

# UPHADE DINESHBALASAHEB



## PERSONAL INFORMATION

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**Permanent Address** A/P-Varkheda, Tal-Dindori, Dist-Nashik-422 205

**Gender** Male

**Date of Birth** 11<sup>th</sup> Feb,1982 (*Age 41 yr 10 m as on 27 Dec 2023*)

**Blood Group** O +ve

**Nationality** Indian

**Marital Status** Married (*Spouse MrsRayate S J, M.Sc. Maths, workingat SNJB's KBJ CoE, Chandwad since Jul 2007*)

**Languages Known** English, Marathi, Hindi

## ACADEMICS

NAME OF COURSE	UNIVERSITY/ BOARD	MONTH/ YEAR OF PASSING	PERCENTAGE/ CLASS
<b>PhD Mechanical Engg (TFE)</b>	<b>IIT Bombay</b>	<b>Apr 2018</b>	<b>8.63</b>
M. E. Mechanical Engg (Heat-Power Engg)	Shivaji University	Jul 2009	67.20 % First Class
B. E. Mechanical (Sandwich) ( <i>Sugar Tech</i> )	University of Pune	Aug 2003	71.00 % Distinction
H.S.C. Science	Pune Board	Jun 1999	70.83 % First Class
S.S.C.	Pune Board	Jun 1997	70.93% First Class

## SCHOLARSHIPS AND HONORARIUMS

- ✦ Received **MHRD Postgraduate Scholarship** during doctoral research work with teaching assistantship from 29/01/2011 to 28/12/2016
- ✦ Worked as research fellow for **Tata Centre for Technology and Design** at IIT Bombay for sponsored project from 29/12/2016 to 10/07/2017.
- ✦ Worked for various **Consultancy Projects** of M/s Whirlpool, M/s Godrej, etc. at Heat Pump Laboratory at IIT Bombay
- ✦ Worked as Technical Consultant for various projects in Energy, Sugar and Jaggery Making.

## WORK EXPERIENCE

Industry + Teaching + Research 0.5 + 14.5 + 5.5 = 20.5 yr

- ✦ Currently working as **Associate Professor in Mechanical Engineering** at Maratha Vidya Prasarak Samaj's KBTCOE, Nashik, MVP KBTCOE since **10 Nov 2022** to till date (**1 yr 1 m 17 d**)

- ✦ Worked as **Principal** at Maratha Vidya Prasarak Samaj's Rajarshi Shahu Maharaj Polytechnic, Nashik, MVP RSM POLY since **3 Sep 2019** to 9 Nov 2022. **(3 yr 2 m 06 d)**
- ✦ Worked as **Associate Professor in Mechanical Engineering** at Late G N Sapkal College of Engineering, Nashik, LGNSCOEN since **1 Jun 2018** to 2 Sep 2019 **(1 yr 3 m 1 d)**
  - *Academic Approval by Savitribai Phule Pune University; CCO/2469, Dated 26/11/2018.*
- ✦ Worked as **Dean Research and Development** at Late G N Sapkal College of Engineering, Nashik, LGNSCOEN since **21 Jun 2018** to 2 Sep 2019 **(1 yr 2 m 11 d)**
- ✦ Worked as **Assistant Professor in Mechanical Engineering** at Late G N Sapkal College of Engineering, Nashik, LGNSCOEN since **8 Jan 2018** to 31 May 2018 **(0 yr 5 m 20 d)**
- ✦ Worked as **Assistant Professor in Mechanical Engineering** at Sandip Institute of Engineering and Management, SIEM, Nashik since **11 Jul 2017** to **5/12/2017** **(0 yr 4 m 27 d)**
  - *Academic Approval by Savitribai Phule Pune University; CCO/CAMP/2144(2), Dated 14/10/2017.*
- ✦ Worked as **Teaching Assistant and PhD Scholar in Mechanical Engineering** at Indian Institute of Technology Bombay\_IITB, Powai, Mumbai since **02 Jan 2012** to **10 Jul 2017** **(5 yr 6 m 8 d)**
- ✦ Worked as **Lecturer** in Mechanical Engineering Department at **Karmveer Kakasaheb Wagh Polytechnic\_KKWP, Nashik** from **22 Jul 2010** to **31 Dec 2011** **(1 yr 5 m 9 d)**
- ✦ Worked as **Lecturer** at **Government Polytechnic, Kolhapur**, appointed by The Directorate of Technical Education, Mumbai from **10 Nov 2003** to **21 Jul 2010** **(6 yr 8 m 11 d)**
  - *DTE Appointment; DTE/4A/ESTT/2003/3233, Dated 23/10/2003.*
- ✦ Six weeks training in Chh. Chahu Sugar Factory (*Installation, commissioning of 7.5 MW<sub>e</sub> Cogeneration Plant*)
- ✦ Three weeks training in Niphad Sugar Factory (*Running Season*)
- ✦ Three weeks training in Niphad Sugar Factory (*Maintenance Season*)
- ✦ Six months training in Niphad Sugar Factory (*Running, Maintenance Season*)

## MEMBERSHIPS

Sr #	Memberships	Organization	Membership #
1.	Indian Society of Heating, Air-conditioning and Refrigerating Engineers, <b>ISHRAE</b>	Mumbai Chapter ISHRAE, HQ Delhi	21777
2.	Associate Member of Institution of Engineers, <b>AMIE</b>	IE(I), Kolkata	AM0997547
3.	Indian Society of Technical Education, <b>ISTE</b>	ISTE, New Delhi	131818

## COURSES @ IIT BOMBAY

NAME OF COURSE	Level
Refrigeration and Air-Conditioning, ME350	UG
Applied Thermal Engineering, ME441L	UG
Two Phase Flow and Heat Transfer, ME680	PG
Thermal Environmental Engineering, ME681	PG
Air Conditioning System Design ME684	PG

## PROJECT DETAILS

- ✦ Doctoral Thesis: “*Energy Efficient Jaggery Maker*” successfully defended at **IIT Bombay**, Powai, Mumbai (Defended on 16/04/2018)
- ✦ Post-Graduation: “*Efficiency Improvement of Bagasse Fired Boilers using Bagasse Dryer*” is submitted at P.V.P.I.T. College of Engineering, Sangli, which is affiliated to Shivaji University, Kolhapur
- ✦ Graduation: “*Co-Generation in Sugar Factory*” submitted to N.D.M.V.P. Samaj’s College of Engineering, Nashik, which is affiliated to University of Pune, Pune

## PATENTS

Indian Patent =1

Sr #	Name of Patent	Office	Number	Granted
1.	A Single Stage or a Multi Stage Vapour Recompression System for Recovering Solvent and Process Thereof	Indian Patent Office, Mumbai Filed 09/03/2017	201721008251	29/11/2021

## RESEARCH PAPERS

Journal + Conference = 4 + 16 = 20

Sr #	Name of Research Paper	Organized By	Duration	Place	Level
20.	Jaggery Making Process and Equipments: Review	Springer Journal of Energy Engineering	<b>Under Review</b>	---	INTERNATIONAL
19.	The Potential of Heat Recovery for Air-Conditioning in Sugar Industry	<b>Springer Nature</b> Journal IE(C)	Published Jul 22, 2021	---	INTERNATIONAL
18.	Heat Pump for Energy Efficient SCJ Freeze Pre-Concentration System	<b>Springer</b> Journal of Sugar Tech	Published Dec 29, 2017	---	INTERNATIONAL
17.	Novel Long Stroke Reciprocating Compressor for Energy Efficient Jaggery Making	10 <sup>th</sup> International Conference on Compressors and their Systems, <b>City University</b>	11-13 <sup>th</sup> Sep 2017	LONDON, <b>UK</b>	INTERNATIONAL
16.	Thermoelectric Multi-Utility Water Heater cum Air-Conditioner	16 <sup>th</sup> International Refrigeration and Air-Conditioning Conference at <b>Purdue</b>	11-14 <sup>th</sup> Jul 2016	WEST LAFAYETTE, IN, <b>USA</b>	INTERNATIONAL
15.	Heat Pump for Energy Efficient SCJ Freeze Pre-Concentration System	16 <sup>th</sup> International Refrigeration and Air-Conditioning Conference at <b>Purdue</b>	11-14 <sup>th</sup> Jul 2016	WEST LAFAYETTE, IN, <b>USA</b>	INTERNATIONAL
14.	Energy Efficient Jaggery Making using Freeze Pre-concentration of SCJ	<b>Elsevier</b> Journal of Energy Procedia	Published	---	INTERNATIONAL
13.	Energy Efficient Jaggery Making using Freeze Pre-concentration of SCJ	5 <sup>th</sup> International Conference on Advances in Energy Research, ESE <b>IIT Bombay</b>	15-17 <sup>th</sup> Dec 2015	MUMBAI	INTERNATIONAL

12.	Design and Development of Bagasse Dryer using HFG	Indira College of Engineering, <b>Pune</b>	13-15 <sup>th</sup> Jan 2011	PUNE	NATIONAL
11.	Sugar Cane Bagasse Drying using Hot Air-Case Study of Lab Model	STAI, New Delhi <b>70<sup>th</sup> Annual Convention</b>	26-29 <sup>th</sup> Aug 2010	UDAIPUR(RJ)	NATIONAL
10.	Carbon Credits- Green theme for Sugar Industry	STAI, New Delhi <b>70<sup>th</sup> Annual Convention</b>	26-29 <sup>th</sup> Aug 2010	UDAIPUR(RJ)	NATIONAL
9.	Sugar Bagasse Gasification	STAI, New Delhi <b>70<sup>th</sup> Annual Convention</b>	26-29 <sup>th</sup> Aug 2010	UDAIPUR(RJ)	NATIONAL
8.	Use of Nanotechnology for Sugar Industry	DSTA, Pune <b>57<sup>th</sup> Annual Convention</b>	17-19 <sup>th</sup> Sep 2010	PUNE	STATE
7.	Utilization of Waste Flue Gases For Sugar Cane Bagasse Drying	<b>ASME</b> International Mech. Congress & Exposition <b>2009</b>	11-19 <sup>th</sup> Sep 2009	FLORIDA	INTERNATIONAL
6.	Use of Nanotechnology in Sugar Industry	<b>ASME</b> International Mech. Congress & Exposition <b>2009</b>	11-19 <sup>th</sup> Sep 2009	FLORIDA	INTERNATIONAL
5.	Energy Conservation in Sugar Industry	PVPIT, <b>Sangli</b>	20 <sup>th</sup> Mar 2009	SANGLI	NATIONAL
4.	Use of Nanotechnology in Sugar Industry	Rajarambapu Institute of Tech. <b>Sakrale</b>	20-21 <sup>st</sup> Mar 2009	SANGLI	NATIONAL
3.	Sugar Cane Bagasse as Non-Conventional Energy Source	Annasaheb Dange College of Engg Tech, Islampur, <b>Sangli</b>	26 <sup>th</sup> Feb 2009	ASHTA	UNIVERSITY SYMPOSIUM
2.	Practical Approaches to Sugarcane Bagasse Drying	DSTA, Pune <b>56<sup>th</sup> Annual Convention</b>	19-21 <sup>st</sup> Sep 2008	PUNE	STATE
1.	Energy Conservation by Sugarcane Bagasse Drying	STAI, New Delhi <b>69<sup>th</sup> Annual Convention</b>	20-23 <sup>rd</sup> Aug 2008	AURANGABAD	NATIONAL

## WORKSHOPS / EXHIBITIONS / SEMINARS

Sr #	Workshops/Exhibitions/Seminars	Organized By	Duration	Place	Level
16.	NEP 2020: WS on Policy and Implementation	MVP Samaj, Nashik	11 <sup>th</sup> Feb 2023	IMRT, MVP Samaj, Nashik	INSTITUTE
15.	Regional Project Competition	Govt. Poly, Nashik	12 <sup>th</sup> Apr 2022	Govt. Poly, Nashik	REGIONAL
14.	Techfest 2016 (E)	IIT Bombay	16 to 18 <sup>th</sup> Dec 2016	IIT Bombay <b>MUMBAI</b>	NATIONAL
13.	Make in India 2016 (E)	DoIPP, MoCI, GoI; GoM; CII	13 to 18 <sup>th</sup> Feb 2016	BandraKurla Complex <b>MUMBAI</b>	NATIONAL
12.	How to Get It Published (S)	<b>Wiley</b> Publishing House	14 <sup>th</sup> Dec 2016	IIT Bombay <b>MUMBAI</b>	NATIONAL
11.	Global Business Forum 2015 (E)	Alumni Association, IIT Bombay	16 to 18 <sup>th</sup> Oct 2015	Dr SPM Stadium, Goa University, <b>GOA</b>	NATIONAL
10.	National Seminar on Milk Processing	IDA	23 to 24 <sup>th</sup> Apr 2015	Bombay Exhibition Center, <b>MUMBAI</b>	NATIONAL
9.	Illuminate 2014 Eureka Business Plan (W)	E-cell, IIT Bombay	28 <sup>th</sup> Sep 2014	VMCC, IITB <b>MUMBAI</b>	NATIONAL
8.	ACREX 2013 Air-Conditioning & Refrigeration Exhibition (E)	ASHRAE	5 <sup>th</sup> to 9 <sup>th</sup> Mar 2013	Bombay Exhibition Center, <b>MUMBAI</b>	INTERNATIONAL
7.	ACREX 2013 Safe design construction & maintenance of Ammonia Refrigeration Systems by Prof Enric M Smith, ILAR(S)	ASHRAE	9 <sup>th</sup> Mar 2013	Hyatt Regency, <b>MUMBAI</b>	INTERNATIONAL

6.	DIPEX 2011 Diploma Project Exhibition (E)	ABVP-TSVPS	3 <sup>rd</sup> to 6 <sup>th</sup> Mar 2011	GP Aurangabad, <b>AURAGABAD</b>	NATIONAL
5.	Boiler Automation (S)	Government Polytechnic, Kolhapur	25 <sup>th</sup> Sep 2006	<b>KOLHAPUR</b>	STATE
4.	54 <sup>th</sup> Annual Convention (E)	DSTA, Pune	15 <sup>th</sup> Sep 2006	<b>PUNE</b>	STATE
3.	BIO-DIESEL Production (S)	Chh. Shahu College, Kolhapur	20 <sup>th</sup> Mar 2006	<b>KOLHAPUR</b>	STATE
2.	Grape Wine Production Workshop (W)	The News Paper, Gavakari.	04 <sup>th</sup> Mar 2006	<b>NASHIK</b>	STATE
1.	Industrial Exhibition <i>SIMIX-2009</i> : Analytical & Industrial Equipments (E)	Pune Industries Association, Pune	25 <sup>th</sup> Feb 2006	<b>PUNE</b>	STATE

## TRAININGS ATTENDED

Sr #	Name of Training	Name of Organizer	Dates	Duration
7.	CAD/ CAM	MSBTE, Mumbai GGs Polytechnic, <b>NASHIK</b>	12/12/2011 to 16/12/2011	01 Week
6.	Advances in RAC	MSBTE, Mumbai MIT's SF Polytechnic, <b>PUNE</b>	06/09/2010 to 10/09/2010	01 Week
5.	CAD	ISTE Sponsored Government Polytechnic, <b>KOLHAPUR</b>	17/12/ 2007 to 11/01/ 2008	02 Weeks
4.	Industrial Training	Chh. Shahu S.S.K. Ltd, Kagal, <b>KOLHAPUR</b>	18/ 07/ 2007 to 17/ 09/ 2007	02 Months
3.	Industrial In plant Training	Niphad S.S.K. Ltd, Niphad, <b>NASHIK</b>	28/ 12/ 2002 to 30/06/2003	06 Months
2.	Industrial In plant Training-II	Niphad S.S.K. Ltd, Niphad, <b>NASHIK</b>	10/12/2001 to 29/ 12/2001	03 Weeks
1.	Industrial In plant Training-I	Niphad S.S.K. Ltd, Niphad, <b>NASHIK</b>	05/10/2000 to 25/ 10/2000	03 Weeks

## DISSERTATION EVALUATIONS

Sr #	Dissertation/Thesis	University
1.	Dissertations in Heat-Power Engineering Mechanical Engineering	Mumbai University

## BOOKS AND CHAPTERS

Sr #	Dissertation/Thesis	ISBN	Publisher	Institution Referred
2.	Thermal Engineering-I: DIP 3 <sup>rd</sup> SEM Translator for English to Marathi	978-81-960576-4-0	All India Council for Technical Education (AICTE), New Delhi	All India Polytechnic Institutes
1.	Power Engineering and Refrigeration	978-93-5583-140-8	Tech-Neo Publications, Pune	MSBTE, Mumbai

## REVIEWER

Sr #	Publisher	Journal / Conference
1.	Elsevier	Energy Conversion and Management-Journal
2.	Yildiz Technical University, Istanbul, Turkey	Journal of Thermal Engineering
3.	Pillai College of Engineering, New Panvel	Conference on Technologies for Future Cities 2019
4.	ISHRAE HQ, New Delhi	Student Research Project Grants, SPRG 2021, 22,23
5.	College of Engineering, Pune	Second International Conference and Exposition in Mechanical Engg, ICAME 2022

## ABROAD VISITS

Sr #	Name of Country	Purpose
1.	United States of America, USA	To Present Conference Papers in 16 <sup>th</sup> International RAC Conference at Purdue University, IN, USA

## SKILL SETS

- ✦ Computer Literacy: SolidWorks, AutoCAD, MathCAD, COMSOL Multiphysics, IDEAS-9, UG NX 4.0, Grapher, C and C++ language, MS Office

**Date:** 25<sup>th</sup> Dec 2023

**Place:** Nashik



**DINESH B UPHADE**