

## STAFF PROFILE



**Dr. Umesh Vandeorao Awasarmol**

Professor

Mechanical Engineering

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*Date of Joining*  
27/07/2006

*Nature of Appointment*  
Regular

### Educational Details

Qualification	Degree	University	Grade	Year
Graduation	BE Mech	Amravati University	First class	1996
PG	ME Mech	Pune University	First class	2005
Doctoral	Ph D Mech	Shivaji University		2016

### Areas of Interest

Natural convection, Forced convection, Solid rectangular/pin fins, Perforated fins, Heat transfer enhancement, Discrete fins, Computational fluid dynamics

### Experience Details

Total : 0.00 years	Teaching : 0.00 years	Research : 0.00 years	Industry : 0.00 years
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Type	Duration/ Period	Designation/ Organisation Name	Brief Job Profile
Educational	0.00 Years 17/09/1996 to 03/10/1997	Lecturer College of Engineering, Malegao (Baramati)	
Educational	0.00 Years 04/10/1997 to 31/07/2000	Lecturer STB College of Engineering, Tuljapur	
Educational	0.00 Years 01/08/2000 to 26/07/2006	Lecturer Modern College of Engineering, Pune	
Educational	0.00 Years Since 27/07/2006	Associate Prof Army Institute of Technology, Pune, Pune	

## Journal Publications

1. Umesh Vandeorao Awasarmol, Ashok T. Pise, (2018). Experimental study of heat transfer enhancement from array of alternate dwarf fins at different inclinations. *IEIC series*. 99(1)(99(1)), 125-131. ISBN/ ISSN No : 2250-0545.
2. Umesh V. Awasarmol, Ashok T Pise, (2015). An Experimental Investigation of Natural Convection Heat Transfer Enhancement from Perforated Rectangular Fins Array at different Inclinations. *Experimental Thermal and Fluid Science*. 68(68), 145-154. ISBN/ ISSN No : 0894-1777.
3. U V Awasarmol, Abhishek Soni, A T Pise, (2012). Enhancement of forced convection heat transfer with permeable fins. *Technical Journal of Institution of engineers (India)*. 36(36), 149-153. ISBN/ ISSN No : 978-81-924990-0-0.
4. U. V. Awasarmol, A T Pise, S D Londhe, (2012). Prediction of Boiler drum pressure using ANN. *Journal of Energy and Power Engineering*. 4(8)(4(8)), 9-15. ISBN/ ISSN No : 1934-8975.
5. U V Awasarmol, Devvrat S Rathore, A T Pise, (2012). Past Trends in the development of Plate-Fin Heat-Sinks for Cooling of Electronics: Numerical Approach. *Global Technology Initiatives*. 1(1), 30-36. ISBN/ ISSN No : 2277-6591.
6. Umesh Vandeorao Awasarmol, Ashok Tukaram Pise, (2010). Investigation of Enhancement of Natural Convection Heat Transfer from Engine Cylinder with Permeable Fins. *International Journal of Mechanical Engineering and Technology*. 1(1), 239-248. ISBN/ ISSN No : 0976-6340.

## Conference Publications

1. U V Awasarmol, A T Pise, (2014). Forced Convection Heat Transfer from Discrete Fins. *3rd International Conference on Recent Trends in Engineering & Technology, (ICRTET'2014)*. -( ), 412-418. ISBN/ ISSN No : 978-93-5107-222-5.
2. U V Awasarmol, A T Pise, (2014). Forced Convection Heat Transfer from Discrete Fins. *3rd International Conference on Recent Trends in Engineering & Technology, (ICRTET'2014)*. -( ), 412-418. ISBN/ ISSN No : 978-93-5107-222-5.
3. U V Awasarmol, A T Pise, (2013). Natural convection heat transfer enhancement from discrete fins. *22nd National and 11th International ISHMT-ASME Heat and Mass Transfer Conference 2013*. -( ), -. ISBN/ ISSN No : -.
4. U V Awasarmol, Siddharth Kale, Ameya Kulkarni, Devender Kumar, K Anil, (2012). Design and Evaluation of High Aspect Ratio Frustum Solar Collector. *International Conference on Recent Technologies (I-CORT 2012)*. -( ), 31. ISBN/ ISSN No : -.
5. U V Awasarmol, A T Pise, (2011). Experimental Study of Effect of Angle of Inclination of Fins on Natural Convection Heat Transfer through Permeable Fins. *International Conference on Thermal Energy and Environment (INCOTEE)*. -( ), -. ISBN/ ISSN No : -.
6. U V Awasarmol, A T Pise, (2011). Experimental investigation of forced convection heat transfer enhancement using perforated fin. *10th International & 21st National ISHMT-ASME Heat & Mass Transfer Conference*. -( ), -. ISBN/ ISSN No : -.
7. U V Awasarmol, A T Pise, (2011). Numerical analysis of heat transfer enhancement using perforated fins at different base inclinations and base temperatures. *10th International & 21st National ISHMT-ASME Heat & Mass Transfer Conference*. -( ), -. ISBN/ ISSN No : -.
8. Umesh Vandeorao Awasarmol, Ashok Tukaram Pise, (2010). Augmentation of Natural Convection Heat Transfer from Cylinder with Permeable Fins. *9th International & 20th National ISHMT-ASME Heat & Mass Transfer Conference*. -(Jan 2010), 12. ISBN/ ISSN No : 978-981-08-3813-3.

## Research Grants

Title Of Project	Funding Agency	Duration	Sanctioned Amount	Role of Investigator

## Consultancy

Title Of Project	Funding Agency	Duration	Sanctioned Amount	Investigator Role

## Professional Memberships

Society	Membership No	Duration	
Indian Society for Technical Education (ISTE)	Life Membership No: LM 50621	01/12/2019	01/12/2019

Indian Society for Heat and Mass Transfer (ISHMT)	Life Membership No: 568	01/12/2019	01/12/2019
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### Achievements/ Contribution

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