

# Curriculum Vitae

**Mr. Acharya Jitendra Yashwant**
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## Career Objective:

- *Guide learners to become globally competent technocrats and responsible citizens*
- *Participate and build team(s) of hard working, self-disciplined, and higher work ethic individuals*
- *Contribute and participate to make institute/organization a center of excellence in its domain*
- *Seeking a position to utilize my skills and abilities in the Institute that offers professional growth while being resourceful, innovative and flexible.*

## Current Position:

- Assistant Professor, Mechanical Engineering of Yashwantrao Bhonsale Institute of Technology, Sawantwadi.

## Qualifications:

- **PhD*** – Mechanical Engineering, Vel Tech University, Chennai, *Pursuing.
- **M.Tech.** - Production Engineering, JNTU Hyderabad, TS, Holy Mary Institute of Technology, Bogaram with **Distinction (82.12%)**, 2014.
- Completed Autonomous Post-Graduate Diploma in **"Piping Design Engineering & Construction",** Asian Academy of Piping, Pune, 2009.
- **B.E.** - Mechanical Engineering, Mumbai University, Finolex Academy of Management and Technology, Ratnagiri with **Distinction (75.81%)**, 2009.
- **H.S.C. –** Maharashtra State Board, Pune Division, with **First Class (68.00%),** 2005.
- **S.S.C. –** Maharashtra State Board, Kolhapur Division, with **Distinction (81.73%)**, 2003.

## Professional Experience:

*12 Years in Academics and 01 Year in Industry:*

July 2025 Onwards - "**Assistant Professor"** at **"Yashwantrao Bhonsale Institute of Technology".**

- February 2021 – June 2025, "**Assistant Professor"** and **"Head of Department"** at "VPM's **Maharshi Parshuram College of Engineering"**.
- January 2015 - January 2018, "**Assistant Professor"** at **"Gharda Institute of Technology".**
- January 2011 - December 2014, "**Assistant Professor"** at "MES's **Rajaram Shinde College of Engineering".**
- November 2009 – December2010, "**Design Engineer**" at "**Akshay Urja Pvt. Ltd**. Pune".

## Recognition :

- Member, Syllabus Formation Committee – Thermodynamics, University of Mumbai, Contributed to syllabus development as per NEP 2020 guidelines.

- Member, Paper setting committee for Thermodynamics, University of Mumbai, as per NEP 2020 Curriculum.

## Areas of Interest:

FML's, Composite Materials, Thermal Engineering, Thermodynamics, Fluid Mechanics, Renewable Energy Sources, Refrigeration and Air Conditioning.

## Courses Taught:

Thermodynamics, Fluid Mechanics (Mech/Civil), Thermal Engineering, Turbo Machinery, Renewable Energy Sources, Project Management, Research Methodology, Financial Management etc.

## Administrative Experience / Responsibilities Held:

- **Successfully led the department during NAAC Accreditation (2024)** in the capacity of Head of Department; oversaw departmental preparedness, contributed to Self-Study Report (SSR) preparation, and coordinated the NAAC peer team visit, resulting in successful UG program accreditation with an upgraded grade of **B+ (CGPA 2.68)**.
- Convener, Student and College Redressal Committee
- Convener, Anti – Ragging Committee
- Member, Library Advisory Committee
- Convenor and Member, IIC (Institute Innovation Council) Committee
- Academic Coordinator, Teaching and Training.
- Preparing study material for undergraduate students.
- Examination Duties – Senior Supervisor, In- charge of Result preparation committee, Department Coordinator

## Publications (International):

1. **Acharya Jitendra Yashwant,** Logesh Kamaraj, Hariharasakthisudhan Ponnarengan, *"Fatigue Damage of AA2024 Fiber–Metal Laminates With Architected TPU Interlayers and Graphene-Modified Interfaces", Fatigue & Fracture of Engineering Materials & Structures, WILEY Publications, 2026; 0:1–25, DOI:* https://doi.org/10.1111/ffe.70407
2. **Jitendra Acharya**, Hrishikesh Bhave, Omkar Jarali, Jitesh Bhagat, Vinayak Wale, *"Optimization of Micro Drilling of CFRP-Titanium Alloy Hybrid Material by using Response Surface Methodology",* IJTE/ISTE, Volume 47(Special Issue No.2), June 2024, ISSN No. 0971-3034, Pg No. 355-360.
3. Rahul Kundiya, Mukundrao Kadam, Pradeep Jadhav, **Jitendra Acharya**, *"Applications of Smart Materials in Mechanical Engineering: A Review",* IJTE/ISTE, Volume 47(Special Issue No.2), June 2024, ISSN No. 0971-3034, Pg No. 254-263.
4. Swanand Joshi, Hrishikesh Bhave, **Jitendra Acharya**, *"Advancement and Future Prospect of Solar Energy in India: A Comprehensive Review"*, IJTE/ISTE, Volume 47(Special Issue No.2), June 2024, ISSN No. 0971-3034, Pg No. 332-339.

## Publications (National):

1. **Jitendra Acharya**, Rahul Kundiya, *"A review on mechanical micro drilling of CFRP-Ti6Al4V stacked composite"*, IRJMETS, Volume 05, Issue 06, June 2023.
2. DOI: https://www.doi.org/10.56726/IRJMETS41334
3. **Jitendra Acharya**, Mohd. Hossain, *"FEA based comparative analysis of Tube Drawing Process"*, IJIERT, Volume1, Nov 2014.
4. **Jitendra Acharya**, Mohd. Hossain, *"Case study of Special purpose machine"*, IJIERT, Volume1, Nov 2014.

## PUBLICATIONS (Conference Proceedings / Book Chapter):

1. Rahul Kundiya, Raju Pawade, Shivam Yadav, Nayan Sarode, **Jitendra Acharya**, *"Analysis of Hole Characteristics in Mechanical Micro-drilling of CFRP-Ti6AI4V Stack Composite"*, LNME, Advances in Materials and Agile Manufacturing Springer Journal, September 2024, DoI: https://doi.org/10.1007/978-981-99-6601-1_5.
2. Rahul Kundiya, Dr. P. V. Jadhav, **Jitendra Acharya**, Hrishikesh Bhave, Pranav Sawant, Swanand Joshi, *"Mathematical Modeling for Radial Overcut on Mechanical Microdrilling of CFRP-Ti6AL4V stack composite by Response Surface Methodology",* IIP Series, Volume 3, Book 7, Part 7, Chapter1, February 2024. e-ISBIN – 978-93-5747-860-1.

## PATENT PUBLISHED:

- *"Development of Ballistic Armor Plate using CFRP-Ti6Al4V stacked Composite Material"*, [1.] Rahul Kundiya, [2.] **Jitendra Acharya**, [3.] Pranav Sawant, [4.] Swanand Joshi, [5.] Hrishikesh Bhave, Published on 09/08/2024, Patent No. – 202421054224.

## NPTEL COURSES ATTENDED:

- Laws of Thermodynamics
- Inspection and Quality Control in Manufacturing, Passed in **Elite** category.

## PARTICIPATION IN FDP'S/STTP/CONFERENCES/ VALUE ADDED COURSES:

1. 2 Week FDP, *"3D Printing and Design"*, SkillDzire, Swayam Plus, AICTE, March 2025.
2. International Conference, "Advances in Automobile, Manufacturing, Automation and Mechanical Engineering (ICAAMME'25), EASWARI Engineering College, Chennai, March 2025.
3. 5 Day FDP, "Advanced Technologies and Trends in Robotics", SR University, Warangal, February 2025.
4. 3 Day International Conference, *"Emerging Trends in Science, Engineering and Technology (ICETSET 2025)"*, Thiruvalluvar College of Engineering and Technology, Chennai, January 2025.
5. 1 Week ISTE approved STTP under NiPAM, *"IPR, Patents, Design, Copyright, Trademarks and Geographical Indication",* IP Cell India and Maharshi Parshuram College of Engineering, December 2024.
6. 1 Week ISTE Approved Workshop, *"Emerging Significance of Artificial Intelligence in Biomedical, Industry 5.0, Cyber Security & Data Forensics",* Maharshi Parshuram College of Engineering, August 2024.
7. 3 Days FDP, *"Emerging Trends in Design, Materials and Manufacturing",* Dream Institute of Technology, Kolkata, May 2024.
8. 1 Week STTP under ATAL Program, *"Digital Innovations in Technology and Supply Chain Management",* NITTR, Bhopal, November 2023.
9. 1 Week ISTE Approved Workshop, *"Introduction to ML, NLP and Chatbots",* Maharshi Parshuram College of Engineering, July 2023.
10. FDP, *"An Integrated Approach to Reviewing Your Paper: Leveraging the Power of Citation Tools and ChatGPT"*, Rajeev Gandhi College of Management Studies, April 2023.
11. 1 Week ISTE Approved STTP, *"Emerging Trends in Mechanical Engineering", Dr. V B Kolte College of Engineering, Malkapur, Aurangabad, March 2023.*
12. 2 Day National Level Conference *"Emerging Trends in Technology and Science (ETTS-2023)",* Maharshi Parshuram College of Engineering, March 2023.
13. 1 Week online FDP, *"Inculcating Universal Human Values in Technical Education", AICTE, February 2022.*
14. 1 Week FDP, *"Dimensional Management (Geometric Dimensioning and Tolerancing) as per ASME Y 14.5 Standards"*, MECHATOL PRODUCT ENGINEERING SOLUTIONS PVT. LTD. PUNE and Finolex Academy of Management and Technology, July 2021.

15. 2 Days ISTE Approved workshop, *"Non-Destructive Testing"*, Maharshi Parshuram College of Engineering, May 2017.
16. 2 Week ISTE Approved STTP, *"Engineering Physics"*, IIT Bombay and Gharda Institute of Technology, December 2015.
17. 2 Days ISTE Approved workshop, "Research Methodology", Rajendra Mane College of Engineering & Technology, June 2014.

## Participation in Value Added Courses:

- Online Training, *"Innovation Ambassador (IA) – Foundation Level, Advanced Level and Re-Skilling Level"*, MoE's Innovation Cell & AICTE, March 2025.
- 1 Week Value added Course, *"Advanced Excel with AI"*, Maharshi Parshuram College of Engineering, January 2025.
- Training Program under NiPAM, *"Intellectual Property Awareness"*, IP Office India, August 2024.
- Value added Course, "*Energy Literacy Training",* Energy Swaraj Foundation, May 2023.
- Online Faculty Orientation Program on Course, *Thermal Engineering (MEC502 – R2019), University of Mumbai, July 2021.*
- Faculty Orientation Program on course, *Mechanical Measurements & Control (MEC502 – R2016),* University of Mumbai, Thadomal Sahani College of Engineering, July 2017.

## Projects Guided:

- Guided more than 40 UG Students for Mini and Major Projects.

## Invited Lectures / Resource Person:

1. Resource Person, *Benefits of Psychrometric Charts*, Sahyadri Polytechnic, Sawarde, March 2025.
2. Resource Person, *Micro Hydro Electric Power Plant, RSIET,* Pedhambe, February 2025.
3. Resource Person, *Refrigeration Systems, RSIET,* Pedhambe, February 2024.
4. Resource Person, *Refrigeration Systems,* Sahyadri Polytechnic, Sawarde, February 2024.
5. Resource Person, *Emerging Trends in Mechanical Engineering,* SGDT Polytechnic, Raigad, December 2022.
6. Resource Person, *Emerging Trends in Mechanical Engineering,* SSOSP Diploma College, Nagothane, December 2022.
7. Resource Person, *Career Opportunities in Mechanical Engineering,* YBP Sawantwadi, December 2022.

## Organization of Workshops / Training Programs:

- 1 Week Student development program on "Piping Engineering – Design and Material Study" for TE and BE students, by Mr. Ravi Jorigal, Asian Academy of Piping, Pune and Maharshi Parshuram College of Engineering.
- Expert Session on "How to write research proposal" for TE and BE students, By Dr. Amit Mane, Maharshi Parshuram College of Engineering.
- 1 Week Student Development Program on "Effective use of LATEX" for TE and BE students, by Ms. Vaibhavi Metha, Maharshi Parshuram College of Engineering.

## Values Offered:

- Positive Attitude
- Quick Learner
- Hard Working

## Other Areas of Interests:

Touring, Music, Financial Management, Wealth Management, MS Excel, CHESS, Cricket Quantitative Aptitude.

## Personal Details –

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| **DATE OF BIRTH** | : 22nd August 1987 |
| **GENDER** | : MALE |
| **HEIGHT** | : 176cm |
| **MARITAL STATUS** | : Married |
| **LANGUAGES KNOWN** | : English, Marathi and Hindi. |

I hereby declare that all the statements made herein are true and complete to the best of my knowledge and belief.

Date -
PLACE : - Chiplun.



Mr. Acharya Jitendra Yashwant.