

DEPARTMENT OF CHEMICAL ENGINEERING



Since 1983

Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

ADVANCING CHEMICAL
INNOVATION FOR A
BETTER TOMORROW



**ADMISSIONS
OPEN 2026**

School of Engineering and Technology

The School of Engineering and Technology at MIT-WPU exemplifies educational excellence, standing as a shining beacon of intellectual distinction with programmes designed to inspire and innovate. Our transformative approach transcends conventional engineering education through immersive industry partnerships, experiential learning, and cutting-edge pedagogical methodologies, including Problem-Based Learning. Distinguished faculty, comprising educators and industry veterans, bring invaluable real-world insights, ensuring that students master both theoretical foundations and practical applications. Through collaborative learning environments, diverse specialisations, and strategic industry connections, we cultivate technically proficient professionals ready to lead technological advancement, tackle complex global challenges, and drive innovation across diverse engineering disciplines.

Department of Chemical Engineering

MIT-WPU's Department of Chemical Engineering serves as a distinguished centre of academic excellence, fostering globally recognised ethical professionals through comprehensive education and experiential research. Our curriculum develops responsible chemical engineering professionals who contribute to nation-building across traditional industries and emerging fields, such as artificial intelligence and green energy technologies. Through strategic industry partnerships and interdisciplinary collaboration, we cultivate innovation-driven graduates who are equipped for diverse career tracks, ranging from petroleum refining to nanomaterials. Numerous national research grants foster a conducive environment for cutting-edge research and innovation, ensuring our students lead technological advancement in the evolving chemical engineering landscape.

Process modelling and simulation form the backbone of modern chemical engineering design and analysis. Chemical engineers predict, evaluate, and improve process performance before plant implementation using softwares like Aspen Plus, COMSOL and SAFETI™. These tools allow chemical engineers to integrate performance analysis with physical accuracy and safety evaluation in modern industrial processes. The Department of Chemical Engineering that hosts this program has a vibrant, award winning AIChE Student Chapter that promote co-curricular student driven activities in active association with industry partners. The Centre of Excellence in Material Science Research is coming up with active help from industry.



Ranked in the 101-150 band
by NIRF 2025

Times Engineering 2025 Rankings
Ranked 4th in the West Zone

Key Highlights

- **Innovation-Driven Pedagogy:** Transformative teaching methodologies fostering dynamic classroom exploration and creative problem-solving
- **Industry-Aligned Curriculum:** Expert faculty mentorship across specialised domains, ensuring comprehensive professional readiness
- **Advanced Research Infrastructure:** State-of-the-art facilities with interdisciplinary initiatives creating immersive learning environments
- **International Collaborations:** Strategic partnerships expanding global academic and industry engagement opportunities
- **Experiential Learning:** Industry-integrated training programmes ensuring real-world competency and practical skill development

Programmes Offered

UNDERGRADUATE PROGRAMME	B.Tech Chemical Engineering	 Duration 4 Years	 Fee Per Annum INR 3,65,000 PA
POSTGRADUATE PROGRAMME	M.Tech Chemical Engineering	 Duration 2 Years	 Fee Per Annum INR 2,25,000 PA
PH.D. PROGRAMME	Ph.D. in Chemical Engineering	Note*: For more details, visit the official website of MIT-WPU mitwpu.edu.in	

Major Tracks

- Refining and Petrochemical Technology
- Water and Wastewater Treatment
- Polymer Technology
- Bioengineering
- Energy Engineering

Career Opportunities

- Process Engineer
- Project Engineer
- Process Simulation Engineer
- Piping Engineer
- Technical Consultant
- Process Simulation Engineer
- Design & Commissioning Engineer
- Production Engineer
- Research Scientist
- Biochemical Process Engineer
- Quality Control Associate



Eligibility & Selection Process

B.Tech Chemical Engineering

Eligibility Criteria

A minimum of 50% aggregate marks in Class 10+2/ HSC, with English as a compulsory subject and A minimum of 50% aggregate marks in any one of the following subject groups:

- PCM (Physics, Chemistry, Mathematics),
- Physics & Mathematics with any Technical Vocational Subject (Minimum 45% aggregate marks for candidates belonging to the Reserved Category from Maharashtra State).

OR

A minimum 60% aggregate marks in a Diploma in Engineering & Technology in a relevant branch from a government-approved technical board.

Selection Process

Admissions are based on the scores of JEE 2026/ MHT-CET 2026/ PERA-CET 2026, along with a 500-word Statement of Purpose (SOP) written by the candidate

Note:

For a Ph.D. programme, visit the official website of MIT-WPU mitwpu.edu.in Also, MIT-WPU retains the right to make changes to any published schedule for the selection process.

M.Tech Chemical Engineering

Eligibility Criteria

Minimum 50% aggregate score in graduation (4 years) of relevant Engineering Branch from UGC approved Institution/ University or its equivalent (at least 45% marks, in case of Reserved Class category candidate belonging to Maharashtra State only).

Selection Process

Admission will be based on the merit of the MIT-WPU CET 2026 Entrance Examination, along with a Personal Interaction (PI) conducted by MIT-WPU.

A valid score in GATE (2026/ 2025/ 2024), PERA-CET 2026 will also be considered for the selection process; in such cases, the candidate must additionally appear for the MIT-WPU CET Personal Interaction (PI) as per the schedule. For admission under sponsored category, candidate must have a minimum of two years of full-time work experience in a registered firm, company, industry, educational/research institute, Government Department, or Government Autonomous Organization in the relevant field in which admission is sought. A Sponsorship Certificate (in the prescribed format) is mandatory for admission under this category.

Scholarships

MIT-WPU offers financial assistance and scholarships to the meritorious students based on their academic performance in the National level/State Level entrance exams / Entrance Examination conducted by MIT-WPU (MIT-WPU CBT Score) for the academic year 2026-27.

The categories of Merit Scholarships are as below*:

- 1. Dr. Vishwanath Karad Merit Scholarship**
- 2. MIT-WPU Merit Scholarship-I**
- 3. MIT-WPU Merit Scholarship-II**

*Terms and conditions:

- All Scholarships are awarded on a First-Come, First-Served basis.
- All Scholarships are awarded as fee adjustments.
- To maintain the scholarship throughout the programme, students must maintain a minimum academic score of 8 CGPA across all semesters, attendance of at least 80%, and a clean disciplinary record.



Scan QR Code for
More Information

Placements

Your Talent.
Our Network.



Highest Package
Rs. 17 Lakhs PA

The dedicated Placement Cell, which is the Centre for Industry-Academia Partnerships (CIAP) at MIT-WPU, opens doors to multiple career opportunities for graduates. With a consistent track record of high placements, the cell connects students with prestigious firms, providing career guidance and preparing them for the professional arena. Complementing this, the 6-months internship, from July to December, integrates classroom knowledge with hands-on experience. This mandatory programme propels students into professional ecosystems, providing practical insights crucial for their careers.

Our Top Recruiters



& many more...

International University Collaboration

MIT-WPU continues to foster, strengthen, and sustain global relationships. We extend intercultural networks for our students and strive towards global leadership. The initiatives include student and faculty exchange programmes, summer and winter programmes, research associations, and international immersions. We also offer semester-abroad programmes, project mentorship, extra credit programmes, and enriching intercultural activities. MIT-WPU has built partnerships with over 40 universities, including Imperial College London, Johns Hopkins University, Purdue University, among others.



LIFE @ MIT-WPU



100+ student clubs at MIT-WPU stand as a vibrant community within the academic hub. The clubs give students an extraordinary opportunity to engage in a wide array of activities, events and competitions for personal and professional growth.

Hostel

MIT-WPU offers fully equipped, cutting-edge hostel facilities to students, both on and off-campus, ensuring a comfortable and secure living environment. Students can choose between twin-sharing and triple-sharing rooms, all of which come with unlimited high-speed Wi-Fi and housekeeping services. Our hostels are overseen by full-time wardens, equipped with CCTV monitoring, and feature biometric-enabled entrances to prioritize safety.

- Live food counters with fresh, hygienic, nutritious meals in multiple cuisines.
- In-house laundry facilities for student convenience.
- On-call doctors and hospital tie-ups for emergencies.
- Recreation zones with dance/yoga rooms, gym, gaming area, hangout zones, and reading room.
- Dedicated transport between hostels and campus.
- Modern facilities with housekeeping and high-speed internet.
- 24x7 campus security with biometric entrances and round-the-clock wardens.



Degree++ Courses

LEARNING BEYOND CLASSROOM

A carefully curated set of experiential learning courses designed to foster the holistic development of our students.

FIRST YEAR

→ **Social Leadership Development Programme (SLDP)**

Necessary exposure and opportunities to become a change leader.

→ **Co-Creation**

Ability to work in multi-disciplinary teams on real world complex problems.

SECOND YEAR

→ **Research, Innovation, Design, and Entrepreneurship (R.I.D.E)**

Pathway to innovation and entrepreneurship

→ **Rural Immersion**

Understand the problems of Bharat and employ technical skills to benefit society.

→ **Life Transformation Center**

Journey of reflection and self-discovery

THIRD YEAR

→ **National Immersion Programme**

Exposure to and appreciation of academic, cultural and regional diversity

→ **Democracy, Leadership Governance & Public Policy**

Contribute to society using critical thinking and by embracing different viewpoints

About MIT-WPU

With a rich legacy of 43+ years in fostering world-class academic excellence and over 100,000 alumni across the globe, MIT-WPU is one of the premier centres of higher learning in India. Today over 25,000 students from diverse backgrounds across the world are experiencing 'life transforming curriculum' across a multitude of professional academic programmes.

Currently, students are pursuing education in over 150 programmes at MIT World Peace University. Located in the picturesque city of Pune, the MIT-WPU campus is surrounded by key civic infrastructure and sprawls over 65 acres of lush green campus.



MOHAMMED SADRIWALA
B.Tech Chemical Engineering

My journey in the B.Tech Chemical Engineering programme at MIT-WPU has been truly transformative. The curriculum combines core principles like fluid mechanics, heat and mass transfer, and reaction engineering with advanced topics such as green chemistry, biochemical engineering, IoT applications, and data analytics. The expert faculty seamlessly integrate theoretical knowledge with practical, hands-on training through state-of-the-art labs, industry-linked projects, and mandatory internships. The department's strong partnerships with over 1600 industry leaders ensure excellent placement assistance and real-world exposure. The extensive curriculum covering process modeling, sustainable energy, and modern chemical technologies has equipped me with the skills and confidence to excel in the fast-evolving chemical engineering industry and pursue diverse career opportunities.

Maharashtra & Goa:

8007042359
7030963287

Uttar Pradesh:

8007042264
9075038047

Madhya Pradesh:

9112228871

Rajasthan:

7030963285

Chattisgarh:

8605007435

Bihar:

7030963289

West Bengal & North East:

9075038051

Punjab:

9607132371

Jharkhand:

7030963288

Karnataka, Kerala:

8799949590

**Andhra Pradesh, Tamil Nadu,
Telangana, Puducherry:**

9145002073

**Gujarat, Dadra and Nagar
Haveli and Daman and Diu:**

7720061620

**Delhi, NCR, Haryana,
Jammu & Kashmir:**

7774023698

**Uttarakhand &
Himachal Pradesh:**

8380023757



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Call: +91 20 7117 7137
WhatsApp: +91 98814 92848 (Message only)
Email: admissions@mitwpu.edu.in
Website: mitwpu.edu.in
Address: MIT-WPU, Kothrud, Pune

APPLY ONLINE



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