

## Somaiya Vidyavihar University

<b>Name:</b> Vijay Hari Shinde		<b>E-mail:</b> vijayshinde@somaiya.edu	
<b>Contact No:</b> 02266449495, Mob. 9323839414			
<b>Department/Section:</b> Mechanical Engineering			
<b>College:</b> K. J. Somaiya College of Engineering			
<b>DOJ Somaiya:</b> 5/1/2009	<b>Career Experience:</b> 20 Yrs	<b>Industry Experience:</b> 3 Yrs	<b>Teaching Experience:</b> 17 Yrs
<b>Present Academic Designation:</b> Assistant Professor		<b>Present Administrative Designation:</b> NA (Principal/Vice-Principal/ Associate Dean/ HOD etc)	

Area of research/specialization and Courses Delivered
<p><b>Research domain/interests/areas</b></p> <ol style="list-style-type: none"> <li>1. Thermal &amp; Fluids Engineering</li> <li>2. Fuels Combustion</li> </ol> <p><b>Courses Delivered</b></p> <ol style="list-style-type: none"> <li>1. Thermodynamics</li> <li>2. Fluid Mechanics</li> <li>3. Engineering Mechanics</li> <li>4. Hydraulic Machinery</li> <li>5. Refrigeration and Airconditioning</li> <li>6. Heat and Mass Transfer</li> </ol>

<b>Recognition as a teacher by any University</b>	<b>UG:</b> Yes	<b>PG:</b> No	<b>Ph.D :</b> No
<b>Details of Recognitions</b>			
<ol style="list-style-type: none"> <li>1. University of Mumbai approved Lecturer as per letter No. CONCOL/SA/730/2011 dated 17/02/2011</li> <li>2. Somaiya Vidyavihar University approved Assistant Professor as per letter No. SVU/R/APP/KJSCE/20- 21/78</li> </ol>			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
PG	Ph.D	IIT Bombay	IIT Bombay	2024	-
PG	M.Tech (Thermal & Fluids Engineering)	IIT Bombay	IIT Bombay	2002	7.86
UG	B.E (Mechanical)	Mumbai	SPCE, Mumbai	1999	55.21

Notable Experience Details					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)

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1.	Vidyavardhini's College of Engineering & Technology	Lecturer (Mechanical)	7/8/2006	6/8/2008	2
2.	K. J. Somaiya College of Engineering	Assistant Professor (Mechanical)	5/1/2009	Till date	15

<b>Research Accomplishments and Projects</b>		
<b>No of students pursuing Ph.D as on date:</b> Nil		<b>No of students completed Ph.D as on date:</b> Nil
<b>No of students completed PG thesis / Project work as on date:</b> Nil		<b>No of students / groups completed UG projects as on date:</b> 10
<b>Publications Total: 6</b>	<b>Number of Peer review Journal papers: 3</b>	<b>Number of Conference papers: 3</b>
<b>Details of Publications:</b>		
<b>International Journals – 3</b>		
<ol style="list-style-type: none"> <li>Shinde, V., Fulzele, A., &amp; Kumar, S. (2023). Laminar burning velocity measurements of C1-C4 alkane-air mixtures at elevated mixture temperatures. <i>Fuel</i>, 352, 129096.</li> <li>Shinde, V., Fulzele, A., &amp; Kumar, S. (2024). Experimental measurements of laminar burning velocity of premixed propane-air flames at higher pressure and temperature conditions. <i>Fuel</i>, 356, 129561.</li> <li>Shinde, V., Fulzele, A., &amp; Kumar, S. (2024). Investigation on Laminar Burning Velocity Measurements of Premixed Ethane-Air Mixture at Higher Pressure and Temperature Conditions. <i>Fuel</i>, 358, 130175.</li> </ol>		
<b>National Journals – Nil</b>		
<b>International Conferences – 3</b>		
<ol style="list-style-type: none"> <li>V. Shinde, A. Fulzele, and S. Kumar, "Measurements of laminar burning velocity of ethane-air mixtures at elevated temperatures," in <i>Proceedings of the VII International Conference on Sustainable Energy and Environmental Challenges (VII SEEC), IIT BHU, Varanasi, India, 2022</i>.</li> <li>V. Shinde, A. Fulzele, and S. Kumar, "Laminar Burning Velocities of Propane-air Mixtures at Elevated Temperatures and Pressures," in <i>29th ICDERS, SNU Siheung, KOREA, 2023</i>.</li> <li>V. Shinde, A. Fulzele, and S. Kumar, "Laminar burning velocity measurement of ethane-air mixtures at engine relevant conditions," in <i>Proceedings of the VIII International Conference on Sustainable Energy and Environmental Challenges (VIII SEEC), MNIT, Jaipur, India, 2023</i>.</li> </ol>		
<b>Books/Book Chapters – Nil</b>		
<b>Patents/Copy Rights – Nil</b>		
<b>No of Research / consultancy / projects completed:</b> Nil	<b>No of Research / consultancy / projects on-going:</b> Nil	<b>No of Research / consultancy / projects on applied as on date:</b> Nil

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**Details of Research / consultancy / projects:** Nil

**IPR/ Copyrights:** Nil

### **FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered**

#### **Attended**

1. Two-week ISTE workshop on “Heat Transfer”, conducted by IIT Bombay through ICT (MHRD), at remote centre VJTI, Mumbai from 29<sup>th</sup> November to 10<sup>th</sup> December, 2011.
2. Two-week ISTE workshop on “Computational Fluid Dynamics”, conducted by IIT Bombay through ICT (MHRD), at remote centre K. J. Somaiya College of Engineering, Mumbai from 12<sup>th</sup> June to 22<sup>nd</sup> June, 2012.
3. One week short term course sponsored by AICTE under QIP on “CFD Application & Engineering Analysis using Computing Softwares”, organized by VJTI, Mumbai from 11<sup>th</sup> November, 2013 to 15<sup>th</sup> November, 2013.
4. One week short term course sponsored by AICTE under QIP on “Fluid Flow and Computational Method”, organized by VJTI, Mumbai from 23<sup>rd</sup> February, 2017 to 28<sup>th</sup> February, 2017.
5. One week AICTE-ISTE approved induction/refresher programme on “Advances in Fluid Dynamics: Experimental and Computational Approaches”, organized by K. J. Somaiya College of Engineering, Mumbai from 1<sup>st</sup> January, 2018 to 5<sup>th</sup> January, 2018.

#### **Organized**

1. Worked as “Teaching Assistant” in Two-week ISTE workshop on “Thermodynamics in Mechanical Engineering”, conducted by IIT Bombay through ICT (MHRD), at remote centre K. J. Somaiya College of Engineering, Mumbai from 14<sup>th</sup> June to 24<sup>th</sup> June, 2011.
2. Worked as “Teaching Assistant” in Two-week ISTE workshop on “Fluid Mechanics”, conducted by IIT Bombay through ICT (MHRD), at remote centre K. J. Somaiya College of Engineering, Mumbai from 20<sup>th</sup> June to 30<sup>th</sup> May, 2014.

#### **Delivered**

1. Lecture and conducted practical training on “Biomass characterization” in short term intensive practical training program on renewable energy systems, sponsored by Maharashtra Energy Development Agency (MEDA), organized by K. J. Somaiya College of Engineering, Mumbai from 10<sup>th</sup> May, 2010 to 22<sup>nd</sup> May, 2010.

### **Notable Key Scholastic Achievements**

- |    |   |
|----|---|
| 1. | Certified “Energy Manager” of “Bureau of Energy Efficiency (BEE)”, since December, 2013.  |
| 2. | Completed eight weeks NPTEL online certification course on “Fluid Machines”, with a consolidated score of 89%, conducted by IIT Kharagpur from February to March, 2018. |

### **Notable Positions and Responsibility**

PG Co-ordinator (Energy Engineering) since January, 2024



**Date:** 09/05/2024

**Signature of Faculty Member**