

Somaiya Vidyavihar University

Name: Vijay Hari Shinde		E-mail: vijayshinde@somaiya.edu	
Contact No: 02266449495, Mob. 9323839414			
Department/Section: Mechanical Engineering			
College: K. J. Somaiya College of Engineering			
DOJ Somaiya: 5/1/2009	Career Experience: 21 Yrs	Industry Experience: 3 Yrs	Teaching Experience: 18 Yrs
Present Academic Designation: Assistant Professor		Present Administrative Designation: NA (Principal/Vice-Principal/ Associate Dean/ HOD etc)	

Area of research/specialization and Courses Delivered
Research domain/interests/areas - Thermal & Fluids Engineering - Fuels Combustion Courses Delivered - Thermodynamics - Fluid Mechanics - Engineering Mechanics - Hydraulic Machinery - Refrigeration and Airconditioning - Heat and Mass Transfer

Recognition as a teacher by any University	UG: Yes	PG: No	Ph.D : No
Details of Recognitions - University of Mumbai approved Lecturer as per letter No. CONCOL/SA/730/2011 dated 17/02/2011 - Somaiya Vidyavihar University approved Assistant Professor as per letter No. SVU/R/APP/KJSCE/20- 21/78			

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	16

Research Accomplishments and Projects		
No of students pursuing Ph.D as on date: Nil		No of students completed Ph.D as on date: Nil
No of students completed PG thesis / Project work as on date: Nil		No of students / groups completed UG projects as on date:10
Publications Total: 8	Number of Peer review Journal papers: 5	Number of Conference papers: 3
Details of Publications:		
International Journals – 5		
1. Shinde, V., Fulzele, A., & Kumar, S. (2023). Laminar burning velocity measurements of C1-C4 alkane-air mixtures at elevated mixture temperatures. <i>Fuel</i>, 352, 129096. 2. Shinde, V., Fulzele, A., & 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. 3. Shinde, V., Fulzele, A., & 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. 4. A. Fulzele, V. Shinde, and S. Kumar, “Experimental investigation on laminar burning velocity of iso-Octane/Air mixtures at elevated pressures and temperature conditions,” <i>Fuel</i>, vol. 401, no. June, p. 135940, 2025, doi: 10.1016/j.fuel.2025.135940. 5. A. Fulzele, V. Shinde, and S. Kumar, “Experimental Investigation of Laminar Burning Velocity of Methyl Acetate / Air Mixtures at Elevated Temperatures Experimental Investigation of Laminar Burning Velocity of Methyl Acetate / Air Mixtures at Elevated Temperatures,” <i>Combust. Sci. Technol.</i>, vol. 00, no. 00, pp. 1–16, 2025, doi: 10.1080/00102202.2025.2540990.		
National Journals – Nil		
International Conferences – 3		
1. 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)</i>, IIT BHU, Varanasi, India, 2022. 2. 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</i>, 2023. 3. 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)</i>, MNIT, Jaipur, India, 2023.		
Books/Book Chapters – Nil		

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Patents/Copy Rights – Nil		
No of Research / consultancy / projects completed: Nil	No of Research / consultancy / projects on-going: Nil	No of Research / consultancy / projects on applied as on date: Nil
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 29th November to 10th 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 12th June to 22nd 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 11th November, 2013 to 15th November, 2013. 4. One week short term course sponsored by AICTE under QIP on “Fluid Flow and Computational Method”, organized by VJTI, Mumbai from 23rd February, 2017 to 28th 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 1st January, 2018 to 5th 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 14th June to 24th 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 20th June to 30th 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 10th May, 2010 to 22nd 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.

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3.	Completed twelve weeks NPTEL online certification course on “Introduction to Fluid Mechanics”, with a consolidated score of 76 %, conducted by IIT Kharagpur from January to April, 2025.
4	Received “Naik and Rastogi Best Ph.D Thesis Award” at IIT Bombay during 63 rd Convocation ceremony on 23 rd August 2025.

Notable Positions and Responsibility

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



Date: 22/09/2025

Signature of Faculty Member