

RESUME

KAILASH U. MAKHIJA

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Work experience

- Teaching experience of almost 3 years as Assistant professor in KBSs College of Engineering and Technology, North Maharashtra Knowledge City, Jalgaon (EN 5396) January 2016-Dec 2018
- CHB in Government college of Engineering, Jalgaon January 2019- April 2019
- Joined as a lecturer in Godavari College of Engineering Jalgaon (polytechnic) on 26th June 2019
- Almost Six Years of experience as a HOD of Mechanical Department (polytechnic) in Godavari College of Engineering Jalgaon (polytechnic) from December 2019 to July 2025.
- As a HOD I have actively done Academic Planning, Faculty Management, Student Support and Development, Administrative Duties, Industry and Academia Collaboration, Discipline and Ethical Standards
- Currently Working as a Assistant Professor in Mechanical Engineering department of Shri Shivaji Vidya Prasarak Sanstha's Bapusaheb Shivajirao Deore College of Engineering, Dhule August 2026 -Till Date

Portfolios Handeled

- Appointed as Department Level SWAYAM/ MOOCs coordinator in SSVPS College
- Appointed as Diploma College level **Website Coordinator** (Team Santronix)
- Appointed as Diploma College level **ERP Coordinator** (EduPlus-Campus)
- Appointed as Diploma College level **IIT Spoken Tutorial** Coordinator
- Also been part of **MSBTE duties** for practical examiner, controller of theory exam.
- I have also been **admission in charge** in Godavari College from 2020 to 2025
- In-charge of Internal combustion Engine-Lab.
- Coordinator of Internal Sessional Exam Committee,
- Member of Sports Committee

Function & Key Responsibility

- To carry out teaching & administration work within the Department.
- Supervising student projects and academic performance
- Developing and updating course materials
- Organizing seminars, workshops, and faculty development programs
- Assisting with examination preparation and evaluation
- Maintaining student attendance and academic records
- Ensuring discipline and adherence to academic standards
- To engage with the broader scholarly and professional communities.
- To provide pastoral care and support to students.
- To maintain an awareness and observation of fire, health, and safety regulations.

Educational Qualification

EXAMINATION	COLLEGE/UNIVERSITY	YEAR OF PASSING	PERCENTAGE
Ph.D.	KBC NMU Jalgaon	Pursuing	
M.E. Thermal Engineering	GFs Godavari College of Engineering (KBC NMU Jalgaon)	2019	73.60%
B.E. Mechanical Engineering	SSBTs COET Jalgaon (KBC NMU Jalgaon)	2014	71.53%
H.S.C.	Nasik State Board	2009	59.00%
S.S.C.	Nasik State Board	2007	72.15%

Academic Projects

➤ **M.E (Thermal Engineering)**

Performance Analysis of Heat Exchanger Tube by Using Different Surface Coating.

Description: It deals with performance investigation of heat exchanger by using surface coating of metal oxide of higher thermal conductivity on heat exchanger tubes. Due to this, additional effect of coating rather than corrosion resistant will be found, and can be utilized for system improvement.

➤ **B.E (Mechanical Engineering)**

Performance and Analysis of Air Powered Engine Test Rig

Description: Eco-friendly engine as it uses compressed air as source of energy. This engine using energy of expansion of compressed air to drive the engine and supply motion to vehicle.

NPTEL / Swayam / ATAL FDP Certification

- NPTEL: Outcome based Pedagogic Principles for Effective Teaching-68% (Jan-June 2026)
- NPTEL: Advanced Machining Processes-67% (July-Dec 2025)
- NPTEL: Engineering Thermodynamics in Hindi – 67% (Jan–Jun 2025)
- ATAL FDP: 3D Printing & Design – DIAT Pune (10–14 Jan 2022)
- ATAL FDP: Electric Vehicles – RIT Sakharale (3–7 Jan 2022)
- ATAL FDP: 3D Printing & Design – SPCE Mumbai (20–24 Dec 2021)

Conference / Publication

Orchid ID: <https://orcid.org/0000-0001-9121-7464>

Scopus Author ID: 58128126000

Researcher ID: KIH-5513-2024

- Published research paper on "A Review on Role of Phase Change Material in Energy Engineering Application" NACCTESTM-2017 21st March 2017 Organized by GFs Godavari college of Engineering Jalgaon.

- Published research paper on “Effect of Different Surface Coated Tubes on the Performance of Shell and Tube Heat Exchanger” International Journal of Emerging Technology and Advanced Engineering 2019 | Journal article EID: 2-s2.0-85149370609 Part of ISSN: 22502459
- Published research paper on “A Review on Performance of Heat Exchanger Using Different Surface Coated Tubes” International Journal of Emerging Technology and Advanced Engineering 2019 | Journal article EID: 2-s2.0-85149368377 Part of ISSN: 22502459
- Published research paper on “A Review on Co-generation & Tri-generation System in Energy Engineering” IJSRD - International Journal for Scientific Research & Development 2022 | Journal article
- Presented paper on “A Review of Advancements in Heat Exchanger Performance” in 2nd International Conference on Mechanical Engineering: Researches and Evolutionary Challenges-2024 conducted by National Institute of Technology Warangal, Telangana from 29th to 31st May, 2024.

Personal Details

Date of birth: 1st June 1992
 Marital Status: Married
 Languages Known: English, Hindi, Marathi and Sindhi

Declaration

I hereby declare that the above information is true to the best of my knowledge and belief. I am confident in my abilities to work effectively as a team member and contribute positively to your organization.

Date: 25 /07/2026

Place: Kailash U. Makhija