

Curriculum Vitae



Name: Avinash Vitthalrao Gadekar

Address: Flat No.103, Ajit Heights, Jai Nagari, Near Atharv Royal
Residency, Behind Nishant Park Hotel, Beed by Pass, Chhatrapati
Sambhajanagar

E-mail: avinash.gadekar@mit.asia, avinash.gadekar@gmail.com

Mobile: +919004030998

Date of Birth: 01/09/1984

Google Scholar: <https://scholar.google.com/citations?user=8H8mu3sAAAAJ&hl=en>

Academic Credentials

Class/ Degree	Specialization	Institution	Univer sity	Year	%/CGPA	Class
Ph. D.						
M.Tech.in Mechanical Engineering	Automobile Engineering	VJTI, Mumbai	Mumbai	2009	6.4 CGPA	Second Class
B.E.	Mechanical Engineering	MCE, Nilanga, Latur	SRTMU, Nanded	2007	68%	First class

GATE: 2007 qualified

M. Tech. Project: Dynamic analysis of an engine chassis mount bracket by using finite element method

Key Research Areas: FEA static and modal analysis.

Experience

Sr. No.	Organization	Post	From	To	Years	Months
1	HSBPVT's, Parikrama Institute of Technology, Kashti, Tq. Shrigonda, Ahmednagar	Asst. Prof.	14 th Sept 2009	4 th Aug 2011	2 yr	
2	Marathwada Institute of Technology, Aurangabad	Asst. Prof.	6 th Aug 2011	28 th Sept 2022	11 Yr	1 months
3	Maharashtra Institute of Technology, Chhatrapati Sambhajinagar	Asst. Prof.	29 th Sept 2022	Till date	3 yr.	5 months

Appreciation:

- Letter of appreciation from the IQAC of institute as a excellent teaching delivery for the course Engineering Graphics for AY 2023-24 Part-II.

Appointments:

- Appointed as a subject expert for preparation of question bank for B.Tech. first year (NEP) Semester-I.
- As a Assistant Senior Supervisor for Dr.BATU, Lonere winter Semester 2024 examination.

List of Courses Taught/Teaching at UG level

- Automobile Engineering
- Electric Vehicles
- Engineering Graphics
- Fluid Mechanics and Hydraulics
- Machine Drawing and CAD
- IC engines
- Renewable Energy Sources
- Basics of Mechanical Engineering

List of Courses Taught/Teaching at PG level

- ▮ Automotive Electronics
- ▮

Additional Assignments/Duties

- First Year B.Tech. admission committee member for AY 2025-26
- Academic and Administrative audit committee member for AY 2024-25 and 2025-26.
- Worked as a Class Teacher for Higher classes (SE and BE) and TGS.
- Worked as a Class Teacher for FY class and TGS.
- Working as a Lab In-charge of Automobile Engineering lab
- Worked as a DSU admission In-charge of Mechanical Department.
- Worked as a Understudy (US) for the Dr. BAMU Exam.
- Worked as an organizing committee member for workshop, Seminar and Webinars.
- Worked as a Central Coordinator of Competitive Exam Cell in AY 2020-21 Under Student Development Cell.
- Worked as a Coordinator for Saturday@MIT Program running in First year department For AY 2021-22.
- Worked as a SAE coordinator and faculty advisor for BAJA and SUPRA.
- Worked as a Paper setter of Automobile subject for Govt. Engineering College and for DBAMU.
- Worked as a Sahayak Samveshak for MPSC exam at college level.
Worked as a departmental AICTE, AISHE coordinator.
- Involved in interview panel for selection of candidate for MIT CIDCO.
Worked in a Academic Monitoring committee for one year.

Membership of Professional Bodies

- Lifetime member of ISTE.
- SAEINDIA annual member.

Research Projects/Projects Guided

- Guided to 4 ME students (3 from Heat Power and 1 from Automation)

Computer/Software Proficiency

- AutoCAD
- SolidWorks
- Ansys
- Having introductory knowledge of Database and JAVA.

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

- One week FDP on “Finite Element Analysis: Theory, Modeling and Applications using ANSYS” from 19th to 23rd January 2026.
- One day research conclave on “Recent Advancement in Science and Technology” on 20th Jan 2025.
- One day workshop on “Assessment of Learning Outcomes in OBE” on 19th April 2025 organized by Examination cell, MIT, CSN.
- FDP on “Writing and Publishing in High-Impact Journals: Methods and Ethical use of AI” from 24th March to 29th March 2025.
- 5 days FDP on Recent Trends in Hybrid and Electric Vehicles organised by School of Mechatronics Engineering, Symbiosis Skills and Professional University.
- One day workshop on “Intellectual Property Rights (IPRs) and Patent Lifecycle” at MIT, CSN on 8th March 2025.
- ☐ Workshop on “Akash for Education” organized by IIT, Bombay, Under the national mission on education through ICT (MHRD) from Nov 10,2012 To Nov 11,2012 as a part of Quality Improvement Program.
- ☐ Workshop on “Engineering Thermodynamics” organized by IIT Bombay, Under the national mission on education through ICT (MHRD) from Dec 11,2012 To Dec 21,2012 as a part of Quality Improvement Programs.
- ☐ Workshop on “Fluid Mechanics” organized by IIT, Kharagpur from May 20, 2014 To May 30,2014under Quality Improvement Programs.
- ☐ Training on “NBA Accreditation” Organized By NITTTR, Kolkata from Apr 22, 2019 To Apr 26, 2019.
- ☐ Training on “Industrial IoTs, Industry 4.0 & Disruptive Technologies” Organized By Dr. B. A. Technological University, Lonere (Maharashtra) from May 05, 2020 To May 10, 2020.
- ☐ Training on “Evolution from offline to Online Teaching” organized by satish pradhan dnyanasadhana college, Thane under IQAC and FDP committee in association of Mumbai university and YCMOU Mumbai regional center from May 05, 2020 To May 10, 2020.
- ☐ Training on “Product Design & Novelty” organized by Department of Mechanical Engineering, Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar, Maharashtra and The Institution of Engineers (India) Ahmednagar local Centre from Jun 06, 2020 To Jun 10, 2020
- ☐ Webinar on “How tyre can be a part of road safety” organized by AD Patel Institute

of Technology under ISTE chapter on 24th April 2021.

- One day webinar on New Education Policy and Digitization on Education organized by R.C.Patel Institute of Technology, Shirpur under TEQIP-III on 17th May 2020.

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference organized

- Organizing Committee Member for ATAL FDP on Industry 4.0 Technology, Challenges and Opportunities for Indian SME's from 11th to 16th December 2023 in MIT, Chh. Sambhjinagar.
- Organizing Committee in One-week online STTP on "Recent Trends in Automotive Sector and Future Prospective" from 30th August to 3rd September 2021 for DSY aspirants.
- Organized webinar and seminars for FY students in AY 2021-22 along with the Head, BSHD.

List of Research Publications

Papers in National/ International Journal

- Design and thermal performance analysis of shell and tube heat exchanger by using CFD-A review International Journal of Science and Research (IJSR) 5 (2), 953-955
- Experimental and Computational Evaluation of Pressure Drop and Heat Transfer Characteristics in Rectangular Channel with Helix Grooved Profile Pin Fins Advances in Energy Research, Vol. 1, 729-741
- A review paper on CFD Simulation of square threaded & helical twisted pin fin array in a rectangular channel to enhance heat transfer International Journal of Science and Research, ISSN, 2319-7064
- Experimental Investigation and Comparative Thermal Performance Analysis of Shell and Tube Heat Exchanger by Using CFD
- A Review on Augmentation of Heat Transfer from Square Perforated fins in Staggered Arrangement

NPTEL Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
29/7/2019	20/9/2019	8 weeks	Teaching and Learning in Engineering TALE II	79	Elite-Silver
Aug 2019	Oct 2019	8 weeks	Accreditation and Outcome based Learning	50	
Jul 2019	Aug 2019	4 weeks	Ergonomics in Automotive Design	57	
Jan 2020	April 2020	12 weeks	Fundamental of Automotive System	85	
Jan 2023	Feb 2023	4 weeks	Electric Vehicles - Part 1	53	
Sep 2020	Nov 2020	8 weeks	Fluid Mechanics	52	

Date: 28th Feb 2026

Place: Chhatrapati Sambhajinagar
