

Curriculum Vitae

Name: SACHIN VIJAY LOMTE

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Date of Birth: 03/05/1972



Academic Credentials

Degree	Specialization	Institution	University	Year	%	Class
M.E.	Mechanical Design	Government College of Engineering, Aurangabad (MS)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	2007	62.06	First
B.E.	Production	Jawaharlal Nehru Engineering College, Aurangabad (MS)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	1993	62.93	First

- Pursuing **Ph.D.** in Mechanical Engineering at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
- Professional trainer **in soft skills.**
- Academic work experience – **21 years**
- Industrial work experience – **05 years**

Career Highlights

1. **(July 1, 2018 – till date) Head, Department of Basic Sciences and Humanities, Maharashtra Institute of Technology, Aurangabad (MS), INDIA**
2. **(2012-2020) Member, Governing Body MIT, Polytechnic, Rotegaon (MS), INDIA**
3. **(1/1/2015 – 10/7/2016) – Training and Placement Officer, Maharashtra Institute of Technology, Aurangabad (MS), INDIA**
4. **(16/7/2012 – 31/12/2014) Head, Department of Mechanical Engineering, Maharashtra Institute of Technology, Aurangabad (MS), INDIA**
5. **(November 2010 to June 2011) Head, Department of Production Engineering, Maharashtra Institute of Technology, Aurangabad (MS), INDIA**
6. **(August 2009 to May 2011) Head, Department of Management Science, Maharashtra Institute of Technology, Aurangabad (MS), INDIA**
7. **(2003-2012) In charge, Central Stores, G. S. Mandal, MIT, Aurangabad (MS), INDIA**
8. **(September (16-20) 2007)– M.E. Dissertation work presented as Paper titled “Investigation of the influence of deep cryogenic treatment on residual stresses in HCHC/D2 steel using X ray diffraction” presented orally at Materials Science and Technology 2007 International Conference and Exhibit held at Detroit, Michigan US. (Published in ASM proceedings ISBN: 978-0-87170-866-3)**
9. **(June 1996- June 1997) Engineer Purchase –Imports at Videocon Appliances Ltd., Washing Machine Division, Aurangabad (MS), INDIA**

Overall Industrial Experience - 5 years

1. **(1/1/1994 to 15/6/1997) Engineer Purchase at M/S Videocon Appliances Ltd. Washing Machine Division, Aurangabad (MS) INDIA.**
Nature of Job involved Regular Purchase and Vendor development activities.
2. **(1/7/1997 to 31/3/1999) Worked as Engineer Purchase at M/S Ganage Pressings Limited, MIDC, Pimpri, Pune (MS) INDIA**

Nature of Job involved Regular Purchase and Vendor development activities.

Overall Teaching Experience – 21years

1. **(15th July 1999 to June 2007) Lecturer** in Mechanical Engineering
Department at Marathwada Institute of Technology, Aurangabad (MS), INDIA.
2. **(June 2007 to July 2007) Senior Lecturer** in Mechanical Engineering
Department at Marathwada Institute of Technology, Aurangabad (MS), INDIA.
3. **(August 2007 till January 2011) Assistant Professor** in the Department of
Production Engineering at **Maharashtra Institute of Technology**, Aurangabad
(MS), INDIA.
4. **(January 2011 till date) Associate Professor** in the Department of
Mechanical Engineering at **Maharashtra Institute of Technology**, Aurangabad
(MS), INDIA.

Overall Administrative Experience – 17 years

1. **(July 1, 2018 – till date) Head, Department of Basic Sciences and
Humanities, Maharashtra Institute of Technology, Aurangabad (MS), INDIA**
2. **(1/1/2015 – 10/7/2016) – Training and Placement Officer, Maharashtra
Institute of Technology, Aurangabad (MS), INDIA**
3. **(16/7/2012 to 31/12/2014) Head, Department of Mechanical Engineering,
Maharashtra Institute of Technology, Aurangabad (MS), INDIA**
4. **(2012-2020) Member, Governing Body MIT, Polytechnic, Rotegaon (MS),
INDIA**
5. **(November 2010 to June 2011) Head, Department of Production
Engineering, Maharashtra Institute of Technology, Aurangabad (MS), INDIA**
6. **(August 2009 to May 2011) Head, Department of Management Science,
Maharashtra Institute of Technology, Aurangabad (MS), INDIA**
7. **(2003-2012) In charge, Central Stores, G. S. Mandal, MIT, Aurangabad (MS),
INDIA**
8. **(May/June 2006 and 2007) exams. Joint-Director for Central Assessment
Scheme (Architecture/Pharmacy) of Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad (MS), INDIA.**

Membership of Professional Bodies

1. ISTE (LM 30042)
2. IIPE Fellow (WF1319)
3. ASM E-MEMBER (C-00529575)
4. **IIM Life Member P01-LM01-50259**

Research Project/Project Guided

1. Research Projects: Undergraduate- **47**; Postgraduate: **5**
2. Industrial Projects :**4**

Webinar/Seminar/Workshop/Industrial Training/STTP/FDP/CEP/Conference/ Symposium Attended

1. Attended the online mode short term training program on “Development and Use of Rubric for Effective Assessment” organized by NITTTR- National Institute of Technical Teachers’ Training and Research, Bhopal, Ministry of Human Resource Development, Govt. of India, on **28.7.2020**.
2. Attended Two weeks online FDP(MOOC) on “Effective use of ICT Tools in Online Teaching from **22nd June to 4th July 2020** organized by IQAC & Department of Electronics and Telecommunication Department of G S Mandal’s Maharashtra Institute of Technology, Aurangabad. The course is designed and developed on GNOMIO Site by Department of Pharmacy, Government Polytechnic, Jalgaon.
3. Attended three days’ International Symposium on “Opportunities & Challenges in Industry 4.0” organized by Industry Cell and Electronics and Telecommunication Engineering Department of G S Mandal’s Maharashtra Institute of Technology, Aurangabad and supported by GIZ MSME INNO Project from **15th – 17th June 2020**.
4. Attended two days’ online hands-on faculty Development Program on

“Effective Use of ICT Tools for Efficient Online Teaching” organized by Information Technology Department, Pune Institute of Computer Technology, Pune on **29th and 30th May 2020**.

5. Attended Webcast on Advanced OBE – Identifying weaker students and remedial actions organized by Inpods Ed-tech on **21st May 2020**.
6. Attended webinar “Impact of Global Pandemic on Engineering” on **6th May 2020** organized by G S Mandal’s Maharashtra Institute of Technology, Aurangabad.
7. Attended One Day NAAC Sponsored Seminar on “**Use of Technology & E-Content in Teaching & Learning**” organized by Internal Quality Assurance Cell of Deogiri College, Aurangabad on **23rd September 2019**.
8. Attended one-week AICTE_ISTE approved induction/refresher program “**Developing Multi-Dimensional Competencies in Teachers**” held during **June 4, 2018 to June 9,2018** at Modern College of Engineering, Pune, Maharashtra.

Webinar/Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Organized

1. Organized refresher course “Use of ICT for effective teaching Learning, 8 to 12 January 2019, Maharashtra Institute of Technology, Aurangabad.
2. Organized and participated in the two-day (**August 9th and 10th,2013**) Continuing Education Program (CEP) course on “RESEARCH METHODOLOGY department of Mechanical Engineering, Maharashtra Institute of Technology, Aurangabad.
3. Organized **two days’ National Workshop- 5th and 6th Jul 2013, Maharashtra Institute of Technology, Aurangabad & Indian Institute of Metals, Pune Chapter (IIM) on the topic “RELIABLE WELDS 2013”**
4. Organized **two days’ National Workshop- 7th and 8th July 2012, Maharashtra**

- Institute of Technology, Aurangabad & Indian Institute of Metals, Pune Chapter (IIM on the topic “Advances in Heat and Cryogenic Treatments”
5. Organized one day workshop for on “**Opportunities in DRDO**” – 21st April 2012 at MIT, Aurangabad in association with Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
 6. Organized **two days’** Workshop- 23rd and 24th April 2010 MIT, Aurangabad and Indian Institute of Metals, Pune Chapter (IIM) on the topic **Component Failures: Causes and Remedies.**
 7. Organized **One day** Workshop on Heat treatment, Casting and Surface Engineering on 28/11/2008 at MIT, Aurangabad in association with Indian Institute of Metals, Pune chapter.
 8. Organized three **days’ state level** workshop on **Entrepreneurship Development** for undergraduate engineering students (5/4/2007 to 7/4/2007) in association with Maharashtra Centre for Entrepreneurship Development (MCED) and Indian society for Technical Education (ISTE).
 9. Organized **two-days’** workshop on **Entrepreneurship Development** for all undergraduate students (27/02/2004 to 28/02/2004) in association with Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) INDIA.

Invited talks delivered

1. Address to First year students in the induction programme (**August 9, 2019**) at PDA College of Engineering Gulbarga – 585102 Karnataka – India
2. Address to faculty and students in TEQIP II Sponsored One day seminar on Effective Teaching and Learning in OBE and Life Skills for Engineers (**March 9, 2019**) at PDA College of Engineering Gulbarga – 585102 Karnataka - India
3. Address to faculty members on **Communication Skills** in the three days Faculty Development Programme from **3rd January to 5th January 2017** at Shreeyash College of Engineering and Technology, Aurangabad.

NPTEL Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
29 July 2019	20 September 2019	8	TALE 2: Course Design and Instruction of Engineering	71	Elite
February 2018	March 2018	8	Enhancing Soft Skills and Personality	91	Elite + Gold

Academic Contributions at MIT, Aurangabad

List of Courses Taught/Teaching at UG level

Current Academic session:(2020-21)

Sr. No.	Name of Subject	Class
1	Development of Skills -III	S Y Mechanical Engineering
2	Production Management	TY Mechanical Engineering

Academic session: (2019-20)

Sr. No.	Name of Subject	Class
1	Development of Skills -III	S Y Mechanical
2	Fundamentals of Mechanical Engineering	FY

Academic session: (2018-19)

Sr. No.	Name of Subject	Class
1	Manufacturing Processes -I	S Y Mechanical
2	Basic Mechanical Engineering	FY

List of Courses Taught at PG level

Sr. No.	Name of Subject	Class	Academic Session
1	Materials Science	M. Tech	2018-19 2015-16 2014-15 2013-14
2	Advanced Manufacturing Processes	M. Tech	2016-17 2015-16 2013-14

List of Courses Taught UG & PG - 1999 – till date

Sr. No.	Name of Subject	Class	No. of times taught
1	Production Engineering	T.E. Mechanical	01
2	Production Planning and Control	B.E. Production	01
3	Industrial Engineering	B.E./ B.Tech. Production	Once Each
4	Control Systems and Components	S.Y. (Instrumentation and Control)	01
5	Automatic control Systems	B.E. Mechanical /Production	01
6	Production/Manufacturing Processes	S.E/S. Y Mechanical /Production	03 Each
7	Machine Tools	S.E/S. Y Mechanical /Production	02/03
8	Elements /Basics of Mechanical Engineering	F.E/FY	01/03
9	Modern Management Techniques	T.Y Mechanical	01
10	Materials Management	T.Y Production	01
11	Theory of Metal Forming	B Tech Production	01
12	Production Management	MBA at Dr. B.A.M. University, Aurangabad	04
13	Operations Management	MBA at ICFAI Aurangabad	01

		Centre	
14	Engineering Metallurgy	TY Production	02
15	Materials Science	M. Tech Mechanical MIT Aurangabad	04
16	Advanced Manufacturing Processes	M. Tech Mechanical MIT Aurangabad	03

Extra-Curricular:

1. **2012** - Core Committee Member (Treasurer) – Central Youth Festival.
2. **2009 & 2010** - Convenor – Techno millennium
3. **2008**- Faculty Advisor – Students Council.
4. **2007** - Annual Social Gathering Co-ordinator- 2007.

Co-Curricular:

1. **(2018-21) Steering Committee Member**
2. **2018 – Steering committee coordinator NAAC**
3. **(27-5-2012)** Established Research Centre in Department of Mechanical Engineering, Maharashtra Institute of Technology, Aurangabad (MS), INDIA.

List of Research Publications

Papers in International Journal: 6

1. **2019**- Training through blended mode in ICT for Effective teaching learning process.
(Published in the Chronicle of Humanities and Cultural studies – ISSN: 2454-5503, Volume 5 September 2019.
2. **2018** - Minimization of distortion in heat treated AISI D2 tool steel: mechanism and distortion analysis. (Published in Procedia Manufacturing – 1/1/2018, Elsevier Volume 20, pp.113-118)
3. **2018** - Cryogenic Treatment of Metals –A Review (Published in Materials Today: Proceedings, volume 5, Issue 11, pp. 25219-25228, Elsevier)

4. **2015** - Effect of deep cryogenic treatment on surface integrity and dimensional stability of D2 tool steel.(Published in International Journal of Research in Engineering and Technology , volume 4, Issue 8)
5. **2011** - On the mechanism of the effect of cryogenic treatment on high speed steels. [Presented Orally]. **(Published in the Advanced Materials Research Journal (ISSN: 1022-6680) as a Special issue. *Advanced Materials Research (ISSN:1022-6680) is Indexed by Elsevier: I CPX www.ei.org.)**
6. **2011** - On electrical resistivity of AISI D2 steel during various stages of cryogenic treatment.
(Published in Journal on "Advances in Cryogenic Engineering (Materials)" are indexed by Thomson Scientific in the "ISI Proceedings" citation database.

Papers in International Conference Proceedings: 4

1. **December 11 -12 ,2017-iCMMD 2017, 2nd International Conference on Materials, manufacturing and Design Engineering**
The presentation topic: Minimization of distortion in heat treated AISI D2 tool steel: mechanism and distortion analysis. (Published in Procedia Manufacturing – 1/1/2018, Elsevier Volume 20, pp.113-118)
2. **September (16-18) ,2011- ICMST 2011**
The presentation topic: On the mechanism of the effect of cryogenic treatment on high speed steels. [Presented Orally].
(Published in the Advanced Materials Research Journal (ISSN: 1022-6680) as a Special issue. *Advanced Materials Research (ISSN:1022-6680) is Indexed by Elsevier: Ei CPX www.ei.org.
3. **June (13 – 17), 2011-** Cryogenic Engineering Conference &International Cryogenic Materials Conference CEC/ICMC 2011, at the Spokane Convention Center, Spokane, Washington, USA. [Presented orally]
The presentation topic: On electrical resistivity of AISI D2 steel during various stages of cryogenic treatment.

(Published in Journal on "Advances in Cryogenic Engineering (Materials)" are indexed by Thomson Scientific in the "ISI Proceedings" citation database.

4. **September (16-20), 2007 – MS& T 2007**, Materials Science and Technology 2007 International Conference and Exhibit held at Detroit, Michigan US. **The presentation topic:** "Investigation of the influence of deep cryogenic treatment on residual stresses in HCHC/D2 steel using X ray diffraction". [Presented orally]

(Published in ASM proceedings ISBN: 978-0-87170-866-3)

Papers in National Conference Proceedings: 3

1. National Conference at IIT Roorkee (30/1/2003) on "Key Role of Mechatronics Design in Automation"
2. National Conference at KITS Warangal on "Advanced Thermal Processing of High-speed tool steels (Cryogenic Treatment).
3. National Conference at NEC, Kovilpatti (TN) 30/1/2004 on "Improvement in Tool Life of HSS by subjecting to extreme cold conditions (Cryogenic Treatment)

Recognition

Reviewer at Journal Publications: Contributed as reviewer at International conference on Materials, Manufacturing and Design Engineering during December 11-12,2017 at MIT Aurangabad in collaboration with Dr. BATU Lonere.

Date: August 9, 2020

Place: Aurangabad

