

DEPARTMENT OF BIOSCIENCES AND TECHNOLOGY



Since 1983

Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

WHERE
BIOLOGICAL INSIGHT
DRIVES SCIENTIFIC
AND INDUSTRIAL
INNOVATION



**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 national and international research institutions provide unparalleled industry exposure. We cultivate visionary leaders who are equipped to drive scientific innovation in healthcare, agriculture, and food, thereby addressing global environmental challenges.

Department of Biosciences and Technology

Our Department pioneers excellence in biosciences through industry-oriented programmes that seamlessly blend contemporary scientific knowledge with futuristic innovation. We cultivate inquisitive minds through state-of-the-art laboratories, including microbial culture, animal cell culture and tissue engineering, bioanalytical, plant biotechnology, cell and molecular biology, and bioinformatics facilities, enabling hands-on experiential learning. The department hosts the Revvity-MITWPU centre of excellence in Bioimaging Technologies and Innovation, which offers advanced, state-of-the-art imaging equipment, including confocal microscope, flow cytometer, and live animal imaging system.

Distinguished faculty members, renowned for their scholarly contributions, mentor students through self-directed learning, critical thinking, and problem-solving approaches. Through strategic industry partnerships, internships, and immersion programmes, we develop industry-ready professionals equipped to drive scientific innovation and contribute meaningfully to bioscience's transformative impact on human welfare.

Key Highlights

- **Global Alumni Network:** Over 25 years of excellence with graduates contributing to the development of biopharmaceutical and biotechnology industries and research institutions worldwide
- **Multidisciplinary Excellence:** Collaborative learning environment across diverse disciplines, fostering innovation through cross-functional teamwork
- **Student-Centred Pedagogy:** Dynamic learning approach featuring team teaching, project-based learning, case studies, and peer collaboration
- **Values-Based Education:** Developing bioscience professionals grounded in Indian values and holistic healthcare principles
- **Merit Recognition:** Comprehensive scholarship programmes supporting deserving students throughout their academic journey
- **Industry Partnerships:** Strategic MOUs with leading biotechnology and microbiology industries and academic institutions for research, consultancy, and curriculum development
- **Research-Driven Learning:** Student-driven research projects in frontier areas like applied microbiology, bioinformatics, synthetic biology, nanotechnology, stem cell technology, plant biotechnology
- **Advanced Infrastructure:** State-of-the-art laboratories equipped with cutting-edge instruments for hands-on learning
- **Experiential Learning Programmes:** Flagship DEGREE++ credit-based initiatives, including SLDP, RIDE, and NAIP, that add significant value beyond traditional curriculum

Programmes Offered

UNDER GRADUATE PROGRAMME

**Integrated M.Sc.
Biotechnology**

Duration
 **5 Years**

Fee Per Annum
 **₹1,50,000**

Specialization Tracks:

1. *Tissue Engineering and Stem Cell Technology*
2. *Clinical Research and Pharmacovigilance*
3. *Bioinformatics and Data Science*
4. *Agriculture and Food Technology*

POST GRADUATE PROGRAMME

**M.Sc.
Biotechnology**

Duration
 **2 Years**

Fee Per Annum
 **₹1,75,000**

Professional Electives:

1. *Bioinformatics and Omics*
2. *Medical Biotechnology and Diagnostics*
3. *Pharmaceutical Biotechnology*
4. *Sustainable Industrial Biotechnology*

**M.Sc.
Microbiology**

Duration
 **2 Years**

Fee Per Annum
 **₹1,50,000**

Professional Electives:

1. *Bioinformatics and Omics*
2. *Immunology and Microbial Diagnostics*
3. *Infectious Diseases and Public Health Policy*
4. *Industrial Microbiology and Sustainability*

Ph.D. PROGRAMME

**Ph.D. in
Biotechnology**

**Ph.D. in
Biochemistry**

**Ph.D. in
Microbiology**

Junior Research Fellowship for full time research scholars

Visit the official website of MIT-WPU
mitwpu.edu.in



Eligibility & Selection Process



Programme	Eligibility Criteria	Selection Process
Integrated M.Sc. Biotechnology	<p>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).</p> <p>OR</p> <p>Minimum 60% aggregate marks in a Diploma in Pharmacy from State Government approved Institution/ board.</p>	Admission will be based on the MIT-WPU CET 2026 Entrance Examination and the Personal Interaction (PI) score, conducted by MIT-WPU as per the prescribed schedule
M.Sc. Biotechnology	Minimum 50% aggregate marks in 3/4-year graduation degree in B.Sc. (Biotechnology, Biochemistry, Microbiology, Botany, Zoology, Life Sciences, Biomedical Sciences, Chemistry), B.Pharm., B.Sc. Agriculture, or B.Tech. (Biotechnology and related streams) from a UGC-approved institution/university or its equivalent (minimum 45% for candidates belonging to the Reserved Category from Maharashtra State).	Admission will be based on the MIT-WPU CET 2026 Entrance Examination and the Personal Interaction (PI) score, conducted by MIT-WPU as per the prescribed schedule.
M.Sc. Microbiology	Minimum 50% aggregate marks in 3/4-year graduation degree in B.Sc. (Biotechnology, Biochemistry, Microbiology, Botany, Zoology, Life Sciences, Biomedical Sciences, Chemistry), B.Pharm., B.Sc. Agriculture, or B.Tech. (Biotechnology and related streams) from a UGC-approved institution/university or its equivalent (minimum 45% for candidates belonging to the Reserved Category from Maharashtra State).	Admission will be based on the MIT-WPU CET 2026 Entrance Examination and 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
₹6.5 LPA

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 eight-week Summer Internship, from late April to mid-July, 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



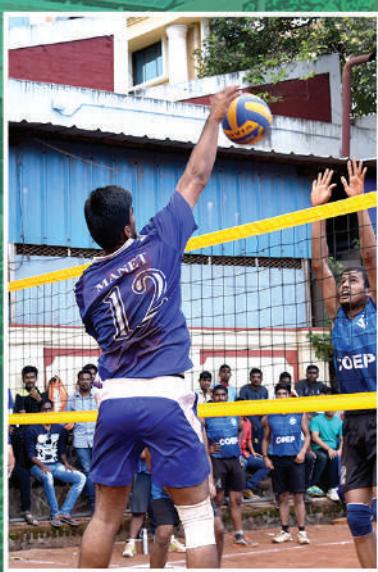
& many more...

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.



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 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.



SIDDHESH GAIKWAD
M.Sc. Microbiology

"I am thrilled to be a student at the Department of Biosciences & Technology at MIT-WPU. The industry-oriented curriculum, hands-on laboratory training, and research opportunities have sparked my curiosity and deepened my scientific skills. The expert faculty's guidance and support have been invaluable throughout my journey. Exposure to internships, industry visits, and immersive learning has truly prepared me for a dynamic career in biosciences and biotechnology. I feel confident and inspired to contribute innovative solutions in research, healthcare, and technology after my experience here."



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



Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY | PUNE**

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

Since 1983

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APPLY ONLINE



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