

CV of Pirsab R. Attar, Ph D

Curriculum Vitae

Dr. Pirsab R. Attar
Assistant Professor,
Department of Production Engineering,
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Education:

Degree	School /College /University	Month and Year	CGPA/Marks
Ph.D. mechanical Engineering	Indian Institute of Technology (IIT) Delhi	June 2021	9.308 CGPA
M. Tech. Mechanical CAD/CAM	SGGS IE & T Nanded	July 2010	8.75/10 CGPA
B.E. Production Engineering	SGGS IE & T Nanded	July 2007	77.125%
M. Tech. Thesis:	IT enabled approach for PLM implementation and customization. (Supervisor- Prof. S. B. Sharma)		
Ph. D. Thesis :	Grinding of Nimonic 90 under sustainable cooling techniques and modeling of grinding force. (Supervisor: Prof. P. V. Rao & Prof. S. Ghosh)		

Principal Fields of Interest:

- Grinding of harder materials,
- Sustainable Manufacturing,
- Sustainable cooling Techniques
- Manufacturing Process engineering
- Advanced Manufacturing Process
- Computer Aided Design and Manufacturing,
- Industrial and Project Management
- Additive Manufacturing,
- Industry 4.0
- Internet of Things
- Product Lifecycle Management
- MCDM theory and techniques

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Experience: Total 13 Years (till date)

Position	Employer	Beginning	Ending
Assistant Professor Production Engineering	Veer mata Jijabai Technological Institute (VJTI) Matunga Mumbai, India	27.12.2010	Continuing
PhD Research Scholar	Indian Institute of Technology (IIT) Delhi	19.07.2016	03.06.2022
Lecturer Mechanical Engineering	Mahatma Gandhi Mission's (MGM's) College of Engineering, Nanded, Maharashtra, India	30.07.2010	24.12.2010
Lecturer Mechanical Engineering (Visiting)	Government Polytechnic Nanded	July 2009	July 2010
Engineer	Alfa Laval India Ltd. Pune	24.08.2007	23.08.2008

Current Professional Organization Membership

- Indian Institute of Industrial Engineering (IIIE), Life membership (LAM-9625).
- The American Society of Mechanical Engineers (ASME) membership (No: 102114023)
- Indian Society for Technical Education (ISTE), Life Member (LM 117888)
- The institution of Engineers (India), Member (M-166117-5)
- Indian Institute of Delhi Alumni Association Member
- Industrial Engineering & Operations Management Society International (IEOM),
Member (No: 1442003)

Honors and Awards:

- Reviewer of SPICON 2022 conference held on 22nd - 23rd December 2022 at SPCE Mumbai.
- **Recipient** of Merit Certificate for First Rank in Production Engineering at Swami Ramanand Teerth Marathwada University (SRTMU) Nanded during AY 2006-2007.
- Mumbai District Liaison Officer (DLO) for Maharashtra Health and Technical Common Entrance Test (MHT-CET) 2021.
- Investigation Incharge of Oxygen Verification at Hindu Sabha Hospital, Ghatkopar (W), Mumbai during COVID-19.
- AICTE Observer for GPAT-2014 on 25th Feb. 2014.
- Scrutiny officer at Regional DTE office, Bandra during 01.10.2013 to 09.10.2013.
- Scrutiny officer at AICTE WRO, Mumbai during 11.09.2013 to 12.09.2013.
- AICTE Observer for CMAT -2013 on Feb. 21st, 22nd & 25th 2013.
- AICTE observer for JEE Main (Session-1)-2023 on Jan. 24th, 2023.

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Service: Holding Additional Portfolio at VJTI Mumbai from Dec. 2010 till date

AISHE Committee member,

ARIIA Committee member,

Faculty Coordinator, IEOM International Student chapter at VJTI Mumbai

Consulting Record:

<i>Industry/Firms</i>	<i>Beginning</i>	<i>Ending</i>
Trailer design Checking for Transport commissioner Mumbai	Dec 2011	Aug 2014

Teaching Experience:

Courses Taught from 2010 to 2022 academic years for even and odd semester of Undergraduate and Graduate Student class of 60 students.

- Metrology and Quality Management,
- Computer Integrated Manufacturing,
- Advanced Metal Cutting and Process Engineering,
- Product Lifecycle Management,
- CAD/CAM/CIM,
- Manufacturing Engineering,
- Metal Forming Technology and Analysis,
- Manufacturing Technology-I,
- International Business,
- Machine Tool Design,
- Total Quality Management,
- Machine Design,
- Process Engineering and Tooling,
- Engineering Drawing,
- Computer Aided Design and Computer Aided Manufacturing,
- Computer Aided Design laboratory,
- Engineering Machine Drawing,
- Machine Workshop

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Universities Visited:

- **USA:** University of Michigan-Dearborn Campus on 25th October 2019 for research collaboration

Research and Publications: Total Publications: 13

Papers Published in International Journals	01
Papers Published in International Conferences	10
Papers Published in National Conferences	02
Short Term Course conducted (FDP/STTP)	02
Short Term Courses Attended (1-2 week)	16

Publication List of Dr Pirsab R. Attar till Dec 2022

Peer reviewed Journal and Conference publications

1. Rajeshkumar Madarkar, Sahaj Agarwal, **Pirsab Attar**, S. Ghosh & P. V. Rao (2017): Application of ultrasonic vibration assisted MQL in grinding of Ti-6Al-4V, Materials and Manufacturing Processes, DOI:10.1080/10426914.2017.1415451.
2. Asfarkhan M Patel, D N Raut, **P R Attar**, "Implementation of Best Practices in Supply Chain Management for SMEs," Presented in Indian International Conference on Industrial Engineering and Operations Management, NIT Warangal, Telangana, India, August 16-18, 2022.
3. Sujay H Jagadale, **P R Attar**, "Distracted Driver Detection: A Comparative Study Using CNN," Presented in Indian International Conference on Industrial Engineering and Operations Management, NIT Warangal, Telangana, India, August 16-18, 2022.
4. Mitali Dhuri, **P. R. Attar**, "Human Resource cost optimization Model for multiple projects using Genetic Algorithm," proceeding of the second international conference on humanities and social sciences, management and education technology, India, November 03-05, 2022.
5. Gopal Choudhary, **P. R. Attar**, "Application of Analytic Hierarchy Process for Supply Chain Design Project," Presented in International Conference on Industrial Engineering and Operations Management Bangalore, India, August 16-18, 2021.
6. **Pirsab Attar**, S. Ghosh and P. Venkateswara Rao, "Effect of nano-MQL using graphene nanoplatelets as cutting fluid on lubrication during grinding of Nimonic 90," Presented in STLE Tribology Frontiers Conference during October 20-23, 2019, at Chicago, USA.
7. **Pirsab Attar**, Rajeshkumar Madarkar, S. Ghosh and P. Venkateswara Rao, "Experimental Investigations on Grindability of Nickel Based Alloy Nimonic-90," Proceeding of 10th International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 10) December 07 - 09, 2017, Indian Institute of Technology Madras, Chennai- 600 036- India, pp- 841-844.
8. Unare, Atul J., and **P. R. Attar**, "Optimization of process parameter of electrochemical machining of aluminium alloy 7075 by using gray Taguchi method." *Int Res J Eng Technol* 3 (2016): 120-123.

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9. Raut, Rahul, and **P. R. Attar**, "Optimization of process capability in an automobile industry: A case study." *Int. Res. J. Eng. Tech* 3 (2016): 289.
10. Patil, J., and **P. Attar**, "Storage Racking System for efficient warehousing." *International Research Journal of Engineering and Technology (IRJET)* 3, no. 11 (2016): 490-492.
11. Vipul V. Mahindrakar, **P. R. Attar**, "Experimental Analysis in Powder Mixed Electrical Discharge Machining," International Conference on Advanced and Agile Manufacturing and Agile Software Development, 06-07 Oct.2016. SGGS Institute of Engineering and Technology, Nanded, India.
12. **Pirsab Attar**, S. B. Sharma, S. A. H. Qadri "Collaborative Product Lifecycle Management (cPLM) – A Strategic Business Approach", National Level conference on Global Technologies in Manufacturing and Thermal Sciences GTMTS 2010, 22-23 April 2010. SETHU Institute of Technology, Pullor- 626 115
13. **Pirsab Attar**, S. B. Sharma, S. A. H. Qadri "Teamcenter Engineering V9.1.2.0- A PLM solution for an Enterprise", International conference on Science, Engineering & Spirituality, 01-02 April 2010. SES College of Engineering, Navalnagar.

Invited Lectures / Chairing / Resource Person / Keynote Address:

1. Delivered talk on "Design of Experiment and use of Minitab" in One Week ISTE approved Faculty Development Programme on 'Engineering Research Methodology' from 27th Feb 2023 to 03rd March 2023 organized by Department of Mechanical Engineering, MH Saboo Siddik polytechnic, Mumbai.

B. Tech and M. Tech. Thesis Supervised: (till date)

<i>Degree</i>	<i>Student</i>	<i>Project Location</i>
	<i>Supervised</i>	
M. Tech Dissertations	21	In-house and reputed industries like TATA, Volkswagen, SIEMENS, L&T, Godrej, SKF, HPCL, Bharat Forge, 3D PLM, Philips Healthcare, etc.
B. Tech In-plant training and Project work of 6 months duration	85	Godrej, L&T, Volkswagen, SIEMENS, HPCL, Thermax Industries, etc.

Service: Committee Membership and Other Academic Activities:

- Organized as a course coordinator for one-week QIP Faculty Development program on "Advancement in Manufacturing Technology and Management" during Feb. 22-27th, 2016 at VJTI Mumbai.
- Conducted a one week Finishing School workshop for academically weaker students under TEQIP-II from 27th June to 01st July 2016 at VJTI Mumbai.

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- Organized as course co-coordinator for one-week ATAL Faculty Development Program online on “Nanotechnology Advances in Engineering Materials and Manufacturing” during July 8-13th, 2019 at VJTI Mumbai India.
- MTech Admission coordinator from 29th Oct. 2021 till date.
- Departmental Exam coordinator from Sept. 2020 till date.
- VJTI Internal Quality Assurance Cell (IQAC) member from 16th Jan. 2021 till date.
- ARIIA ranking VJTI Committee member from 25th Jan. 2022 till date
- AISHE activities committee member at VJTI Mumbai from 25th Jan. 2022 till date
- IEOM Student International Chapter Faculty Coordinator for VJTI Mumbai.
- Worked as Department Exam coordinator from July 2012 to Sept. 2013
- Worked as Department Timetable coordinator from Sept. 2020 to May 2021
- NBA Accreditation for B. Tech Production and M Tech production (2011)
- Worked as FY BTech and DSU BTech admission committee member for Degree (2014-2015)
- Worked as Deputy Superintendent UPSC Civil Services Examination August 2014.
- TEQIP -2 Department coordinator 2014-2016.
- Working as **DAC Committee member** for UG and PG in Production Engineering from Sept. 2020 till date.

Short Term Courses attended (FDP/STTP):

1. Attended 5-days FDP on “Quality Assurance through NAAC Accreditation Process” from February 21-25, 2023 conducted by NITTR Chennai at VJTI Mumbai.
2. Attended 2-week Industrial Training in “Additive Manufacturing and its applications” online from 11th May to 24th May 2022 at NIELIT Calicut, India.
3. Short Term Course under TEQIP-III on “Surface Texturing for Green Technologies” at IIT Delhi during 25th – 29th March 2019.
4. FDP on “Product Lifecycle Management” at SGGSI&T Nanded TEQIP-II sponsored during 25th - 30th May 2016
5. STTP on “Decision Making Models in operations and SCM” at IIT Delhi during Feb. 15-19, 2016.
6. MHRD-TEQIP-KITE workshop on “Teaching Applied Mathematics to Post Graduate Students in Engineering” at IIT Bombay during 13-15 May 2015.
7. Short Term Course on “Data Analysis for Research and Publication” at IIT Roorkee during December 20-21, 2014.
8. STTP on “Advanced Data Analysis in Management” at IIT Delhi during October 21-25, 2013.
9. FDP under TEQIP-II sponsored on “CFD in Engineering Domain Using Computing Softwares”, at VJTI Mumbai during 8th -12th July 2013.
10. CEP course on “Rapid Prototyping and Manufacturing” at IIT Bombay during February 26-28, 2013.
11. STTP on “Micro-manufacturing” at IIT Kanpur during Nov. 05-10, 2012.
12. STTP on “Research Methodologies” at VJTI, Mumbai conducted by IIT Bombay during 25/06/2012 to 04/07/2012.
13. STTP on “Industrial Engineering Tools & Techniques” at VJTI, Mumbai during March 12 – 16, 2012.

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14. STTP on “Advances in manufacturing and micromachining Techniques” at VJTI, Mumbai during Nov. 14 – 18, 2011.
15. STTP on “Computer Aided Design” at IIT Madras during Sept. 12- 16, 2011.
16. STTP on “Heat Transfer” at VJTI, Mumbai conducted by IIT Bombay during 29/11/2011 to 10/12/2011.
17. Attended PG Level Part Time Programme ME-676- Collaborative Engg. at IIT Bombay during 01/01/2012 to 30/04/2012.