

# CURRICULUM VITAE

## Personal Details

<b>Name</b>	Snehal Vasant Kadbhane
<b>Date of Birth</b>	22 <sup>nd</sup> February 1985
<b>Permanent Address</b>	Plot No. 12/3A/3, Devyani Vihar, Behind Shikshak Colony, Jail Road, Nashik Road, Nashik. 422101
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## Educational Qualifications

Degree / Certificate	Board/University	Institution	Year	Aggregate Score (CPI/% age)
Ph.D.	Savitribai Phule Pune University, Pune	A.V.C.O.E., Sangamner	Pursuing	
M.E. (Mechanical Engineering) Heat Power	Savitribai Phule Pune University, Pune	Matoshri College of Engg. Nashik	2016	8.71 CGPA
B. E. (Mechanical Engineering)	Savitribai Phule Pune University, Pune	SVIT, Chincholi, Nashik	2006	70.02 %
HSC	Maharashtra State Board	KTHM College, Nashik	2002	68.33 %
SSC	Maharashtra State Board	RJCB, Girls Highschool, Nashik	2000	78.35%

## Experience

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

Worked as lecturer in Department of Mechanical Engineering from January 2007 to June 2007 (06 Months).

Working as Assistant professor in Department of Mechanical Engineering since July 2007 till date (13 Years)

### Expert Talk & Hands-On Training Delivered

- Delivered Expert Talk & Hands-On Training on “3-D Printer”, during 1 week “Skilling Program for MCA students” under, [AICTE IDEA LAB], KKWIEER Nashik, 04-11 Nov 2022
- Delivered Expert Talk & Hands-On Training on “3-D Printer”, during 1 week “Skilling program on Advanced Manufacturing Systems (AMS)” under, [AICTE IDEA LAB]. KKWIEER Nashik. 19-24 Dec 2022.
- Delivered Expert Talk & Hands-On Training on “3-D Printer”, during 1 week “Skilling program on Electronic System Design (ESD) a Multi-Disciplinary Approach”, 9-14 Jan 2023, under, [AICTE IDEA LAB]. KKWIEER Nashik.
- Delivered Expert Talk & Hands-On Training on “3-D Printer”, during 1 week “Professional Skilling program on Modern Manufacturing Process (MMP)”, 9-21 Jan 2023, under, [AICTE IDEA LAB]. KKWIEER Nashik.
- Delivered Expert Talk & Hands-On Training on “3-D Printer”, during 2 day Workshop on “AICTE IDEA LAB Awareness for Industry”, 10-11 Feb 2023, under, [AICTE IDEA LAB]. KKWIEER Nashik.

### Workshops /Trainings/ Expert Talk organised

- 1 week Skilling Program for MCA students under, [AICTE IDEA LAB], KKWIEER Nashik, 04-11 Nov 2022
- 1 week “Skilling program on Advanced Manufacturing Systems (AMS)” under, [AICTE IDEA LAB]. KKWIEER Nashik. 19-24 Dec 2022.
- 2 week workshop on Software ANSYS at KKWIEER, Nashik, for T.E. Mechanical Students in collaboration with IGTR, Aurangabad. It’s a government certified course for technical courses. (Arranged it for 2 years)
- 2 week workshop on Software Pro-E at KKWIEER, Nashik, for T.E. Mechanical Students in collaboration with IGTR, Aurangabad. It’s a government certified course for technical courses. (Arranged it for 2 years)
- 2 week workshop on “ Industrial Automation” at KKWIEER, Nashik, for T.E. & B.E.

Mechanical Students in collaboration with TAACT, Satpur, Nashik

- Expert Talk for Girls students of all classes on “Health awareness program”
- Arranged health checkup program for Girls students of all classes
- Expert Talk on “ Industrial Automation” at KKWIEER, Nashik, for T.E. & B.E. Mechanical Students
- Organised 2 Day workshop on "Recent Advances in Heat Transfer" for T.E. Mechanical Student, 1415 Feb 2018
- Organised 1 Day workshop on “FEA Syllabus implementation” at K.K.W.I.E.E.R. Nashik 2019
- Organised 1 Day workshop on “EE Syllabus implementation” at K.K.W.I.E.E.R. Nashik 2019
- Organised expert talk on “ Instrumentation & Economics of Power Plant” at KKWIEER, Nashik. On dated 05/04/2019. Resource person: Mr. Suresh Baburao Bhandekar
- Organised expert talk on “ Power Plant Instrumentation” at KKWIEER, Nashik. On dated 10/01/2020 Resource person: Mr. Suresh Baburao Bhandekar

## Conferences and Publications

### Conferences

- Presented a paper entitled “Analysis on heat transfer and friction factor characteristics of turbulent flow through heat exchanger fitted with peripheral square-cut twisted tape arrangement”, International conference on Advances in Material Science, Mechanical and Civil Engineering 2022 ICAMMCE-2022
- Presented a paper entitled “Analysis on effect of external magnetic field and twisted tape insert on convective heat transfer enhancement of fe<sub>3</sub>o<sub>4</sub>/water nanofluid flowing through pipe consisting twisted tape”, at 4th International Conference on Emerging Technologies Micro to Nano (ETMN-2019), Pune, 16-17 Dec. 2019.
- Presented a paper entitled “ Experimental study of Natural convective Heat Transfer from Vertical Rectangular Fin Array at Different of Inclination”, on 20<sup>th</sup> June 2016, at MAEER’S MIT College of Engineering, Pune
- Presented a paper entitled “ Quality Function Deployment In Technical Education ” in International Conference on Advances in Manufacturing technology (ICAMT), Organized by Chennai Institute of Technology from 15<sup>th</sup> to 17<sup>th</sup> June 2012, Kundrathur, Chennai.
- Presented a paper entitled “ Emerging Trends In Green Manufacturing ” in International

Conference on Advances in Manufacturing technology (ICAMT), Organized by Chennai Institute of Technology from 15<sup>th</sup> to 17<sup>th</sup> June 2012, Kundrathur, Chennai.

### **Publications**

- Published a paper entitled “Numerical Analysis on Convective Heat Transfer Enhancement by Using Ferrofluid”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), June 2021, ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429
- Published a paper entitled “A comprehensive review on ferrofluid convective heat transfer under the influence of external magnetic source”, International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), Impact Factor: 5.22 (SJIF-2017), e-ISSN: 2455-2585, Volume 5, Issue 04, April-2019.
- Published a paper entitled “Experimental Study of Natural Convective Heat Transfer from Vertical Rectangular Fin Array at Different Angle of Inclination”, International Journal of Current Engineering and Technology E-ISSN 2277 – 4106, P-ISSN 2347 – 5161 ©2016 INPRESSCO®, [UGC Approved], 20 June 2016.
- Published a paper entitled “ Review of convective Heat Transfer from Plate Fins under Natural and Mixed Convection at different Inclination Angle”, IRJET, Vol.3, Issue 2, Feb 2016, p.p. 467-473.
- Published a paper entitled “ Determining applicability of SCM practices in Process Industries ” in IOSR Journal of Engineering, 2012.

### **Workshops and Trainings attended**

- One week National ATAL FDP on “Electronic System Design”, K.K.W.I.E.E.&R., Nashik, 9-14 Jan 2023, [[AICTE IDEA LAB](#)].
- One week National ATAL FDP+Training [[AICTE IDEA LAB](#)] on “Smart Manufacturing”, Visvesvaraya Technological University Centre for Post Graduate Studies Muddenahalli, 14-20 Nov 2022
- One week National ATAL FDP on “Smart Manufacturing”, K.K.W.I.E.E.&R., Nashik, [[AICTE IDEA LAB](#)]
- Five day international workshop on “ Thermal Engineering : Theory and Applications”, at A.V.C.O.E., Sangamner, on dated 17-21 Feb. 2020, sponsored by S.P.P.U., Pune

- Three day national FDP on “Renewable Energy - A Future Prospectus”, MVPS's KBT COE, Nashik., 03-05 Sept. 2020.
- One week International ATAL FDP on “Energy Engineering”, VISHWAKARMA INSTITUTE OF TECHNOLOGY, ALL INDIA COUNCIL FOR TECHNICAL EDUCATION Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070 AICTE Training And Learning (ATAL) Academy, 5-9 Oct 2020
- FEA Syllabus implementation workshop at MES, COE, Pune on dated 10/07/2018, Tuesday
- CAD/CAM Syllabus implementation workshop at KKWIEER, Nashik on dated 16/07/2018, Tuesday
- One day syllabus revision and detailing workshop for the subject, “Energy Engineering”, of B.E. Mechanical 2015 Course organized by department of Mechanical Engineering, P. E. Society’s Modern College of Engineering, Shivajinagar, Pune, on Tuesday 27th Feb 2018
- Three day national FDP on “Research Methodology”, Maratha Vidya Prasarak Samaj’s Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik, 15-17 Oct 2020
- Two day workshop on “ Guidance on Research Publications”, on 6<sup>th</sup> and 7<sup>th</sup> February 2015, at Matoshri College of Engineering and Research Center, Nashik
- One day workshop on “ Paper writing and proposal writing”, on 10<sup>th</sup> October 2015, at Matoshri College of Engineering and Research Center, Nashik
- Participated in MECHPGCON 2015 held during 19<sup>th</sup> to 20<sup>th</sup> July 2015 at Flora Institute of Technology, Pune.
- One day workshop on “ Introduction to TK Solver and MATLAB”, on 31<sup>st</sup> July 2010, Sponsered by Universal Technical Systems, at department of Mechanical Engineering, Sandip Institute of Technology and Research Centre, Nashik.
- One day workshop on “Implementation of syllabus of Computer oriented Numerical Methods” on 19<sup>th</sup> July 2010 at Sinhgad Institute of Technology and Science Narhe, Pune.
- Two day workshop on “ Recent Trends in automobile”, on 2<sup>nd</sup> and 3<sup>rd</sup> feb. 2007, at KKWIEER, Nashik
- Two week staff development program on “Developing Core Teaching Competencies in Engineering College Teachers”, organized by National Institute of Technical teacher’s training and Research, Bhopal, at KKWIEER Nashik, duration: 20<sup>th</sup> April 2009 to 24<sup>th</sup> April 2009

## Awards

Awarded as **1<sup>st</sup> Rank college topper** in M. E. Mechanical (Branch : Heat Power ) under Pune University during both **1<sup>st</sup> and 2<sup>nd</sup>** year of post-graduation (**CGPA : 8.71**)

## Administrative Responsibilities

- Working as “**AICTE IDEA LAB, Tech Guru**”, for **AICTE IDEA LAB KKWIEER, Nashik**
- Work allotted for **AICTE IDEA LAB KKWIEER data uploading on AICTED Portal**
- Work allotted for **AICTE C-II Survey data uploading on AICTED Portal**
- **Admission Promotion task at Dhule Region**
- **NSS Work**
- **Placement work**

## Academics Responsibilities

- **Design Software Laboratory In-charge**
- Departmental **Autonomy Co-ordinator**
- Departmental **Alumni Co-ordinator**
- **NBA committee head**
- **NAAC committee head (Departmental and Institute Level)**
- **Developed Coursera course on subject Finite Element Analysis**
- **Completed Udemy course on Finite Element Analysis**
- **Senior supervisor for university theory examination.**
- **Head for Technical symposium ‘MECHEAVEN’ organized by MESA and SAE student chapter**
- **Mentor Coordinator**
- **Seminar Coordinator**
- **RAC Laboratory In-charge**
- **Head of various committee for student Cultural activities MAFFICK**
- **Served on academic and administrative committees**
- **Guided the students in Projects and Seminars**
- **Class Coordinator for various classes**
- **Judge for various events and Committee Head for Technical symposium MECHEAVEN’ organized by MESA and SAE student chapter**
- **Courses taught: Finite Element Analysis, Energy Engineering, Refrigeration and air-Conditioning, Heat transfer, Thermodynamics, Manufacturing Process**

- In-house project guidance to final year students in the field of Heat transfer.

### **Memberships of Scientific and professional Societies**

- Life Member of Indian Society of Technical Education (**ISTE**)
- Member of Indian Society of Heating, Refrigeration and Air Conditioning Engineering (**ISHRAE**)