


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

Staff Profile

Personal Information			
Name of Teaching Staff: (Mr.) V. P. Bhaurkar			
Designation: Assistant Professor			
Department : Mechanical Engineering			
Date of joining : 7 th January 2009			
E Mail ID :	bhaurkarvyankateshmech@sanjivani.org.in		
Contact No:	(+91) 9028602760		
Education Details			
Qualification	Specialization with Class or Grade	University	Year
UG	Mechanical Engineering	Pune University	2006
PG	Mechanical Engineering	Pune University	20015
Total experience in years:			
Teaching:	16 years		
Industry:	2.5		
Research and Publications			
Year 2019			
[1] Investigation of crack in beams using anti-resonance technique and FEA approach, <i>Journal of Engineering, Design and Technology</i> , 2019, vol. 17, no. 6. https://doi.org/10.1108/JEDT-10-2018-0179 , ISSN: 1726 – 0531. (Scopus, SCIE Indexed)			
Year 2020			
[1] Fabrication and analysis of metal matrix composites: A state of the art review, <i>AIP Conference Proceedings</i> , 2020, No. 2297. https://doi.org/10.1063/5.0030391 . (Scopus Indexed)			

Book Chapters:

Sr. No	Name of Author	Title of book chapter	Title of Book	Publisher	Page Nos.
1	V. P. Bhaurkar	Vibration analysis of advanced healthy and damaged rail — a step towards fault detection https://doi.org/10.1201/9781003450252 .	Recent Advances in Material, Manufacturing, and Machine Learning (2023)	Taylor and Francis (ISBN- 978-1-003-45025-2)	234-243

Papers presented in conferences:

Sr. No.	Author	Title of Paper	Name of Conference	Date and Venue
1	V. P. Bhaurkar	Vibration analysis of advanced healthy and damaged rail – a step towards fault detection	International Conference on Recent Advances in Materials, Manufacturing and Machine Learning	Yashwantrao Chavan COE, Nagpur, 2023
2	V. P. Bhaurkar	Vibration analysis of induced draught fan: A case study	International Conference and Exposition on Advances in Mechanical Engineering	COEP Pune, 2022
3	V. P. Bhaurkar	Modal analysis of healthy and damaged 60 kg type rail - a step towards crack detection in Indian rail	International Conference on Vibration Engineering and Technology of Machinery VETOMAC 2021	BMSCE Bengaluru, 2021
4	V. P. Bhaurkar	Carbon dioxide removal from air – a state of the art review	National Conference on Advances in Engineering and Management	Sanjivani COE, Kopergaon, 2018

5	V. P. Bhaurkar	Identification and determination of cracks in beams using vibration analysis and FEA approach	Post-Graduate Conference of Mechanical Engineering	Flora Institute of Technology, Pune, 2015
6	V. P. Bhaurkar	Fault detection in multi-cracked beams using vibration approach	National Symposium for UG and PG students	Sanjivani COE Kopergaon, 2014
7	V. P. Bhaurkar	A review of methods for determining location and severity of multiple cracks	International Conference on Advances in Mechanical Engineering	COEP Pune, 2013

Research ID's:

Google Scholar	https://scholar.google.com/citations?user=CUVzLXEAAAAJ		
Scopus	Scopus Author ID: 5721-1439-910		
Orcid	ORCID ID: - 0000-0002-4998-8705		
Other Research Details			
Ph D Guide? Give field & University:	PhD Guide: No		
IPRs/Patents	1. Design registration on ‘Pet bottle recycling machine’, Certificate no – 192675, Design No. – 439045-001, Issue date – 18/02/2025.		
Professional Memberships:	<ul style="list-style-type: none">✓ Member of Institute of Engineers India✓ Life Member of Indian Society of Technical Education (ISTE)		
Consultancy Activities			
Duration	Title of Activity	Issued Organization	Amount
1 month	Consultancy on 3D Printing	3D Shikshan, Pune	Rs. 10,000/-

Awards

1. **“Dronacharya”**, Best Faculty Adviser Award in 2018 by Credible Future Delhi.
2. **“The Great Dronacharya”**, Best Faculty Advisor Award in 2017 by Dynamist Motorsports Pvt. Ltd., New Delhi.

FACULTY DEVELOPMENT PROGRAMMES ATTENDED

Name of the FDP / Workshop	Organization	Duration	Month-Year
Smart cities enabling technologies: A step towards new India	Birla Vishvakarma Mahavidyalaya Vallabh Vidyanagar, Gujarat	21 June – 3 July 2021 (2 – weeks)	July 2021
Composite materials and structures: Processing and fabrication, analysis and design	JSS Mahavidyapeetha, Mysuru and GIAN	31 st Dec 2018 – 11 Jan 2019 (2 – weeks)	Jan 2019
Non-conventional energy sources (Green Energy)	Sanjivani K.B.P. Polytechnic College Kopargaon	23-30 March 2021, (8 – days)	March 2021
Future materials: Nanocomposites	Bharati Vidyapeeth COE, Pune	15 – 21 June 2020	June 2020
Empowering innovations comprehensive approaches to research and development	A.G. Patil Institute of Technology Solapur and IEI Solapur Centre	12 – 17 August 2024 (6 – days)	August 2024
Research opportunities in vibration engineering	Sanjivani COE Kopargaon	24 – 29 January 2022 (6 – days)	January 2022
Strategies to improve R & D activities in engineering institutes	Sanjivani COE Kopargaon	27 September – 1 October 2021 (6 – days)	October 2021
Research areas in mechanical engineering	Sanjivani COE Kopargaon	18 – 23 October 2021 (6 – days)	October 2021
MATLAB fundamentals and applications	Shri Sant Gadge Baba COET, Bhusawal	22 - 27 April 2013 (6 – days)	April 2013
Entrepreneurship Opportunities through Innovations	Vigyan Ashram, Pabal, Pune	14 – 18 February 2022 (5 – days)	February 2022
Modelling and simulation using MATLAB through ICT	NITTTR Chandigarh	22 – 26 January 2018 (5 – days)	January 2018

Dynamic analysis of mechanism and machine	G H Patel COET, Vallabh Vidyanagar, Gujarat	5 – 9 January 2015 (5 – days)	January 2015
Research paper writing and I. P. Rights	A. G. Patil Institutes of Technology, Solapur	18 – 20 January 2024 (3 – days)	January 2024
Media Studio	Sanjivani K.B.P. Polytechnic Kopargaon and AICTE	10 – 12 August 2022 (3 – days)	August 2022
Applications of MATLAB in mathematics, science and engineering	ST. Vincent Pallotti College of Engineering and Technology, Nagpur	15 – 17 September 2020, (3 – days)	September 2020
Dassault systems Solid-works 2024 and 3D- Experience	Sanjivani COE, Kopargaon	9 – 10 February 2024 (2 – days)	February 2024
Mastercam Multi-Axis and Turn Mill	Sanjivani COE, Kopargaon	10 – 11 August 2015 (2 – days)	August 2015
Applications of Neural Network, Fuzzy Logic and Genetic Algorithm in Engineering	Sanjivani COE, Kopargaon	8 – 9 April 2014 (2 – days)	April 2014
IP awareness training program	Intellectual Property Office India	20 th January 2024 (1 – day)	January 2024
Literature search	Centre for Publication Ethics, Savitribai Phule Pune University	11 February 2023, (1 – day)	February 2023
4- D Printing	Sanjivani COE, Kopargaon	6 September 2021, (1 – day)	September 2021
Additive manufacturing or 3 – D Printing, ,	Sanjivani group of institutes	28 May 2021, (1 – day)	May 2021
Technical session of 35 th Indian Engineering Congress	The Institution of Engineers (IEI, India)	18 December 2020, (1 – day)	December 2020
ICT tools for online teaching, ,	Sanjivani COE, Kopargaon	26 May 2020 (1 – day)	May 2020
NDT applications in RCC structures	Government Polytechnic Ahmednagar	22 January 2020 (1 – day)	January 2020
Innovative Techniques of Research in Science and Technology	Sanjivani COE, Kopargaon	6 January 2018 (1 – day)	January 2018
VSSC ISRO's FEAST FEA Technology	Marathwada institute of technology, Aurangabad	11 November 2016 (1 – day)	November 2016

Syllabus structuring on numerical methods and optimization, 2015 course	Sinhgad academy of engineering, Kondhwa, Pune	25 October 2016 (1 – day)	October 2016

FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

Name of the FDP / Workshop	Organization	Duration	Month-Year	Capacity
Design of Experiments and Optimization Techniques – 2015	Dept. Of Mechanical Engineering SCOE, Kopargaon	1 week	June 2015	48
Research Opportunities in Vibration Engineering	Dept. Of Mechanical Engineering SCOE, Kopargaon	1 week	January 2022	59
Condition Monitoring of Machine Components using FFT Analyser	Dept. Of Mechanical Engineering SCOE, Kopargaon	1 day	July 2015	56