



## Department of Mechanical Engineering

### Faculty Profile

#### Prof.(Dr) S.J.Navale

PhD (Mechanical Engineering)

Assistant Professor

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#### Research Areas / Areas of Interest

Thermal Engineering, IC Engines, Combustion Modelling, Heat Transfer

#### Personal Details

**Date of Birth :** 15 / 06 / 1978

**Domicile:** Maharashtra

**Gender :** Male

**Blood Group:** B+ve

**Contact Details:** B2/42, Sobapuram Apartment, Warje , Pune – 411058

## Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Mechanical Engineering	Pune	--	Sep 2018
2	M.E.	Mechanical – Design Engg.	Shivaji	I <sup>st</sup>	May 2003
3	B.E.	Mechanical Engineering	Pune	II	May 2000

## Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	16	07
2	Research	00	00
3	Industry		
4.	Others	--	--
<b>Total</b>		<b>16</b>	<b>7</b>

## Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Heat Transfer	UG	TE (Mechanical)	04
2	Applied Thermodynamics	UG	SE (Mechanical)	04
3	Computer Oriented Numerical Methods	UG	TE (Mechanical)	06

4	I.C.Engines	UG	TE (Mechanical)	05
5	Noise, Vibration Harshness	PG	SY(Mechanical – Automotive)	01
7.	Basic Mechanical Engineering	UG	FE	04
8	Engineering Graphics	UG	FE	04

### Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
<b>Journals</b>	0	03	0	03	01
<b>Conferences</b>	01	01		0	--

### Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1.	An experimental study on performance, emission and combustion parameters of hydrogen fueled spark ignition engine with the timed manifold	S.J. Navale R.R. Kulkarni S.S. Thipse	2017	International Journal of Hydrogen Energy, 42 (12), 8299-8309	ISSN 0360-3199	Elsevier

	injection system					
2	Simulation Model of Hydrogen Fueled SI Engine	S.J. Navale R.R. Kulkarni S.S. Thipse	2015	International Journal Of Engineering Technology And Sciences,4(1),1-7	ISSN: 2289-679X	University Malaysia Pahang
3	Investigation of Performance of SI Engine with Fuels - Gasoline, Natural Gas And H-Cng5 Gas	K. R. Kapadani , S. J. Navale		International Journal of Research in Engineering and Technology	eISSN 2319-1163	IJRET

### Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
1.	Performance prediction of a single cylinder hydrogen fuelled spark ignition engine using simulation	S.J. Navale R.R. Kulkarni S.S. Thipse	2018	International conference on Advances in Thermal Systems, Materials and Design Engineering (ATSMDE2017)	ISSN 2352-5398	VJTI, Mumbai

### PhD / ME / BE Student Guided for Project

<b>Level</b>	<b>Ph.D.</b>	<b>M.E. (PG)</b>	<b>B.E. (UG)</b>
<b>No. of Student guided</b>	-	01	60

### Professional Memberships

<b>Professional Body</b>	<b>Level ( National/ International)</b>	<b>Type (Fellow/Life/Annual)</b>	<b>Membership No.</b>
Tribology Society of India			

### Patents / IPR Filed / Granted

<b>S. No</b>	<b>Investigator Details</b>	<b>Title</b>	<b>Year</b>	<b>Status (Filed/Granted)</b>	<b>Details</b>

### Books Published

<b>S. No</b>	<b>Title</b>	<b>Name of the Publisher</b>	<b>ISBN/ISSN Number</b>

### Research Grants Received

<b>S. No</b>	<b>Program</b>	<b>Duration</b>	<b>Funding Agency</b>	<b>Grant Amount</b>
1.	Research Project on, "Experimental Investigations on SI Engine fueled with hydrogen gas as an	2014-16	BCUD, SPPU, Pune	INR1.15 Lacs

	alternate fuel”.			
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### Details of Workshop / STTP / FDP / Seminar / Conferences Organized

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency

### Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date

### Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	Combustion Modelling And Diagnostics	SER B School	October 7-11, 2013	Jointly by IIT Indore and IIT Madras at IIT Indore	DST, MHRD
2	Applications Of Matlab And Simulink For Engineers	Course	October 18-2 November	Mechanical Department, COEP	
3	Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment	FDP	10-15 June 2019	AISSMS College of Engg, Pune	ISTE

### Major Professional Responsibilities Handled

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S. No.	Role and Responsibilities
1	Incharge of Student's Association at Institute level.

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### Awards Received

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S. No.	Awards

**Declaration:** I hereby declare that all the statement made above are correct to the best of my knowledge and belief.



**Dr. S.J.Navale**

(Name with Signature)