

# RESUME

## Personal Details

<b>Name</b>	Vijay Sahebrao Patil
<b>Date of Birth</b>	14 <sup>th</sup> October 1978
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<b>Telephone No</b>	09850670938

## Educational Qualifications

Degree / Certificate	Board/University	Institution	Year	Aggregate Score (CPI/% age)
Ph. D.	Indian Institute of Technology, Bombay	Indian Institute of Technology, Bombay	July 2019	8.64/10
M. Tech (Energy Systems Engineering)	Indian Institute of Technology, Bombay	Indian Institute of Technology, Bombay	July 2006	8.93/10
B. E. (Mechanical Engineering)	Pune University	S. R. E. S., College of Engineering, Kopergaon	June 2000	61.70
H.S.C.	Pune Board	G. P.S., Gautamnagar, Kolpewadi	March 1996	79.00
S.S.C.	Pune Board	G. P.S., Gautamnagar, Kolpewadi	March 1994	79.57

## Experience

***K. K. Wagh I. E. E. & R.,  
Amrutdham, Panchavati,  
Nashik***

Working as Associate professor in Department of Mechanical Engineering since July 2013 (07 Years)

Worked as Assistant professor in Department of Mechanical Engineering since July 2008 to June 2013 (05 Years)

Worked as lecturer in Department of Mechanical Engineering from August 2001 to June 2008 (07 Years)

## PhD Work

- Experimental investigation of heat transfer characteristics of circular jets impinging onto a concave surface with and without coolant ejection

## MTech Work

- Straight Vegetable oils (SVO) in C. I. Engines

## Conferences and Publications

- V. S. Patil, M. N. Shelar, A. Ganesh, “*Experimental Investigation on Optimization of Injection Temperature of Karanj Oil (Pongamia Pinnata) as a Substitute for Diesel in C. I. Engines*”, ICAER 2019, December 2019 at IIT Bombay
- V. S. Patil, R. P. Vedula, “*Local heat transfer for jet impingement onto a concave surface including injection nozzle length to diameter and curvature ratio effects*”, Experimental Thermal and Fluid science, 92(2018), 375-389
- V. S. Patil, R. P. Vedula, “*Heat transfer with single and two rows of axisymmetric jets impinging on concave surface*”, International Heat and Mass transfer conference, ISRO, Trivandrum, 17<sup>th</sup> to 20<sup>th</sup> December 2015
- V. S. Patil, M. N. Shelar, A. Ganesh, “*Effect of additives on C.I. engine performance and emissions: An experimental investigation*”, International Journal of Earth sciences and Engineering, 2012, 90-93
- M. N. Shelar, V. S. Patil, “*Investigations into the C.I. Engine performance and emissions with kerosene adulteration*”, International Journal of Earth sciences and Engineering, 2012, 86-89

### Workshops and Trainings attended

- Faculty development programme on Leadership skills and Teaching using dramatics by Nalanda Business Associates on 9<sup>th</sup> and 10<sup>th</sup> February 2018
- CEP workshop on “**Heat transfer**” Organised at IIT Bombay from 12<sup>th</sup> September to 16<sup>th</sup> September 2011
- Workshop on “**Thermodynamics in Mechanical Engineering**” Organised at K. K. Wagh Engineering Institute, Nashik in collaboration with IIT Bombay from 15<sup>th</sup> to 24<sup>th</sup> June 2011
- STTP on “**High impact teaching skills (Mission 10X)**” Organised by Wipro at NDMVPs College of Engineering, Nashik during 18<sup>th</sup> – 22<sup>nd</sup> May 2009
- STTP on “**Enhancing skills of Engineering faculty**” Organised by Nirma institute of technology, Ahmedabad during 28<sup>th</sup> June to 10<sup>th</sup> July, 2004
- STTP on “**Alternative fuels and emissions**” Organised by IIT, Kanpur during 18<sup>th</sup> to 30<sup>th</sup> December 2003
- AICTE-ISTE sponsored Orientation course on “**Scope of IOT and its applications in Automotive and Agricultural Industry**” organised by Government College of Engineering & Research, Avasari Khurd during 22<sup>nd</sup> to 28<sup>th</sup> February 2021

### Workshops and Trainings organised

- Organised workshop on “**Heat Transfer**” at K. K. Wagh Engineering Institute, Nashik in collaboration with IIT Bombay from 29<sup>th</sup> November to 10<sup>th</sup> December 2011
- Organised workshop on “**Recent developments in power sector: Technology and policy**” for staff and students at K. K. Wagh Engineering Institute, Nashik on 14<sup>th</sup> and 15<sup>th</sup> February 2018
- Organised workshop on “**Advanced Mobility**” for Students at K. K. Wagh Engineering Institute, Nashik on 23<sup>rd</sup> February 2018 and 17<sup>th</sup> March 2018
- Organised Audit course on “**Finance for Engineers**” for students at K. K. Wagh engineering institute under IQAC initiative
- Organised workshop on “**Advances in Heat Transfer**” for Students at K. K. Wagh Engineering Institute, Nashik in September 2018/ September 2019/ September 2020

### Awards

- Dr. V. M. K. Shastri best paper award at international ISHMT-ASTFE Heat and Mass transfer conference held at ISRO, Trivandrum between 17<sup>th</sup> and 20<sup>th</sup> December 2015

## Academics

- Courses taught: Internal combustion engines, Heat transfer, Thermodynamics
- In-house project guidance to final year students in the field of I. C. Engines, Heat transfer
- Lab In-charge of Engine laboratory
- Faculty advisor and coordinator of Society of Automotive engineers (SAE) collegiate club 2007, 2017
- Working as IQAC member since November 2016 and department Academic coordinator

## Memberships of Scientific and professional Societies

- Life Member of Indian Society for Heat and Mass Transfer (**ISHMT**)
- Life Member of Indian Society of Technical Education (**ISTE**)
- Member of Indian Society of Mechanical Engineers(**ISME**)
- Member of Institution of Engineering and Technology (**IET**)
- Member of Society of Automotive Engineers (**SAE**)

I hereby declare that all the information given above is true to the best of my knowledge and belief.

Date:  
Place: Nashik

Vijay Sahebrao Patil