

UMMID ISAMIYA SHAIKH

M.Tech. (Mech.-Thermal and Fluids Engineering.)

H1, Pramark Park

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ACADEMIC QUALIFICATION

Pursuing Ph. D : Savitribai Phule Pune University
Research Center: V. I. T. Pune
Research Area: Space cooling by using Phase change Material

M.Tech.(Mechanical) : a) **8.34 C.G. P. A.** (1st Class with Distinction): **2007**
b) Specialization: **Thermal and Fluids Engineering**
[Dr. Babasaheb Ambedkar Technological University, Lonere,
Dist. Raigad]

B.E. (Automobile) : **69.74%** (1st Class with Distinction): **1999**
[Rajambapu Institute of Technology, Sakharale, Dist. Sangli]
[Shivaji University, Kolhapur.]

H. S. C. : **83%** (1st Class with Distinction): **1995**
[Malojiraje Jr. College, Lonand, Dist. Satara]

S. S. C. : **90.28%** (1st Class with Distinction): **1993**
[Malojiraje Vidyalaya , Lonand, Dist. Satara]

Additional Exams Passed: GRE, TOEFL

Computer Proficiency: Computational Fluid Dynamics (CFD) C & C++ Programming
(OOP), Fortran-77

Won Good Teacher award for the year 2008-09 at P.C.C.O.E., Nigdi

EXPERIENCE

[Total Experience : **18 Years (14 Years Teaching and 4 Years Industrial)**
Since July 07 : Asst. Prof. in Pimpri Chinchwad College of Engineering, Nigdi,
2008 Pune
Subjects taught
Applied Thermodynamics, I.C. Engines & Automobile Engineering.
Heat transfer, Gas Turbine and Jet Propulsion, R.A.C.

Feb.08 2008 : Lecturer in Modern education society's College of Engineering,
July 06,2008 Pune.(Wadia College)
Subjects taught
I.C. Engines & Automobile Engineering.

Aug. 18, 2007 : Lecturer in Siddhant College of Engineering,
to Feb 07 2008 **Sudumbare, Pune** in Mechanical Engineering Dept.
Subjects taught
Heat Transfer, Applied Thermodynamics

Aug., 18, 2003 : Lecturer in Nutan Maharashtra Vidya
to Aug.17 2007 Polytechnic, Talegaon Dabhade in Automobile
Engineering Dept.

Subjects taught :Automobile Chassis, Automobile Engine II, Engineering Drawing, Vehicle Maintenance & Garage Practice, Thermal Engineering.

July 7, 2000 to

Aug. 7, 2003 : Engineer (Engine assembly Dept.) in “Maharashtra Scooters Ltd.”, Satara.

June 20, 1999 to : Supervisor in “ Shri Balaji Garage”, Katraj, Pune
June 30, 2000

ADDITIONAL RESPONSIBILITIES

- Development of Laboratories :
Vehicle Maintenance & Garage Practice Lab. Automobile Engine Lab.,Automobile Chassis Lab., Heat Transfer Lab, I. C. Engine.
- Internal Senior supervisor of Pune University Examination, April –May,2009, at PCCOE
- External Senior Supervisor for Pune University Exam. Dec. 2009 at D. Y. P.C.O.E. Nigdi and N.M.I.T., Talegaon
- In-charge, Student’s feedback Analysis 2008-09
- In-charge, Practical oral Examination since 2009-10.
- Faculty Advisor, SAE Collegiate Club, PCCOE since 2011.
- Coordinator, Learning recourses Development Center (LRDC), PCCOE
- Organizing Secretary,“5-day workshop on Advances in I.C. engines” organized by PCCOE in 2011-12
- Member: Registration committee, Techlligent 2009
- Co-ordinator, II shift Mehcnial Engg. Dept. since 2010
- In-Charge, Annual Social Gathering, “Swaratarng 2013”, cultural committee, “Swaratang 2012”
- In-Charge, Publicity committee, Techlligent-2014

WORKSHOP / SEMINAR / STTP ATTENDED

Period	Duration	Title
7 th Feb. 2009	1 day	Detailing of Syllabus of I. C. Engines (2008 course), V.I.I.T., Pune
29 th to 30 th Jan. 2010	2 days	5 th National Workshop on Recent Trends in Heat Exchangers, W.C.O.E., Sangli
27 th to 31 st July, 2010	5days	5 days workshop on Steam Engineering at Forbes Marshall Ltd.
1 st to 5 th Feb. 2010	5 days	Wipro Mission 10X workshop on teaching & learning, D.Y.P.C.O.E., Pimpri
27 th to 28 th Aug. 2010	2 Days	Wipro Mission 10X advanced workshop on teaching & learning, D.Y.P.C.O.E., Pimpri
14 th June to 24 th June 2011	10 days	IITB-ISTE workshop on Thermodynamics for Mechanical Engineers
17 th Sept. 2011	1 day	Formulation of syllabus structure of B.E. Automobile Engg. (2008 course) at Govt. College of Engineering, Awasari.
29 th Nov. 2011 to 10 th Dec. 2011	10 days	IITB-ISTE workshop on Heat Transfer
12 th June 2012 to 22 nd June 2012	10 days	IITB-ISTE workshop on Computational Fluid Dynamics
21 st to 22 nd June	2 days	2-day meet for SAE collegiate club faculty advisors,

2013		
28 th June 2013	1 day	Implementation of revised syllabus (2012 course) of Thermodynamic , Indira College of Engineering & Management, Parandwadi, Pune
5 th Feb. 2015 to 29 th April 2015	Online workshop equivalent to 1 week	IITB workshop on Effective Mentoring of online students in Thermodynamics
15 th June, 2017	1 day	Implementation of revised syllabus (2015 course) of Heat Transfer , Flora Institute of Technology, Pune

* **Working as a Faculty adviser of PCCOE team for SAE BAJA Competition (National all terrain vehicle making competition for students) since 2012.** Attended BAJA SAEINDIA in the year 2012, 13 ,14,15,16 and Enduro Students India (ESI) 2017.

RESEARCH

* **COMPLETED RESEARCH PROJECT:** "Experimental Investigation of Two Phase Natural Circulation Loop (NCL) with End Heat Exchangers"

Duration: 2 years.

Year of completion: 2012

Funded by: B.C.U.D. University of Pune **Amount sanctioned:** Rs. 1.5 lacks

* **M. Tech. PROJECT DETAILS**

Title : "Theoretical Investigations on Two Phase Natural Circulation Loop with End Heat Exchanger"

Duration : Twelve Months.

Synopsis :-The Momentum and Energy Equations have been derived for Two-phase closed rectangular NCL using Homogeneous Equilibrium model.
 - The governing Equation have been Non dimensionlized
 -Computer code has been generated for obtaining the unknown parameters like the loop flow rate and exit steam quality.
 -The Effect of various Non-dimensional parameters on the loop flow rate and exit steam quality has been studied.

* **B. E. PROJECT DETAILS**

Title : "Testing of Ambassador Petrol Engine Using Methanol Gasoline Blend"

Duration : Twelve months

Synopsis : Studied of various alternative fuels, their properties and uses. The existing engine was modified for using Methanol-Gasoline Blend. Performed Variable Speed Test using pure gasoline and Methanol Gasoline Blend and Compared the results

* **M. Tech. SEMINAR DETAILS**

Title : "Two Phase Flow through Micro Channels"

PUBLICATIONS

*** Papers Published:**

1. " Theoretical Investigation of steady state of Two Phase Natural Circulation Loop (NCL) with End Heat Exchangers", National Conference on Total Quality Management in Engineering Education", 5 to 7 March 2009, P.C.C.O.E., Pune.
2. "An Experimental Investigation of Two Phase Natural Circulation Loop (NCL) with End Heat Exchangers" International Journal of Scientific Engineering and Technology (IJSET),1 July 2014, Volume No.3, Issue No.7, pp : 899-901
3. "An investigation of compression and purification of biogas and it's use for domestic instant water heating application" International Journal of Engineering Sciences & Research Technology, 4(6) June 5 , 2015
4. An experimental investigation of free space cooling by phase change material (pcm) International Journal Of Engineering Technology And Sciences (ijets), Vol.4 (1), December 2015, DOI: <http://dx.doi.org/10.15282/ijets.4.2015.1.3.1032>
5. A feasibility study of supersonic air flow for cooling application, International Conference on Science and Engineering for Sustainable Development(ICSESD-2017), Bangkok, Thailand,27 May, 2017

PERSONAL DETAILS

AGE : 39 Years
GENDER : Male
DATE OF BIRTH : June 20, 1978
PERMANENT ADDRESS: B-2, Swarsaya Apt. Near Gote Maal, A/P. Lonand, Tal.
Khandala, Dist. Satara, Pin. 415521

DATE:

PLACE:

SIGNATURE