

## Curriculum Vitae

**Name:** Mr Nitin Mahadeo Sakhare

**Permanent Address:** - Yogesh nagar infront of Yeshwant nagar,  
Ambad road, Jalna.

**Corresponding address:** - Ashiyad Colony 3, Behind Guru lawn Beed  
Bypass, Chh Sambhajinagar

**E-mail:** [nitin.sakhare@mit.asia](mailto:nitin.sakhare@mit.asia), [nmsakhare@gmail.com](mailto:nmsakhare@gmail.com)

**Mobile:** +91 9011979859

**Date of Birth:** 06<sup>th</sup> October 1990



### Academic Credentials

Degree	Specialization	Institution	University	Year	%/CGPA	Class
M.E	Heat Power	MIT, Chh Sambhajina gar	Dr. B.A.M.U. Chh Sambhajina r	2016	7.8	Distinction
B.E.	Mechanical Engineering	M.B.E.S college of Engineering, Ambajogai	Dr. B.A.M.U. Chh Sambhajina r	2012	69.26	Distinction

**M.E. Project:** Effect of EGR on a Stationary VCR DI Engine using Diesel and Cottonseed biodiesel blends (B20) fuel

#### Key Research Areas:

- Internal Combustion Engines

### Experience

Sr. No.	Organization	Post	From	To	No. of Years
1.	Maharashtra Institute of Technology, Chh Sambhajinagar	Assistant Professor	15 July 2016	Till Date	9 Yrs 8 M
2.	Maharashtra Institute of Technology, Chh Sambhajinagar	Lecturer	3 <sup>rd</sup> December 2012	18 <sup>th</sup> July 2013	7 M

## **List of Courses Taught/Teaching at UG level**

### **Taught/ Teaching the following course at UG level at Maharashtra Institute of Technology, Aurangabad**

- Internal Combustion Engines
- Heat Transfer
- Applied Thermodynamics
- Metrology and Quality Control
- Basics of Mechanical Engineering

### **Additional Assignments/Duties**

#### **Dr. Babasaheb Ambedkar Marathwada University, Aurangabad**

- Worked as a Joint Chief Superintendent for Dr.B.A.M.U. Engineering Examination Nov/Dec 2019.

#### **Maharashtra Institute of Technology, Aurangabad**

- Worked as Class Test Coordinator
- Worked for Criterion 2.1 of NBA

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

M.E. Project: Effect of EGR on a Stationary VCR DI Engine using Diesel and Cottonseed biodiesel blends (B20) fuel

### **Computer/Software Proficiency**

- Auto CAD
- MS office (MS Excel, MS Word)

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

- Attended one week FDP on Finite Elements Analysis: Theory Modeling, And Application using ANSYS, organized by MIT Chh.Sambhajinagar in association with CAD-CAM Bridge Pvt. LTD and ARK Info sol Pvt LTD Pune from 19<sup>th</sup> to 23<sup>rd</sup> January 2026.

- One day workshop on ‘Assessment of Learning Outcomes in OBE’ organized by Exam cell MIT Chh Sambhajinagar on 19<sup>th</sup> April 2025.
- Attended one week FDP on Advanced Manufacturing: Latest Trends organized by School of Engineering & Technology Sandeep University during 15 to 19 May 2023.
- Attended two days educational summit on Outcome Based Education and NAAC organized by Microsoft India on 14 and 15 May 2021
- Attended two days online workshop on “Energy Efficient Buildings”, on 17<sup>th</sup> and 18<sup>th</sup> July 2020, organized by MIT Aurangabad and ISHRAE students sub chapter Chh Sambhajinagar.
- Attended Five days Technical Symposium on “Advances in Materials and Manufacturing Engineering” organized by Department of Mechanical Engineering and Basic Sciences and Humanities, G.S. Mandal’s Maharashtra Institute of Technology, Aurangabad during 30<sup>th</sup> June to 4<sup>th</sup> July 2020.
- Attended one week online Faculty Development Program on “OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE” from 11-15 May 2020 under Margdarshan Scheme of AICTE, New Delhi.
- Attended National Online Faculty Development Program on “Artificial Intelligence” organized by Department of Information Technology, Universal College of Engineering under IQAC in collaboration with Brain O Vision Solutions India Pvt. Ltd. & National Youth Council of India held during 22.05.2020 to 26.05.2020.
- Attended one day “Energy Conclave 2020” on 15<sup>th</sup> February 2020, organized by Government College of Engineering, Aurangabad.
- Attended one day training program on “GD & T and 3 D CMM” on 30<sup>th</sup> July 2019 by Accurate Engineering Company Pvt. Ltd. at Aurangabad
- Attended one week refresher course on “USE of ICT for Effective Teaching Learning” from 8<sup>th</sup> January to 12<sup>th</sup> January 2019, organized by Department of Basic Science and Humanities, Dept. of Computer Science and Dept. of Mechanical Engineering.
- Attended one week STTP on “USE of ICT for Effective Teaching Learning Process” from 27<sup>th</sup> June to 1<sup>st</sup> July 2017, Organized by Basic Science and Humanities Department & Mechanical Engineering Department.
- Attended two days Conference on “Global Colloquium on Recent Advancements and Effectual Researches in Engineering, Science and Technology (RAEREST 16) organized by St.Joseph’s College of Engineering and Technology, Palai, during 22<sup>nd</sup>

and 23rd April, 2016.

## **Projects, Research Grants and Consultancy**

---

- Received industry Project Under GIZ- MASSIA on “Enhance capacity of Machine (OEE)”

## List of Research Publications

### Papers in National/ International Journal

- Nitin M Sakhare , A J Keche, “A review on Performance and Emission Characteristics of Biodiesels as alternative fuel: The Future trend”, ICRTME 2021, Under review
- Nitin M.Sakhare, Pankaj S.Shelke, Subhash Lahane, A.T.Autee, “ Effect of EGR on a Stationary VCR Diesel Engine using Cottonseed Biodiesel (B20) Fuel”, Carbon – Sci. Tech. 8/3 (2016) PP 60-67, ISSN 0974 – 0546, Applied Science Innovations Pvt. Ltd., India.
- Pankaj S.Shelke, Nitin M.Sakhare, Subhash Lahane, Kushal S. Wasankar, “ Analysis of a combustion, emission and performance characteristics of CNG-B20 fuelled diesel engine under dual fuel mode,” Carbon – Sci. Tech. 8/3, 2016, PP 52-59, Applied Science Innovations Pvt. Ltd., India.
- Nitin M.Sakhare, Pankaj S.Shelke, Subhash Lahane, “Experimental Investigation of Effect of Exhaust Gas Recirculation and Cottonseed B20 Biodiesel Fuel on Diesel Engine”, Elsevier, Procedia Technology, 25 , 2016, PP 869 – 876, ISSN 2212-0173.
- Pankaj S.Shelke, Nitin M.Sakhare, Subhash Lahane, “Investigation of Combustion Characteristics of a Cottonseed Biodiesel Fuelled Diesel Engine”, Elsevier Procedia Technology, Volume 25, 2016, Pages 1049-1055, ISSN 2212-0173.

### Papers in National /International Conference Proceedings

- Pankaj S. Shelke, Nitin M. Sakhare, Subhash Lahane, N. G. Patil, “Experimental Evaluation of Cottonseed Biodiesel as an Alternative Fuel for Diesel Engine”, International Conference on Recent Advances in Bioenergy Research. Springer Proceedings in Energy. Springer, Singapore, ISBN 978-981-10-6106-6,

Date: 01/04/2026

Place: Chh. Sambhajinagar