

# Curriculum Vitae

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**Date of Birth:** 09<sup>th</sup> February 1991



## Academic Credentials

Class / Degree	Specialization	Institute / University	Year	% / CGPA	Remarks
Master of Technology	Thermal Engineering	VJTI, Mumbai	2015	8.84	Distinction
Bachelor of Engineering	Mechanical	Anuradha Engineering College, Chikhali	2012	76.92	Distinction
Diploma	Mechanical	Govt. Polytechnic, Khamgaon	2009	80.63	Distinction
S.S.C.	---	Adarsh Vidyalay, Chikhali	2006	82.40	Distinction

**M.Tech Dissertation:** Performance Analysis of Condenser and Hot Air Generator.

**B.E. Project:** Energy Audit of Spinning mill.

### Research Area:

- Heat Transfer
- Computational Fluid Dynamics (CFD)
- Machine Learning

## Work Experience

Sr. No.	Name of Organization	Post	From To	No. of Years
1	Maharashtra Institute of Technology, Aurangabad (An Autonomous Institute)	Assistant Professor	3 <sup>rd</sup> August 2015 to Till Date	8.9
2	Omega Solutions, Pune	GET	15 <sup>th</sup> July 2012 to 14 <sup>th</sup> July 2013	1

### **List of Courses Taught/ Teaching at Undergraduate (UG) level**

**Taught/ Teaching the following course at UG level at Maharashtra Institute of Technology, Aurangabad (An Autonomous Institute)**

- Heat Transfer
- Applied Thermodynamics
- Basics of Mechanical Engineering
- Engineering Graphics
- Alternative Energy Sources
- Energy Audit
- Heating Ventilation and Air Conditioning
- Refrigeration and Air Conditioning
- Hydraulic Machines

### **List of Courses Taught/ Teaching at Postgraduate (PG) level**

**Taught/ Teaching the following course at PG level at Maharashtra Institute of Technology, Aurangabad (An Autonomous Institute)**

- Advanced IC Engines
- Kinematics: Dynamics and Synthesis
- Advanced Heat Transfer
- M.Tech Lab's

### **Additional Assignments / Duties**

**Maharashtra Institute of Technology, Aurangabad (An Autonomous Institute)**

- Working in Engineering Exploration.
- Working as a Assistant Workshop Superintendent
- Worked as paper setter for University Examinations
- Worked as Internal/External Examiner for University Examinations
- Worked as Class Test Coordinator
- Worked/ Working as Departmental NAAC / NBA Criterion Incharge
- Worked/ Working as a Class Teacher
- Worked as DSY/B.Voc. admission committee member.
- Worked as Departmental Term work coordinator
- Worked/Working as First Year admission committee member
- Worked as Departmental TPO/IPT Co-ordinator
- Working as a Lab In-charge

- Worked as a Departmental Library Co-ordinator
- Worked as Departmental alumni coordinator

#### **Research Projects / Projects Guided**

The projects guided at UG level in the allied areas of Mechanical Engineering:

- Total Number of Projects Guided at UG Level: 08 completed
- One Research project was selected for IMTEX Exhibition

#### **Computer / Software Proficiency**

- MS Office (MS Word, MS Excel, MS Power Point)
- Python Language
- Machine Learning Softwares: Spyder, Jupyter etc.
- Power-Bi
- Ansys Gambit/ Fluent (CFD)

#### **Seminar/ Workshop/ Industrial Training/ STTP/ FDP/ CEP Attended**

- Attended one day seminar on Improving cost and quality through manufacturing excellence organized by Indian Institute of Materials Management (IIMM), Aurangabad
- Attended OBE workshop at MIT-T, Aurangabad
- Attended FDP workshop at MIT-T, Aurangabad
- Attended five days symposium on 'Advances in materials and manufacturing engineering organized by MIT(T), Aurangabad
- Attended one day FDP on 'waste to Bioenergy' organized by MIT(T), Aurangabad
- Attended one week online FDP on 'Applications of FEA and CFD using ANSYS' organized by GCE, Karad.
- Attended international web conference on 'Impact of Covid 19 on Library resource sharing' organized by MIT group of institutions.
- Attended webinar on 'Energy and Environment: Opportunities and challenges' organized by MIT, Aurangabad
- Attended webinar on 'Opportunities for mechanical engineer in AI world' organized by MIT(T), Aurangabad
- Attended five days AICTE Training and Learning (ATAL) online FDP on 'Data Science' organized by BATU, Lonere.

#### **Seminar/ Workshop/ Industrial Training/ STTP/ FDP/ CEP/ Conference Organized**

- Worked as member for International Conference on Recent Trends in Mechanical Engineering 2021 (Online Mode) during 22<sup>nd</sup> and 23<sup>rd</sup> Jan 2021 at Maharashtra Institute of Technology, Aurangabad.
- Organized 30 hrs. Training Program on “Mechatronics and Industrial Automation”.

#### **International/ National Conferences Attended**

- 3<sup>rd</sup> Annual International Conference on Emerging Trends in Mechanical Engineering and Agricultural Engineering (Techtantra-2017) organized by Tulsiramji Gaikwad-Patil College of Engineering & Technology (TGPCET), Nagpur (MS), India from 17<sup>th</sup> Feb and 18<sup>th</sup> Feb 2017.

#### **Research Publications**

- An Experimental and Statistical Investigation of Roughness Value from Tribological Parameters in 60 HRC 100Cr6 Steel.
- Ways to Achieve Eco-Friendly Manufacturing in Manufacturing Operations.
- Siraj Sayyed\*, Pravin Lad, Pratik Khandelwal, Prasad Palkar (2024). Effects of Tribological Parameters in Surface Roughness Optimization of Cryo-treated AISI 52100 Steel using Surface Response Method. Tribology International, Elsevier. (Communicated)

**Indexing:** SCI and WOS

**Impact Factor:** 6.2

**Cite score:** 10.4

#### **DECLARATION**

I hereby declare that the above written information is true to the best of my knowledge

**Date:**

**Place:** Chhatrapati Sambhajnagar

**(Mr. Pratik S. Khandelwal)**