


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

Staff Profile

Personal Information			
Name of Teaching Staff: (Dr.) D.P.Bhaskar			
Designation: Associate Professor			
Department : Mechanical Engineering			
Date of joining : 1 st Sept 2012			
E Mail ID :		bhaskardhirajmech@sanjivani.org.in	
Contact No:		(+91) 9823714381	
Education Details			
Qualification	Specialization with Class or Grade	University	Year
UG	Mechanical Engineering	Pune University	1997
PG	Mechanical Engineering CAD-CAM (Mechanical Engineering)	SGGS Nanded	2005
Ph.D.	Mechanical Engineering	SPPU Pune University	2020
Total experience in years:			
Teaching:		25 years	
Industry:		-	

Research and Publications

Journal

No	Author	Title	Journal/DOI	Detail	Indexing
1	Dhiraj P. Bhaskar Ajaykumar G. Thakur	FE modeling for geometrically nonlinear analysis of laminated plates using a new plate theory	Advances in Aircraft and Spacecraft Science https://doi.org/10.12989/aas.2019.6.5409	Vol. 6, No. 5 2019 ISSN: 2287-528X Pp: 409-426	Scopus 2287-528X (pISSN) 2287-5271 (eISSN)

2	Dhiraj P. Bhaskar Ajaykumar G. Thakur	Geometrically Nonlinear Analysis of Laminated Composite Plates subjected to Uniform Distributed Load Using a New Hypothesis: the finite element method (FEM) Approach	Mechanics of Advanced Composite Structures DOI:10.22075/MACS.2020.18572.1222.	Vol. 7 2020 Pp: 271- 285	Scopus
3	D.P. Bhaskar A.G.Thakur I.I. Sayyad S.V. Bhaskar	Numerical Analysis Of Thick Isotropic And Transversely Isotropic Plates In Bending Using Fe Based New Inverse Shear Deformation Theory	International Journal Of Automotive And Mechanical Engineering (IJAME) https://doi.org/10.15282/ijame.18.3.2021.04.0681 .	Vol. 18, Issue 3 2021 Pp: 8882 – 8894	Scopus, ESCI
4	Mahesh Nagarkar Yogesh Bhalerao Dhiraj Bhaskar Ajaykumar Thakur Vaibhav Hase Rahul Zaware	Design of passive suspension system to mimic fuzzy logic control active suspension system	Beni-Suef University Journal of Basic and Applied Sciences https://doi.org/10.1186/s43088-022-00291-3	Vol.11, No.1 2022 Pp: 1-15	Scopus
5	Dhiraj P. Bhaskar , Santosh V. Bhaskar, Sachin S. Raj, L.S. Dhamande	Numerical investigation of sandwich plate in bending by a new inverse shear deformation theory based on finite element analysis	Forces in Mechanics	Vol.13, (2023) 100238	Scopus

Book Chapter

6	Bhaskar, S., Bhaskar, D. , Shaikh, A., ... Ahemad, J., Nagarkar, M.	Investigation of mechanical properties of of nitrided-microblasted and tcn coated D3 tool steel	Recent Advances in Materials Manufacturing and Machine Learning,	2024, pp. 45–52	Scopus
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Papers presented in conferences:

Sr No	Author	Title	Name of Conference	Organizing Institute
1	D.P. Bhaskar A.G.Thakur	A new inverse trigonometric shear deformation theory for bending analysis of laminated composite plates using finite element method	Advanced Functional Materials and Devices (ICAFMD – 2019)	On the eve of Diamond Jubilee Celebrations of NIT (REC), Warangal.
2	D.P.Bhaskar V.J.Kakhandki,	Shrink Fit Shaft-Hub Connection analysis using FEM,	COMPUTIME 2005	COE Hyderabad.
3	D.P.Bhaskar S.V.Bhaskar	Analysis and Optimization of Interference Fit for Shaft-Hub Connection Using FEM,	International conference ICAMDIA-07, Advances on machine design and industry automation on 10-12 Jan. 2007	COE Pune -05
4	P.S.Shinde, S.V.Bhaskar D.P.Bhaskar	Wear analysis of surface coating materials,	International conference on Industrial Tribology – ICIT-2006 Nov 30 – Dec 2, 2006	IIISC Bangalore
5	D.P.Bhaskar Kiran Jagtap	On Some Interference fit analysis connection using FEM	Vol -3, Issue 2, July 10-Dec. 10 ISSN: 0974-3588.	STEPS-INDIA,
6	D.P.Bhaskar A.G.Thakur	New inverse trigonometric shear deformation theory for bending analysis of laminated composite plates using finite element method	International Conference on Advanced Functional Materials and Devices (ICAFMD – 2019)	NIT Warangal

Research Profile URL

- <https://www.scopus.com/authid/detail.uri?authorId=57213606660>

- <https://scholar.google.com/citations?user=zZKml54AAAAJ&hl=en>
- <https://orcid.org/0000-0003-3979-0639>

Consultancy Activities

- ITvidpra Software Solutions Pvt Ltd, Pune, 2024-25 Rs 30,000/-

Patents Granted

Patents –1. Gas Turbine Emissions Design No: 436735-001 Reciprocity Date:07/11/2024
2. Lathe Spindle Bearing Design No: 437390-001 Reciprocity Date:15/11/2024

Awards

Dipex 2014 Best Project Coconut dehusking Machine.

Faculty Development Programmes Attended

Sr.No	Name of the FDP / Workshop	Organization	Duration	Month-Year
1	Advance in Mechanical Engineering for Research	PREC Loni	1 Week	27/9-1/10, 2021
2	Mechanics of Materials-I	Coursera	4 Week	Ended on Sept, 16,2020
3	Scilab	AP COER,Pune	1 Week	May 24-29 ,2020
4	Advance in Computer Material	CIT Coimbatore	1 Week	Dec. 6-12, 2017
5	FEM-FEA 2016	Sanjivani COE Kopargaon	2 Day	Feb 22-23 2016
6	CAM using Delcam software	Sanjivani COE Kopargaon	2 Day	July 11-12, 2016
7	PRESion 2K14	PREC Loni	2 Day	March,20-21,2014
8	CFD Applications & Engg. Analysis using Computing Software	VJTI Matunga Mumbai	1 Week	Nov 11-15,2013
9	CFD:Theory & Practice	DYP Pimpri	2 Day	March 22-23, 2013
10	Application of CFD in Mechanical Engineering	Parul Institute Vadodara	1 Week	10-14 May 2010
11	High Impact Teaching Skill, Mission 10X	Sinhgad Institutes, Pune	2 Day	Oct 11-12,2010
12	Application of CFD in Mechanical Engineering	Parul Institute of Engg. & Technology, Vadodara	1 Week	May10-14, 2010

Faculty Development Programmes Organized

Sr. No	Name of the FDP / Workshop	Organization	Duration	Month-Year
1	Organized AICTE Universal Human Values(UHV) Workshop	Sanjivani COE Kopargaon	03 days	10-12 Aug 2023
2	Applications of Neural Network, Fuzzy Logic and Genetic Algorithm in Engineering	Sanjivani COE Kopargaon	02 Day	07-08 April, 2014
3	Workshop on Virtual Lab	Sanjivani COE Kopargaon	02 Day	04-05 April, 206
4	CFD: Fundamental and Practical applications	SITS Narhe, Pune	03 day	14-16 Jan,2011

Invited Lectures In Conference/SEMINAR

- Expert lecture on Computer oriented numerical methods in the FEDP Computing Methods at MMCOE Pune in 2011
- Speaker: In workshop on Introduction to CAD/CAM/CAE at Usha Rama College of Engineering and Technology, Telaprolu on December 14 and 15, 2012
(<http://www.thehindu.com/todays-paper/tp-national/tp-andhrapradesh/workshop-held-on-cadcamcae/article4208572.ece>)
- Expert lecture on Machine Tool Gear boxes in Machine Tool at SITS Narhe in 2013
- On topic Matlab solvers in Numerical Techniques, on 06 April 2024 organised by MIT Kothrud Pune

OTHER Professional URLs

Personal Website	-NIL
Linked In Profile	- https://www.linkedin.com/in/dhiraj-bhaskar-b4a69853?originalSubdomain=in
GitHub URL	-NIL
YouTube Channel	https://www.youtube.com/watch?v=fGhBfuCBTZc&t=27s
Slideshare	https://www.slideshare.net/dhirajbhaskar56/machine-tool-gear-box-71326804

Any Other: