

DEPARTMENT OF CHEMISTRY



Since 1983

Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

WHERE
CHEMICAL UNDERSTANDING
LEADS TO INDUSTRIAL
AND RESEARCH BREAKTHROUGHS



**ADMISSIONS
OPEN 2026**

School of Science and Environmental Studies

MIT-WPU's School of Science and Environmental Studies stands as a distinguished academic powerhouse, fostering scientific excellence through innovative interdisciplinary education. Our comprehensive departments—Mathematics and Statistics, Physics, Chemistry, Biosciences and Technology, and Environmental Studies—deliver transformative learning experiences that seamlessly integrate theoretical mastery with cutting-edge practical applications.

Distinguished faculty mentor students through immersive research opportunities, while strategic partnerships with leading corporations and NGOs provide unparalleled industry exposure. We cultivate visionary leaders equipped to drive scientific innovation and address global environmental challenges.

Department of Chemistry

The Department of Chemistry at MIT-WPU cultivates scientific excellence through transformative learning that seamlessly integrates theoretical mastery with hands-on laboratory experiences. Our distinguished faculty mentor students through cutting-edge research across diverse areas of chemistry, fostering innovation and discovery. We develop analytical minds capable of solving complex challenges while emphasising practical applications that benefit society.

Through rigorous scientific training and research immersion, we shape young minds who drive technological advancement and contribute meaningfully to scientific progress with expertise and purpose.



Key Highlights

- Distinguished faculty with teaching, research and industry experience
- Transformative learning experiences through comprehensive national and rural immersion programmes
- Industry connect through internship, on-job training, industrial visits, expert guest lectures, MoUs, seminars, and advanced chemistry workshops and conferences
- Dedicated mentorship culture fostering personalised guidance for academic growth
- Merit-based recognition programmes offering competitive scholarships to high-achieving students
- Strategic industry collaborations through dedicated partnerships and placement opportunities
- Worldwide professional network connecting students with accomplished alumni across diverse chemical industries facilitating international opportunities.
- Career Development Centre for enhancing soft skills through company-specific training, placement boot camp, mock assessment and more
- Comprehensive professional development through 100+ diverse student clubs spanning from technology to the arts
- Innovation and entrepreneurship support through MIT-WPU's Technology Business Incubator (TBI) ecosystem
- Hands-on research engagement on live projects, developing critical chemical investigation skills
- Guidance for Competitive exams such as CSIR-NET, GATE, SET by experts

Programmes Offered

UNDER GRADUATE PROGRAMME	B.Sc. Chemistry (Hons.)	Duration 🕒 4 Years*	Fee Per Annum ₹ ₹85,000
Specialisations available in Organic / Analytical / Polymer Chemistry			
<i>*Note: As per NEP 2020, students can exit the programme upon successful completion of the 3rd year (with a regular degree). In the fourth year, three specialisations are offered: Organic, Polymer and Analytical chemistry.</i>			
POST GRADUATE PROGRAMME	M.Sc. Chemistry	Duration 🕒 2Years	Fee Per Annum ₹ ₹1,10,000
Specialisations in Organic Chemistry and Industrial Polymer Chemistry			
PH.D PROGRAMME	Ph.D. in Chemistry	Visit the official website of MIT-WPU mitwpu.edu.in	

Program wise Elective Courses

Program	Semester	Track 1	Track 2	Track 3
B.Sc. Chemistry (Hons.)		Industrial Chemistry	Chemical Biology	Fine Chemicals and Pharmaceuticals
	Semester V	Textile Chemistry	Biorganic chemistry	Specialty chemicals
	Semester VI	Industrial Inorganic Chemistry	Bioinorganic chemistry	Medicinal Chemistry
	Semester VII	Paints and Surface Coatings	Natural Product Chemistry	Food Packaging Technology
	Semester VIII	Agrochemicals	Carbohydrate Chemistry	Perfumery and Cosmetics

		Advanced Organic Synthesis	Pharmaceutical Chemistry	Industrial Organic Chemistry
M.Sc. Chemistry (Organic Chemistry)	Semester I	Techniques in organic synthesis	Medicinal Chemistry	Bulk and fine organic chemicals
	Semester II	Reagents for organic synthesis	Chemistry of Natural Products	Polymers and plastics
	Semester III	Asymmetric synthesis	Molecular modelling for drug design	Industrial catalysis
	Semester IV	Green chemical synthesis	Pharmaceutical Analysis	Technology Transfer

		Polymer Applications	Polymer Engineering	Polymer Industries and Sustainability
M.Sc. Chemistry (Industrial Polymer Chemistry)	Semester I	Polymer Packaging	Fiber Technology	Sustainability and Biodegradable Polymers
	Semester II	Specialty Polymers	Polymer Additives & Compounding	Polymer Waste Management
	Semester III	Adhesive and Sealants	Polymer Blends and Composites	Rubber Compounding & Product Development
	Semester IV	Advanced Polymer Materials and Applications	Modeling and Simulations	Industrial Management, Entrepreneurship and Ethics

Eligibility & Selection Process

Programme	Eligibility Criteria	Selection Process
B.Sc. Chemistry (Hons.)	Minimum 50% aggregate marks in Class 10+2/ HSC or its equivalent examination in science stream with English subject (Minimum 45% aggregate marks for candidates belonging to the Reserved Category from Maharashtra State). OR Minimum 60% aggregate marks in any 3 years engineering diploma from state Government approved institution/board.	Admission will be based on the Personal Interaction (PI) score, conducted by MIT-WPU as per the prescribed schedule
M.Sc. Chemistry (M.Sc. Organic Chemistry and M.Sc. Industrial Polymer Chemistry)	Minimum 50% aggregate score in 3/4-year graduation degree in B.Sc. Chemistry/B.E./B. Tech from UGC-approved institution/university (Minimum 45% aggregate marks for candidates belonging to the Reserved Category from Maharashtra State).	Admission will be based on the Personal Interaction (PI) score, conducted by MIT-WPU as per the prescribed schedule

Note: MIT-WPU retains the right to make changes to any published schedule for the selection process.

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:

1. Scholarships are granted on a First Come First Serve basis.
2. Scholarships are awarded as fee adjustments.
3. 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
₹10 LPA

The Department of Chemistry along with 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 industries, providing career guidance and preparing them for the professional arena. Complementing this, the eight-week Summer Internship, from late April to mid-July and one semester mandatory industry internship, 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 Collabs

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 Deakin University, Macquarie University, Monash University, University of Vermont, Eastern Michigan University, and Virginia Commonwealth University, among others. The Department of Chemistry has collaboration with Pukyong National University, South Korea, Indiana University USA, Central European Institute of Technology, Czech Republic, Nottingham Trent University, UK, BITS Pilani, C-MET Pune and many more.



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

** Terms and conditions apply*

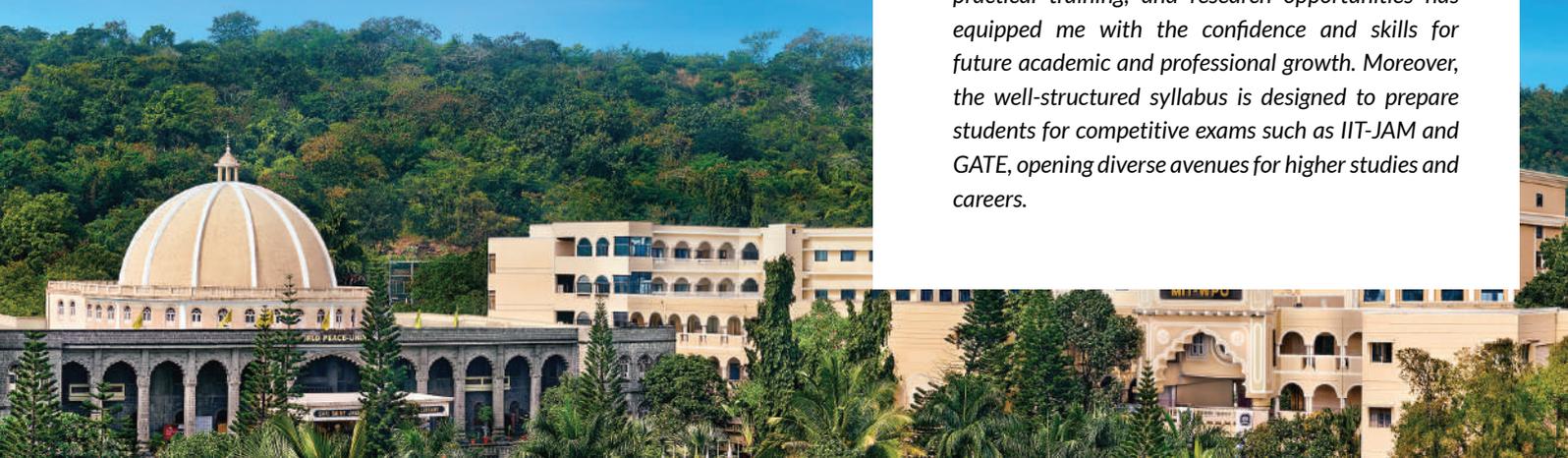
About MIT-WPU

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 a '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.



SREEJA RAMESH
B.Sc. Chemistry (Hons.)

Pursuing a B.Sc. (Hons.) in Chemistry at MIT-WPU has been a truly enriching journey. The curriculum builds a strong conceptual foundation through classroom learning while extensive laboratory work reinforces these concepts with hands-on experience. Project-based learning has further nurtured my curiosity and strengthened my problem-solving abilities. This blend of theoretical understanding, practical training, and research opportunities has equipped me with the confidence and skills for future academic and professional growth. Moreover, the well-structured syllabus is designed to prepare students for competitive exams such as IIT-JAM and GATE, opening diverse avenues for higher studies and careers.



Maharashtra, Goa:
8007042359,
7030963287

Rajasthan:
7030963285

West Bengal, North East:
9075038051

Bihar:
7030963289

**Delhi, NCR, Haryana,
Jammu & Kashmir:**
7774023698

**Uttarakhand, Himachal
Pradesh:**
8380023757

Uttar Pradesh:
8007042264,
9075038047

Chhattisgarh:
8605007435

Punjab:
9607132371

Jharkhand:
7030963288

Karnataka, Kerala :
8799949590

**Andhra Pradesh, Tamil
Nadu, Telangana,
Puducherry:**
9145002073

**Gujarat, Dadra and Nagar
Haveli and Daman and Diu:**
7720061620

Madhya Pradesh:
9112228871



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UNIVERSITY | PUNE**
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APPLY ONLINE



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