

STAFF PROFILE



Mr. Raviraj Bhairu Gurav

Assistant Professor

Mechanical Engineering

rbgurav@aitpune.edu.in

Date of Joining
01/08/2005

Nature of Appointment
Regular

Educational Details

Qualification	Degree	University	Grade	Year
SSC	SSC	kolhapur Board	89.28	1995
HSC	HSC	kolhapur Board	82.14	1997
Graduation	BE Mechanical	Shivaji University	68.73	2001
PG	ME Mechanical	Shivaji University	69.49	2009

Areas of Interest

Heat Transfer, Fluid Mechanics, CFD, Mixed Convection, Dimensional Analysis, Wind Energy, Solar Energy, Heat Transfer correlations

Experience Details

Total : 15.00 years	Teaching : 15.00 years	Research : 0.00 years	Industry : 0.00 years
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Type	Duration/ Period	Designation/ Organisation Name	Brief Job Profile
Educational	1.00 Years 7 months	Lecturer Walchand College of Engg Sangli	Visiting Faculty, Sub.- Thermodynamics
Educational	2.00 Years 2003-2005	Lecturer G S Moze College of Engg Balewadi Pune	Sub.-Fluid Mechanics, Basic Mechanical Engg, Mechanical Measurement
Educational	12.00 Years 2005-till date	Lecturer Army Institute of Technology Pune	Sub.-Fluid Mechanics, Basic Mechanical Engg, Heat Transfer

Journal Publications

1. R.B.GURAV, S.M.GAIKWAD, J.D.PATIL, PREETI PUROHIT, (2013). [CFD Simulation on Fluid flow in Micro channel Heat Exchanger](#). *International Journal of Global Technology Initiatives*. 2(1), E23-E30. ISBN/ ISSN No : 2277-6591. URL : <http://www.ijgti.org.in/index.php/ijgti/search>.
2. R.B.GURAV, S.M.GAIKWAD, J.D.PATIL, PREETI PUROHIT, (2013). [CFD Simulation on Fluid flow in Micro channel Heat Exchanger](#). *International Journal of Global Technology Initiatives*. 2(1), E23-E30. ISBN/ ISSN No : 2277-6591. URL : <http://www.ijgti.org.in/index.php/ijgti/search>.
3. R.B.GURAV, S.M.GAIKWAD, J.D.PATIL, PREETI PUROHIT, (2013). [CFD Simulation on Fluid flow in Micro channel Heat Exchanger](#). *International Journal of Global Technology Initiatives*. 2(1), E23-E30. ISBN/ ISSN No : 2277-6591. URL : <http://www.ijgti.org.in/index.php/ijgti/search>.
4. R.B.GURAV, S.M.GAIKWAD, J.D.PATIL, PREETI PUROHIT, (2013). [CFD Simulation on Fluid flow in Micro channel Heat Exchanger](#). *International Journal of Global Technology Initiatives*. 2(1), E23-E30. ISBN/ ISSN No : 2277-6591. URL : <http://www.ijgti.org.in/index.php/ijgti/search>.
5. R.B.GURAV, S.M.GAIKWAD, J.D.PATIL, A.A.RAMGUDE, (2013). [Computational investigation of convective heat transfer over a dimpled surface](#). *International Journal of Global Technology Initiatives (IJGTI)*. 2(1), E31-E39. ISBN/ ISSN No : 2277-6591. URL : <http://www.ijgti.org.in/index.php/ijgti/search>.
6. R.B.GURAV, S.M.GAIKWAD, J.D.PATIL, A.A.RAMGUDE, (2013). [Computational investigation of convective heat transfer over a dimpled surface](#). *International Journal of Global Technology Initiatives*

7. (IJGTI). 2(1), E31-E39. ISBN/ ISSN No : 2277-6591. URL : <http://www.ijgti.org.in/index.php/ijgti/search>. R.B.GURAV,S.M.GAIKWAD,PRITEE PUROHIT, J.D.PATIL, (2013). [Experimental Investigation of Heat Transfer on Dimple and Flat Plate](#). *International Journal of Global Technology Initiatives (IJGTI)*. 2(1), E60-E63. ISBN/ ISSN No : 2277-6591. URL : <http://www.ijgti.org.in/index.php/ijgti/search>.
8. R.B.GURAV, S.M.GAIKWAD, J.D.PATIL, A.A.RAMGUDE, (2013). [Computational investigation of convective heat transfer over a dimpled surface](#). *International Journal of Global Technology Initiatives (IJGTI)*. 2(1), E31-E39. ISBN/ ISSN No : 2277-6591. URL : <http://www.ijgti.org.in/index.php/ijgti/search>.
9. R.B.GURAV, S.M.GAIKWAD, J.D.PATIL, A.A.RAMGUDE, (2013). [Computational investigation of convective heat transfer over a dimpled surface](#). *International Journal of Global Technology Initiatives (IJGTI)*. 2(1), E31-E39. ISBN/ ISSN No : 2277-6591. URL : <http://www.ijgti.org.in/index.php/ijgti/search>.
10. R.B.GURAV,S.M.GAIKWAD, J.D.PATIL, A.A.RAMGUDE, (2013). [Finite Volume Analysis Of Convective Heat Transfer Augmentation From Horizontal Rectangular Fin by Elliptical Perforations](#). *International Journal of Global Technology Initiatives (IJGTI)*. 2(1), E40-E44. ISBN/ ISSN No : 2277-6591. URL : <http://www.ijgti.org.in/index.php/ijgti/search>.
11. R.B.GURAV,S M GAIKWAD, J D PATIL, (2013). [Natural heat Convection through Dimple plates](#). *International Journal of Global Technology Initiatives (IJGTI)*. 2(1), E69-E71. ISBN/ ISSN No : 2277-6591. URL : <http://www.ijgti.org.in/index.php/ijgti/search>.

Conference Publications

1. SM Gaikwad, RB Gurav, Dr Pritee Purohit, (2019). Experimental study of heat transfer enhancement in a novel Padma Heat sink minichannel. *25th National and 3rd International ISHMT-ASTFE Heat and Mass Transfer Conference*. -(-), -. ISBN/ ISSN No : -.

Patent

1. Raviraj Gurav,Pritee Purohit, Sanjay Gaikwad, (2017). 201721024510 A . [PADMA HEAT SINK](#). 04/08/2017, India.
2. Raviraj Gurav,MANISHA NILKANTH , (2016). 201621028759 . [A FULLY AUTOMATIC WATER LEVEL CONTROLLER WITH MAGNETIC SENSOR](#). 02/09/2016, India.
3. Raviraj Gurav,Pritee Purohit, Sanjay Gaikwad, (2016). 201621002053. [Work bench with USB Microscope for Micro art on rice](#). 12/02/2016, India.
4. Raviraj Gurav,Pritee Purohit, Sanjay Gaikwad, (2016). 201621002035. [Modified silencer with unique protective shield](#). 12/02/2016, India.
5. RAVIRAJ GURAV, PRITEE PUROHIT, SANJAY GAIKWAD, (2016). 20621012053A. [Work bench with USB microscope for Art on Rice](#). 12/02/2016, India.
6. SANJAY GAIKWAD, PRITEE PUROHIT, RAVIRAJ GURAV, MANISHA NILKANTH, (2016). 20621012053A. [Work bench with USB microscope for Art on Rice](#). 12/02/2016, India.
7. PRITEE PUROHIT 2)MANISHA NILKANTH 3)RAVIRAJ GURAV 4)SANJAY GAIKWAD , (2016). 4821/MUM/2015 . [ECONOMICAL MULTIPURPOSE CUTTER FOR SHANKARPALI, PURI, DISCO PAPAD AND OTHER SUCH ITEMS](#). 15/01/2016, India.
8. Raviraj Gurav,PRITEE PUROHIT , SANJAY GAIKWAD ,AKSHAY KULKARNI , (2016). 4822/MUM/2015. [Breaking system with better vehicle stability using non-uniform contact pressure for two wheeler](#). 15/01/2016, India.

Workshop

1. AICTE approved Two week Faculty Development Programme conducted by Indian Institute of Technology Bombay (Attended), Foundation Program in ICT for Education, 2018, Army Institute of Technology
2. Two week workshop organized by IIT Kharagpur and Raisoni COE Wagholi (Attended), Fluid Mechanics, 2014, Wagholi, Pune
3. One week workshop organized by NITTR Bhopal (Attended), Nanomaterials and Nanocomposites, 2014, Pune
4. One week workshop organized by NITTR Bhopal (Attended), Nanomaterials and Nanocomposites, 2014, Pune
5. One week workshop organized by COE Pune under TEQIP (Attended), Nanomaterials and Nanocomposites, 2013, Pune

Research Grants

Title Of Project	Funding Agency	Duration		Sanctioned Amount	Role of Investigator
Experimental investigations on buoyancy-induced flow and heat transfer characterization in cavities	BCUD	16/08/2016	14/08/2018	180000.00	Principal Investigator

Consultancy

Title Of Project	Funding Agency	Duration		Sanctioned Amount	Investigator Role
CFD Training	Industry person	09/12/2017	14/01/2018	20000.00	Co-Investigator

Professional Memberships

Society	Membership No	Duration

Achievements/ Contribution

Year	Details
2013	'BEST TEACHER' Award from AIT

No of PhD Students Guided : 0 **No of PG Students Guided** : 0
No of PhD Awarded Students : 0