

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

Staff Profile

| Personal Information | | | |
|---|------------------------------------|------------------------------------|---|
| Name of Teaching Staff: BHASKAR DHIRAJ POPATRAO | | |  |
| Designation: Associate Professor | | | |
| Department : Mechanical Engineering | | | |
| Date of joining : 01/09/2012 | | | |
| E Mail ID : | | bhaskardhirajmech@sanjivani.org.in | |
| Contact No: | | 9823714381 | |
| Education Details | | | |
| Qualification | Specialization with Class or Grade | University | Year |
| UG | Mechanical Engg. with I class | Pune University | 1997 |
| PG | CAD CAM with Distinction | SRTM University Nanded | 2005 |
| Ph.D | Mechanical Engg. | SP Pune University | 2020 |
| Total experience in years: | | | |
| Teaching: | | 23 | |
| Industry: | | - | |
| Research and Publications | | | |
| <p>1)Dhiraj P. Bhaskar and Ajaykumar G. Thakur, FE modeling for geometrically nonlinear analysis of laminated plates using a new plate theory, Advances in Aircraft and Spacecraft Science, Vol. 6, No. 5 (2019) 409-426, ISSN: 2287-528X (Print), 2287-5271 (Online). DOI: https://doi.org/10.12989/aas.2019.6.5.409 409 (http://www.techno-press.org/?journal=aas&subpage=7) (Scopus)</p> <p>2)Dhiraj P. Bhaskar and 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</p> | | | |

Structures 7(2020) 271 – 285, DOI:10.22075/MACS.2020.18572.1222.
(https://macs.semnan.ac.ir/article_4307.html) (Scopus)

3)D.P. Bhaskar, A.G.Thakur, I.I. Sayyad and 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), Vol. 18, Issue 3, 8882 – 8894 ISSN: 2229-8649 E-ISSN: 2180-1606. DOI: <https://doi.org/10.15282/ijame.18.3.2021.04.0681>.
(<https://journal.ump.edu.my/ijame/article/view/6108>) (Scopus)

Papers presented in conferences:

- 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.
- D.P.Bhaskar and V.J.Kakhandki, Shrink Fit Shaft-Hub Connection analysis using FEM, COMPUTIME 2005 at COE Hyderabad.
- D.P.Bhaskar and 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 at COE Pune -05 .MS.
- S.V.Bhaskar and D.P.Bhaskar, Advances on machine design and industry automation Analysis and Optimization, International conference ICAMDIA-07, on 10-12 Jan. 2007 at COE Pune -05 .MS.
- P.S.Shinde,S.V.Bhaskar and D.P.Bhaskar , Wear analysis of surface coating materials, International conference on Industrial Tribology – ICIT- 2006 At IIISC Bangalore, Nov 30 – Dec 2, 2006 .
- Kiran Jagtap and D.P.Bhaskar, Analysis of Distortion in a butt weld using FEM, International Journal of Advanced Engineering and Applications supported by STEPS-INDIA.
- D.P.Bhaskar and Kiran Jagtap, On Some Interference fit analysis connection using FEM, STEPS-INDIA, Volume -3, Issue 2 ,July10-Dec. 10 ISSN:0974-3588.

Research Profile URL

| | |
|-----------------------|---|
| Google Scholar | https://scholar.google.com/citations?user=zZKml54AAAAJ&hl=en |
| Scopus | https://www.scopus.com/authid/detail.uri?authorId=57213606660 |
| Orcid | https://orcid.org/0000-0003-3979-0639 |

Other Research Details

| | |
|---|---|
| Ph D Guide ?Give field & University: | - |
| Ph Ds/ Projects Guided: | - |

| | | | |
|--|--|----------------------------|-------------------|
| Books Published | - | | |
| IPRs/Patents | 724/MUM/2014, India, Pedal Operated Gooseberry Seed Removing Machine. | | |
| Professional Memberships: | LMISTE | | |
| Interaction with professional institutions | <ul style="list-style-type: none">• Dipex 2014, 1st Prize, and Name of Project: Manually operated Coconut Dehusking Machine.• 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) | | |
| Consultancy Activities | | | |
| Duration | Title of Activity | Issued Organization | Amount |
| - | - | - | - |
| Grants fetched | | | |
| Duration | Title | Issued Organization | Amount |
| - | - | - | - |
| Awards | | | |
| Please write/type Here | | | |
| FACULTY DEVELOPMENT PROGRAMMES ATTENDED | | | |
| Name of the FDP / Workshop | Organization | Duration | Month-Year |
| Application of CFD in Mechanical Engineering | Parul Institute of Engg. & Technology, Vadodara | 1 Week | May10-14, 2010 |
| High Impact Teaching Skill, Mission 10X | Sinhgad Institutes, Pune | 02 day | Oct 11-12,2010 |
| CFD Applications & Engg. Analysis using Computing Software | VJTI Matunga Mumbai | 1 Week | Nov 11-15,2013 |
| Advance in Computer Material | CIT Coimbatore | 1 Week | Dec. 6-12, 2017 |
| Scilab | Anantrao Pawar College of Engineering & Research,Pune | 1 Week | May 24-29 ,2020 |

| | | | |
|--|-------------------------|--------|------------------------|
| Mechanics of Materials-I | Coursera | 4 Week | Ended on Sept, 16,2020 |
| Advance in Mechanical Engineering for Research | PREC Loni | 1 Week | 27/9-1/10, 2021 |
| CFD:Theory & Practice | DYP Pimpri | 2 Day | March 22-23, 2013 |
| FEM-FEA 2016 | Sanjivani COE Kopargaon | 2 Day | Feb 22-23 2016 |
| CAM using Delcam software | Sanjivani COE Kopargaon | 2 Day | July 11-12, 2016 |
| PRESion 2K14 | PREC Loni | 2 Day | March,20-21,2014 |
| | | | |

FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

| Name of the FDP / Workshop | Organization | Duration | Month-Year | Capacity |
|--|-------------------------|----------|--------------------|-----------------------------------|
| Applications of Neural Network, Fuzzy Logic and Genetic Algorithm in Engineering | Sanjivani COE Kopargaon | 02 Day | 07-08 April, 2014. | Faculty of Engineering Institutes |
| Workshop on Virtual Lab | Sanjivani COE Kopargaon | 02 Day | 04-05 April, 2016. | Faculty of Engineering Institutes |
| CFD :Fundamental and Practical applications | SITS Narhe, Pune | 03 day | January 14-16,2011 | Faculty of Engineering Institutes |

INVITED LECTURES IN CONFERENCE/SEMINAR

| Title of Lecture/ Academic Session | Title of Conference/ Seminar etc. | Organized By |
|-------------------------------------|-----------------------------------|--------------|
| Computer oriented numerical methods | Computing Methods | MMCOE Pune |
| Machine Tool Gear boxes | Machine Tool | SITS Narhe |

OTHER Professional URLs

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

Any Other:

| SOFTWARE Courses conducted | | | | |
|-----------------------------------|---------------------------------------|----------------------|--------------|------------------------|
| ANSYS | Mech Dept, Sanjivani COE Kopargaon | TE/BE Mech Students. | (2005-2008). | Total more than 200 |
| Ideas | Mech Dept, Sanjivani COE Kopargaon | TE/BE Mech Students. | (2005-2008). | Total more than 50 |
| MATLAB | Mech Dept, Sanjivani COE Kopargaon | TE/BE Mech Students. | (2007-2009). | Total more than 50 |

| Engg Graphics Special Courses conducted | | | | |
|--|---------------------------------------|--------------|--------------|------------------------|
| EG | Mech Dept, Sanjivani COE Kopargaon | FE Students. | (2002-2005). | Total more than 200 |

| Attended NPTEL Courses | |
|--|--|
| <ul style="list-style-type: none"> Introduction to Composites | |
| <ul style="list-style-type: none"> Research methodology | |