

KISHOR SAHEBRAO PATIL



Mobile :9260000123

E-Mail:kishor.patil@mit.asia

Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	% CGPA	Class
Ph.D.	Manufacturing	Sanjivani University, Kopargaon, Near Shirdi, Ahilyanagar (Ahmednagar), 423601.		2025	Persuing	
M.Tech.	Mechanical	Noida Institute of Engineering & Technology, Greater Noida, Uttar Pradesh	Uttar Pradesh Technical University, Lucknow (U.P.)	2011	8.17	First
B.E.	Production	Marathwada Institute of Technology, Aurangabad	Dr.B.A.M. University, Aurangabad	2003	62.86	First
Diploma	Production	Marathwada Institute of Technology, Aurangabad	MSBTE, Mumbai	2000	64.82	First
ITI	Welding	Marathwada Institute of Technology (ITI), Aurangabad	National Council for Vocational Training, New Delhi	1993	72.00	First
SSC	Technical	MIT Technical School, Aurangabad	MSBSHSE, Pune	1992	55.57	Second

Career Highlights

- **Assistant Professor | Mechanical Engineering Department Maharashtra Institute of Technology, Chhatrapati Sambhaji Nagar 26th Feb 2026 – Present**
- **Principal Marathwada Institute of Technology (Polytechnic), Rotegaon 12th Feb 2020 – 25th Feb 2026**

- **Assistant Professor | Mechanical Engineering Department Maharashtra Institute of Technology, Chhatrapati Sambhaji Nagar 1st Sept 2017 – 10th Feb 2020**
- **Head of Department (HOD) | Mechanical Engineering & Production Technology Marathwada Institute of Technology (Polytechnic), Chhatrapati Sambhaji Nagar 1st Jan 2015 – 31st Aug 2017**
- **Assistant Professor | Mechanical Engineering Department Maharashtra Institute of Technology, Chhatrapati Sambhaji Nagar 24th Jan 2011 – 31st Dec 2014**
- **Lecturer (Selection Grade) | Mechanical Engineering Department Marathwada Institute of Technology, Bulandshahr 1st July 2009 – 31st Dec 2010**
- **Senior Lecturer | Mechanical Engineering Department Marathwada Institute of Technology, Bulandshahr 1st Aug 2007 – 30th June 2009**
- **Lecturer | Mechanical Engineering Department Marathwada Institute of Technology, Bulandshahr 30th Oct 2003 – 31st July 2007**
- **Production Supervisor & Quality Inspector Tank Auto Pvt. Ltd., Waluj, Chhatrapati Sambhaji Nagar June 2003 – Oct 2003**
- **Supervisor Laxmi Enterprises, Chhatrapati Sambhaji Nagar June 1999 – July 2000**
- **Welder Bajaj Auto Ltd., Waluj, Chhatrapati Sambhaji Nagar Dec 1995 – Jan 1998**

Overall Industrial Experience–3 years

- **Production Supervisor & Quality Inspector Tank Auto Pvt. Ltd., Waluj, Chhatrapati Sambhaji Nagar June 2003 – October 2003**
- **Supervisor Laxmi Enterprises, Chhatrapati Sambhaji Nagar June 1999 – July 2000**
- **Welder Bajaj Auto Ltd., Waluj, Chhatrapati Sambhaji Nagar December 1995 – January 1998 (Served tenures from Dec 1995 – June 1996 and June 1997 – Jan 1998)**

Academic and Administrative Experience

- **Assistant Professor | Mechanical Engineering Department Maharashtra Institute of Technology, Chhatrapati Sambhaji Nagar (MS) Feb 2026 – Present**
- **Principal Marathwada Institute of Technology (Polytechnic), Rotegaon (MS) Feb 2020 – Feb 2026**
- **Assistant Professor | Mechanical Engineering Department Maharashtra Institute of Technology, Chhatrapati Sambhaji Nagar (MS) Sept 2017 – Feb 2020**
- **Head of Department (HOD) | Mechanical Engineering & Production Technology Marathwada Institute of Technology (Polytechnic), Chhatrapati Sambhaji Nagar (MS) Jan 2015 – Aug 2017**

- **Assistant Professor | Mechanical Engineering Department Maharashtra Institute of Technology, Chhatrapati Sambhaji Nagar (MS) Jan 2011 – Dec 2014**
- **Lecturer (Selection Grade) | Mechanical Engineering Department Marathwada Institute of Technology, Bulandshahr (UP) July 2009 – Dec 2010**
- **Senior Lecturer | Mechanical Engineering Department Marathwada Institute of Technology, Bulandshahr (UP) Aug 2007 – June 2009**
- **Lecturer | Mechanical Engineering Department Marathwada Institute of Technology, Bulandshahr (UP) Oct 2003 – July 2007**

Administrative & Leadership Experience

Institutional Governance & Accreditation

- **NBA Coordinator:** Led the National Board of Accreditation (NBA) process for MIT Polytechnic Rotegaon (2025–2026) and served as Departmental Coordinator at MIT Polytechnic, Chhatrapati Sambhaji Nagar (2016–2017).
- **MSBTE External Academic Monitoring:** Served as **Chairman** for academic monitoring committees (2022–2025) and as a Member (2016–2020).
- **Chief Officer (Examination & Assessment):** Appointed as Chief Officer for MSBTE Examinations and the Regional Assessment Centre (RAC) at MIT Polytechnic Rotegaon (2020–2025).
- **Chief Coordinator (AICTE/DTE):** Managed central coordination for AICTE Extension of Approval (EoA) and online data submission for multiple academic cycles (2013–2017).
- **Information Officer:** Served as the designated RTI Information Officer (2009–2011).

Curriculum & Academic Coordination

- **Chief Project Coordinator:** Led the "Diploma in Agricultural Engineering" curriculum development for semesters II through VI (2022–2024).
- **Question Paper Setter:** Assigned by MSBTE for various engineering subjects (2016–2020).
- **Outcome-Based Education (OBE) Coordinator:** Organized and coordinated Faculty Development Programs (FDP) on OBE implementation (Sept 2025).
- **Margdarshan Scheme:** Implemented the AICTE "Hub-n-Spoke" system to mentor and support other institutions (2016–2017).
- **Internal Academic Coordinator:** Achieved "Excellent" grade from MSBTE monitoring committees through rigorous departmental coordination (2015–2019).

Student Welfare & Campus Discipline

- **Chairman/Member of Statutory Committees:** Active leadership in Anti-Ragging Squads, Student Grievance Redressal Cells, and Vigilance Committees (2004–2025).
- **Hostel Rector:** Served as Rector for Boys' Hostels (Campus and Sumangalam) across multiple tenures (2004–2008).
- **Students' Council Coordinator:** Directed extra-curricular activities, including social gatherings, sports, and national icon commemorative events.
- **Admissions In-Charge:** Headed admission committees for First Year, Direct Second Year, and M.Tech programs (2008–2015).

Professional Development & Industry Interaction

- **State-Level Event Convener:** Organized the "Panchrang" Technical Competition (2022–2025) and co-convended the "Brainwave" technical event.
- **Training & Placement Support:** Arranged pool campus interviews and organized MSBTE-sponsored SAP Training and Professional Practice workshops.
- **Public Relations & Media:** Central Coordinator for news drafting, press conferences, and social media handling for the MIT group (2015–2019).
- **Industrial Connectivity:** Facilitated industrial visits and served as Institute Coordinator for the Chamber of Marathwada Industries & Agriculture (CMIA).

Professional Membership

- **Life Member (NL-258 [EC, ELC])** The Indian Ceramic Society *Member since December 2009*
- **Life Member (SMIIE-10531 [23])** Indian Institution of Industrial Engineering *Member since September 2014*

Project Guidance (Undergraduate & Diploma)

- **Solar Water Sprinkler (Working Model)** | *Academic Year 2011–2012*
- **Electromagnetic Scrap Separator (Working Model)** | *Academic Year 2010–2011*
- **Turbo AC Car** | *2010*
- **Automated Guided Vehicle (AGV)** | *2007*
- **Rotary Table for Machining Operations (Working Model)** | *2006*
- **CNC Drilling Machine (Working Model)** | *2005*
- **Robotic Arm (Working Model)** | *2005*

Competition Mentorship

- **Project Guide & Coordinator** | *Eko-Kart 2016 (Season III)*
 - Mentored the design and fabrication of a battery-operated electric kart for a national-level competition.

Technical & Software Proficiency

Engineering Design & CAD/CAM

- **Solid Edge:** Proficient in Version 12 for 3D modeling and design.
- **AutoCAD:** Extensive experience in 2D and 3D drafting (Versions 2000, 2007).
- **3ds Max:** Visualization and 3D modeling.

Data Analysis & Simulation

- **Minitab 16:** Statistical analysis for quality and process improvement.
- **XLSTAT 10:** Data analysis and statistics within Excel.
- **Data Pack (Kiln Tracker):** Specialized thermal profiling and data collection for industrial kiln systems.

Graphic Design & Web Development

- **CorelDRAW & Adobe Photoshop 7:** Professional-grade vector graphics and image editing.
- **Web Design:** Development using Microsoft FrontPage and basic web environments, Google Site.

General IT & Operating Systems

- **Microsoft Office Suite:** Advanced proficiency in Word, Excel, and PowerPoint for academic administration and reporting.
- **OS Environment:** Skilled in all versions of the Windows Operating System and Open Source (Linux)

Professional Development and Training

Industrial Training Programs

- **One-Week Industrial Training:** Marathwada Auto Cluster (MAC), Chhatrapati Sambhajnagar (Sponsored by MSBTE) | *Jan 2026*
- **Industrial Training Program:** Larsen & Toubro (L&T) Training Centre (CTEA), Madh, Mumbai | *June 2015*
- **Workshop on Reliable Welds (RW-2013):** Indian Institute of Metals, Pune Chapter | *July 2013*

Faculty Development Programs (FDP) & STTPs

- **AI & Machine Learning for Beginners (3-Day Online):** Rajaram Bapu Institute of Technology, Pune | *Nov 2025*
- **Inculcating Universal Human Values in Technical Education (3-Day):** AICTE, Maharashtra Institute of Technology | *Jan 2024*
- **Modeling and Simulation (One-Week National STTP):** DST Sponsored/ISTE Approved, MIT Chhatrapati Sambhajnagar | *June 2016*
- **Induction Training Program Phase-I & II (Two-Week):** NITTTR Bhopal & MSBTE (Served as Local Coordinator) | *2015 – 2016*
- **Statistics for Engineers (3-Day):** Cummins College of Engineering for Women, Pune | *Dec 2014*
- **FEA & CFD using ANSYS 14 & ABAQUS (Two-Week):** AICTE Sponsored, CSIT, Durg | *Dec 2013*
- **Aerospace Engineering (Deep Dive FDP):** Infosys Campus Connect, Mysore | *May 2013*
- **Engineering Optimization Techniques (STTP):** Government College of Engineering, Chhatrapati Sambhajnagar | *Jan 2012*

Online Certifications (NPTEL / SWAYAM / International)

- **Automation in Manufacturing (12-Week NPTEL):** Completed with **77%** (Silver/Elite) | *Oct 2025*
- **Introduction to Research Methodology (12-Week SWAYAM):** Completed with **69%** | *April 2025*
- **Climate Change and Water Management:** UNICEF Online Course | *March 2025*

Workshops & Seminars Attended

- **Virtual Labs: Hands-on Outreach Workshop:** SNJB's S.H.H.J.B. Polytechnic, Chandwad | Nov 2025
- **VSSC ISRO's FEAST FEA Technology:** MIT Chhatrapati Sambhajanagar | Nov 2016
- **MATLAB & Simulink for Engineering Education:** Lemon Tree, Chhatrapati Sambhajanagar | Nov 2014
- **Nanomaterials & Nanotechnology (National Workshop):** MIT Chhatrapati Sambhajanagar | Sept 2013
- **Pearson Edurite Digital Class Room Training:** MIT Chhatrapati Sambhajanagar | Sept 2013
- **Opportunities in Defence Research & Development (DRDO):** MIT Chhatrapati Sambhajanagar | April 2012
- **Precision, Meso, Micro & Nano Engineering (COPEN-7):** International Conference, COEP Pune | Dec 2011
- **Quality Control & Energy Conservation:** Series of workshops at CGCRI, Khurja | Various Dates

Subject Taught

Undergraduate (B.Tech) Programs:

Subject Name	Course/Level	Frequency
Computer Aided Design (CAD)	B.Tech Mechanical	03
Computer Aided Manufacturing (CAM)	B.Tech Mechanical	02
Mechanical System Design	B.Tech Mechanical	02
Unconventional Manufacturing Processes	B.Tech Mechanical	02
Measurement & Metrology	S.Y. Mechanical	04
Manufacturing Processes I & II	S.Y. Mechanical	08
Machine Drawing I & II	S.Y. Mechanical	02
Manufacturing Science II	T.Y. Mechanical	02
Product Development and Design	T.Y. Mechanical	02
Industrial Economics & Principles of Management	T.Y. Mechanical	02
Engineering Graphics	F.Y. Mechanical	03
Manufacturing Technology	F.Y. Mechanical	03

Diploma Programs

Subject Name	Course/Level	Frequency
Management	T.Y. Computer Engineering	02
Engineering Mechanics	F.Y. Agricultural Engineering	01
Essence of Indian Constitution	S.Y. Mechanical Engineering	01
Engineering Graphics	FY Mechanical	02
Engineering Graphics	FY Electrical Engineering	01

Extracurricular & Institutional Contributions

Technical & Academic Leadership

- Judge | MSBTE State Level Technical Paper Presentation: Invited as a subject expert judge for AVISHKAR 2K16 at CSMSS, Chhatrapati Sambhaji Nagar (Sept 2016).

- Public Relations Officer (PRO): Managed institutional communications and media relations for MIT Bulandshahr (May 2009 – Jan 2011).

Event Management & Finance

- Treasurer | Kalavihamgam (Annual Cultural Fest): Appointed as the financial lead for the university's flagship cultural event for two consecutive years (2014, 2015) at MIT Chhatrapati Sambhaji Nagar.
- Chairman | Sports Committee: Directed all inter-collegiate and intra-institutional sporting events and infrastructure development at MIT Bulandshahr (2007).

Student Welfare & Administration

- Hostel Rector: Oversaw student welfare, administration, and discipline for the Campus Hostel (2004–2005) and Sumangalam Hostel (2008) at MIT Bulandshahr.

Laboratory & Infrastructure Development:

- **Establishment of CAD/CAM Laboratory:** Planned and implemented a state-of-the-art CAD/CAM facility equipped with 30 high-performance workstations for advanced design and simulation training.
- **Production Engineering & Design Lab Development:** Directed the complete setup and modernization of the Production Engineering and Design Laboratory at MIT Polytechnic, Chhatrapati Sambhaji Nagar.
- **In-House Equipment Design & Fabrication:**
 - **Tilting Gas-Fired Furnace:** Designed and developed a functional tilting furnace specifically for conducting industrial-grade casting experiments.
 - **Press Machine & Specialized Fixtures:** Developed a custom press machine and fixtures to facilitate practical laboratory experiments and operational demonstrations for students.
- **Digital Infrastructure (E-Library):** Spearheaded the development and deployment of the E-Library system at MIT Bulandshahr, enhancing digital resource accessibility for faculty and students.

Research & Publications

Book Publications

- **Basics of Mechanical Engineering** (2025) *Authors:* Kishor Sahebrao Patil, S. V. Sagare, Y. B. Gaidhani,
- *Publisher:* Gigatech Publishing House.

International Journal Publications

- **"Exergy Analysis of Combined Cycle Power Plant and Effect of Operating Variables on Exergy"** *International Journal of Engineering Research and Technology (IJERT)*, Vol. 4, No. 1, 2011.
- **"Simulation and Effect of Operating Variables on the Overall Thermal Efficiency of Combined Cycle Power Plant"** *ARPJ Journal of Engineering & Applied Science (Asian Research Publishing Network)*, Vol. 5, No. 12, Dec 2010.

International Conference Proceedings

- **"Recent Advances in Sustainable Engineering"** (Title placeholder based on SIESM scope)

1st International Conference on Sustainable Innovation in Engineering, Science and Management (SIESM-2026), April 2026.

- **"Heat Balance Sheet and Energy Conservation of an Oil Fired Tunnel Kiln"** *International Conference on Energy Efficient Materials Manufacturing Methods & Machineries for Ceramic Industries (IC2E4MCI-11), Dec 2011.*

National Conferences & Seminars

- **"Effect of Machining Parameters in Hard Turning"** *National Conference on Recent Advances in Engineering, Sunder Deep Engineering College, Ghaziabad, May 2011.*
- **"Heat Loss Calculation of an Oil Fired Tunnel Kiln"** *National Seminar on Traditional Ceramics (NSTC-2011), CGCRI, Khurja, March 2011.*
- **"Developments in Power Plant Engineering"** *National Seminar on Power Plant Engineering, MIT Bulandshahr, 2007.*
- **"Surface Generation"** *Techno-Millennium 2005 (National Level Technical Symposium), MIT Chhatrapati Sambhaji Nagar, Sept 2005.*

Academic Projects

M.Tech Dissertation

Title: Energy Conservation Analysis of an Oil-Fired Tunnel Kiln

Mentors: Dr. L. K. Sharma (Scientist-In-Charge, CGCRI) & Dr. C. S. Prasad (Technical Officer, CGCRI)

- **Objective:** To conduct a thermal analysis of tunnel kilns used in ceramic firing and implement waste heat recovery systems to improve fuel efficiency.
- **Key Contributions:**
 - Analyzed heat loss mechanisms and developed a strategy to utilize waste heat for pre-heating and drying ceramic wares.
 - Optimized the length of the pre-heating zone to maximize thermal recovery.
- **Quantitative Results:**
 - Enhanced overall thermal efficiency from **28% to 41%** (an initial 8% increase followed by an additional 5% through zone optimization).
 - Reduced daily fuel consumption from **660 liters/day to 525 liters/day**, resulting in significant operational cost savings.

B.E. Final Year Project

Title: Design and Development of a Multi-Exercise Jogger Machine

Sponsorship: MIT Health Club

- **Objective:** To design and fabricate a cost-effective, multi-functional exercise machine capable of supporting multiple users simultaneously.
- **Key Contributions:**
 - Developed a robust mechanical design allowing for four distinct exercise types within a single unit.
 - Engineered the machine for concurrent use by two individuals, optimizing space and utility.

- **Value Engineering:**

- Achieved a significantly lower production cost compared to commercial market alternatives.
- Focused on high-durability materials and structural integrity to ensure a long service life.

Personal Details

Date of Birth: May 4th 1976

Corresponding and Permanent Address: Gut No. 213, Plot 12, Gurukrupa Nagar, Satara
Parisar, Chhatrapati Sambhaji Nagar - 431010

E-mail (other): kishorpatilmit@gmail.com

Place: Chhatrapati Sambhaji Nagar

Date: 20/03/2026

(Kishor S. Patil)