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## Personal Profile

Name: Mr. Satish Jamrao Suryawanshi  
Date of Birth: 18/09/1981  
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## Education

Degree	Institute/University	Class and percentage	Year of passing
Ph.D. (Mech.Engg.)	Govt. College of Engineering, Amravati, Amravati University	Pursuing	--
M.Tech. (Heat Power Engg.)	Visveswaraya National Institute of Technology, Nagpur	9.12	2009
B.E. (Mech.Engg.)	Pune University	67.40	2003

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## Thesis/dissertation

Degree	Supervisors	Title
M.Tech.	Dr. A. S. Dhobale	“Performance Evaluation and Combustion Optimization of two cylinders DI Diesel Engine Using AVL-BOOST Simulation Software”

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## Professional experience details

**Total experience as on 4<sup>th</sup> March 2022: 14 Years, 2 Months**

Organization/institute	Department	Post	From	To	Experience
MVPS's KBT College of Engineering, Nashik (NAAC Accredited 'A' grade institute)	Mechanical Engineering	Assistant Professor	01/09/2011	Currently working	10 years, 5 Months
MVPS's KBT College of Engineering, Nashik (NAAC Accredited 'A' grade institute)	Mechanical Engineering	Lecturer	01/02/2011	31/08/2011	09 Months
Late G. N. Sapkal College of Engg. Nashik	Mechanical Engineering	Lecturer	21/07/2009	31/01/2011	1 Year, 6 Months
MIT Pune	Mechanical Engineering	Lecturer	13/08/2005	31/12/2006	1 Year, 6 Months

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## Publications

**Total publications: 07**

## Journal Papers & Conference Proceedings

Journal Papers
<ul style="list-style-type: none"><li>● A paper entitled “Design and Simulation of Producer Gas Carburetor- A Review, International Journal of Current Engineering and Technology, (2014)</li></ul>
<ul style="list-style-type: none"><li>● Mixing performance analysis of various shapes of Producer Gas Carburetor using CFD simulations, <i>Journal of Institution of Engineers (India)- Series C, Springer Publications</i> (Accepted) (Mar 2018)</li></ul>
<ul style="list-style-type: none"><li>● A paper entitled “Mixing performance analysis of producer gas carburetors for dual fuel CI engine”, <i>Journal of Institution of Engineers (India)- Series C, Springer Publications</i>, Vol. 102, issue 5, p. 1251-1259 (2021).</li></ul>
<ul style="list-style-type: none"><li>● A paper entitled “Parametric study of different biomass feedstocks used for gasification process of gasifier—a literature review”, <i>Journal of Biomass Conversion and Biorefinery, Springer Publications</i>.</li></ul>

Papers presented in International /National Conferences
<ul style="list-style-type: none"><li>● A paper entitled “Performance Evaluation of Two Cylinder DI Diesel Engine Using AVL BOOST Simulation Software” presented at International Conference of Advances in Mechanical Engineering at SVNIT, Surat.</li></ul>
<ul style="list-style-type: none"><li>● A paper entitled “Design and Simulation of Producer Gas Carburetor- A Review, presented in the first international conference held on 12-14 March, 2012 at Amrutvahini college of Engineering, Sangamner”.</li></ul>
<ul style="list-style-type: none"><li>● Presented a paper entitled “Effect of angle variation in Y shape Producer Gas Carburetor on Performance and Emission characteristics of a Dual fuel CI engine, International Conference on Thermal and Engineering applications” held on 23-26 February 2019 at PDP, Gandhinagar, Gujarat</li></ul>

## NPTEL /Coursera Courses completed

- NPTEL Course on Accreditation and Outcome based Learning
- NPTEL Course on Energy Conservation and Waste Heat Recovery
- NPTEL Course on Solar Energy Awareness
- NPTEL Course on NBA Accreditation and Teaching - Learning in Engineering (NATE)
- NPTEL Course on Fluid dynamics and turbomachines

- NPTEL Course on Fluid Machines
- NPTEL Course on Nanomaterials For Energy Harvesting And Storage Application
- NPTEL Course on Experimental Methods in Fluid Mechanics
- Coursera Course on Create Training Videos with Powtoon
- Coursera Course on Gmail: The Foundation To Accessing Google Apps
- Coursera Course on Improve Business Performance with Google Forms
- Coursera Course on Introduction to Project Management with ClickUp
- Coursera Course on Building Candlestick Charts with Google Sheets
- Courser Course on Create a Resume and Cover Letter with Google Docs

## **Subjects taught**

<b>Sr. No.</b>	<b>Institute</b>	<b>Subjects</b>
1	MVPS's KBT College of Engineering, Nashik	Fluid Mechanics, Turbomachines

## **Member of Professional Society Chapter**

- Indian Society for Refrigeration & Air conditioning
- Society of Automotive Engineers India

## **Research Interest**

- Fluid Mechanics, I. C. Engines, Refrigeration and Air conditioning.

## **Conferences / Seminars / Workshops participated**

<ul style="list-style-type: none"> <li>● Participated in workshop on “Be Effective” during 22-24 December, 2005 at at MIT, Pune.</li> </ul>
<ul style="list-style-type: none"> <li>● Participated in a Two-week ISTE Workshop on “Thermodynamics in Mechanical Engineering” conducted by IIT Bombay during 14-24 June 2011 at K. K. Wagh College of Engineering Education &amp; Research, Nashik.</li> </ul>

## **Curriculum activity**

- ISHRAE Student Chapter Coordinator
- Dept. Alumni Coordinator
- Magazine Co-coordinator.

## **Declaration**

I consider myself familiar with Mechanical Engineering Aspects. I am also confident of my ability to work in a team. I hereby declare that the information furnished above is true to the best of my knowledge.

**Place: Nashik (Maharashtra State)**

**(Mr. Satish Jamrao Suryawanshi)**