Hydrodynamic Journal Bearing Lubrication" in the	S.S.Khas bage, D.Y.Dhan de, V.R.Patil	June 2016	Second Mechanical Engineering Post Graduate Students Conference (Mech- PGCON 2016) Published in International Engineering Research Journal (IERJ)	ISSN:23 95-1621	MAEER's MIT College of Engineering, Pune,

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	-	11

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.

Patents / IPR Filed / Granted

S. No	Investigator Details	Title	Year	Status (Filed/Granted)	Details

Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount

Details of Workshop / STTP / FDP / Seminar / Conferences Organized

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
1	Half day Faculty guidance seminar for Project Based Learning (PBL)	seminar	24/01/2020	University	AISSMS COE PUNE

2	Co-conveynor at SME Syllabus Implementation Workshop, organized by	Works hop	07/07/2019	University	AISSMS COE PUNE
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Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level (National/Int/ State/Regional)	Date

Details of Workshop / STTP / FDP / Conferences Attended

Sr.	Title	Type	Duration	Organizer	Sponsoring Agency
	Electric Vehicle: IT's Perspectives and Issues	FDP	19th-21th August 2020	AISSMS COE	
	One Day Workshop titled "Virtual Labs: Hands-On Workshop for Faculty of all Engg. Disciplines"	Workshop	18-Jul-20	PVG's COET VLabs RNC & AISSMS COE VLNC,	Savitribai Phule Pune University (SPPU) (BoS-E &TC) and Virtual Labs -IIT Bombay
	Three day online workshop on "BASICS OF ANSYS"	Workshop	04-07-02020 to 06-07-2020	Department of Mechanical Engineering, MMANTC Malegaon.	
	Attended Workshop on "Empower in Adopting Outcome Based Teaching Tools, Techniques and Methodologies"	Workshop	29-30 June 2020	AISSMS COE	
	National 1 Week Online FDP on "Advanced Teaching Tools, Techniques & Methodology for Outcome Based Education		1 June to 5 June 2020	AISSMS COE, Pune	
	Attending Online FDP on "Promoting Quality Culture in Technical Institutions	FDP		AISSMS COE,Pune.	
	Attending FDP on python	FDP	28 Apr to 2 May 2020	AISSMSCOE	AISSMSCOE in association with Spoken tutorial IIT Bombay

	NPTEL course in 'Fundamentals in Manufacturing ' with Elite and Silver Medal	FDP	November 2019,	NPTEL	
	Attended 1 week s FDP on Data Science	FDP	17-22 june,2019	AISSMS COE, Pune	
	Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment	FDP	10-15 June 2019	AISSMS COE PUNE	ISTE
	Modern Pedagogy	FDP	1 week	AISSMS COE PUNE	
	NDT & Its application		Half Day	AISSMS COE PUNE	
	"MACHINE LEARNING & It's Application	Workshop	2 DAYS	AISSMS COE PUNE	
	Participation in short term courses in educational tec curriculum development "pedogogy" PRACTICES"	FDP	2 DAYS (16- 17 jan 2018)	AISSMS COE PUNE	
	Virtual Labs	Workshop	04-08-2017	AISSMS	IIT Bombay
	Industrial Tribology	Workshop	2 DAYS (5-6 Oct 2015)	PVG, College of Engineering Pune	Tribology Society of india Mumbai-Pune Chapter

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1.	Institute Level NBA Criteria 8 Incharge.
2.	Department Level NBA Criteria-8 Incharge.
3.	AISSMS YouTube Manager
4.	Gardian Faculty Member

3.	Organising committee member in Smart India Internal Hackathon 2020.
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Awards Received

S. No.	Awards

Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

Prof. Surajkumar Khasbage

(Name with Signature)

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1.	Industrial Tribology	Workshop	Two Days (5-6 October 2015)	PVG, College of Engineering Pune	Tribology Society of india Mumbai-Pune Chapter
2.	Virtual Labs	Worksh op	One Day 04 Aug 2017	AISSMS College of Engg, Pune	
3.	Participation in short term courses in educational tec curriculum development in pedogogy practices	FDP	Two Days (16- 17 jan 2018)	AISSMS COE PUNE	

4.	"MACHINE LEARNING & It's Application	WORKSHO P	Two Days	AISSMS COE PUNE	
5.	NDT & Its application		Half Day	AISSMS COE PUNE	
6.	Modern Pedagogy	FDP	One week	AISSMS COE PUNE	
7.	Vision-Mission-PEO-PSO- PO-CO: Framing, Mapping, Assessment and Attainment	FDP	One week 10-15 June 2019	AISSMS COE PUNE	ISTE
8.	Attended 1 week s FDP on Data Science	FDP	One week 17-22 June 2019	AISSMS COE, Pune	
9.	NPTEL course in 'Fundamentals in Manufacturing ' with Elite and Silver Medal	FDP	12 weeks Nov 2019	NPTEL	
10	Attending FDP on python & R- Language	FDP	One Week 28 Apr to 2 May 2020	AISSMSCOE	AISSMSCOE in association with Spoken tutorial IIT Bombay
11	Attending Online FDP on "Promoting Quality Culture in Technical Institutions	FDP		AISSMS COE,Pune.	
12	National 1 Week Online FDP on "Advanced Teaching Tools, Techniques & Methodology for Outcome Based Education	FDP	1 June to 5 June 2020	AISSMS COE, Pune	

13	Attended Workshop on "Empower in Adopting Outcome Based Teaching Tools, Techniques and Methodologies"	Workshop	29-30 June 2020	AISSMS COE, Pune	
14	Three day online workshop on "BASICS OF ANSYS"	Workshop	04 July 2020 to 06 July 2020	Department of Mechanical Engineering, MMANTC Malegaon.	
15	One Day Workshop titled "Virtual Labs: Hands-On Workshop for Faculty of all Engg. Disciplines"	Workshop	18-07-2020	PVG's COET VLabs RNC & AISSMS COE VLNC,	Savitribai Phule Pune University (SPPU) (BoS-E & TC) and Virtual Labs -IIT Bombay
16	Electric Vehicle: IT's Perspectives and Issues	FDP	19th-21th August 2020.	AISSMS COE Pune	