

DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING



Since 1983

Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

**ENABLING STUDENTS TO
ADVANCE INNOVATION THROUGH
MATERIAL INTELLIGENCE**



**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 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.

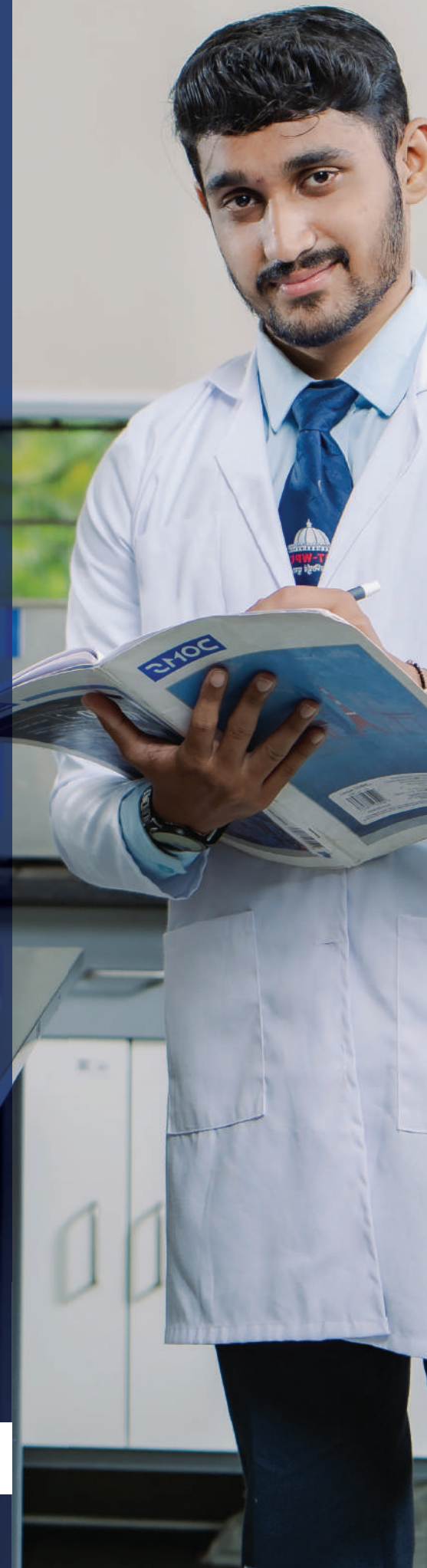
Department of Materials Science and Engineering

The Department of Materials Science and Engineering at MIT-WPU excels through its non-conventional interdisciplinary approach, developing globally recognised ethical professionals contributing to nation-building. Students master designing advanced materials, including metals, polymers, and ceramics, across diverse sectors from healthcare, automotive, agriculture, automation, Communication, electronics, and to sports. Through strategic industry partnerships with industries like Tata Autocomp Systems, Mahindra Composites, JSW, Kajaria, Bharat Forge, Reliance, Electronica, SKYI Composites, Bhansali Engineering, Faurecia, Supreme Polymers, and Indian Plastics Institute, students gain practical insights and industry exposure.

Students actively engage in interdisciplinary projects through project-based learning, with opportunities to collaborate across multiple industries and professional associations such as MRSI, IPI, SPE, RSDC, AIPMA, and others ensures practical expertise in emerging fields like advanced materials, nanomaterials, biomaterials, and more. The department strives to be a centre of academic excellence, collaborating across disciplines, fostering innovation-driven graduates equipped for transformative careers in materials engineering.

Students gain comprehensive exposure to advanced manufacturing and processing technologies, including Additive manufacturing (3D Printing), CNC/VMC Programming, Laser based Technologies, Advanced welding processes and manufacturing simulations, complemented by strong industry interaction and practical insights.

The department's faculty are actively engaged in externally funded research projects spanning nanomaterials, advance composites, biomaterials, and sustainable materials and technologies, fostering a strong research driven academic ecosystem.



Ranked in the
101-150 band by NIRF 2025

Times Engineering 2025 Rankings
Ranked 4th in the West Zone

Key Highlights

- **Innovation Labs:** Cutting-edge research facilities empowering entrepreneurial exploration and advanced material development
- **Research Excellence:** Funding of Rs. 3 crores secured in the last 3 years across composites, nanomaterials, and sustainable technology domains
- **Global Career Readiness:** Comprehensive curriculum preparing graduates for international opportunities in e-vehicles, renewable energy, and defence sectors
- **Distinguished Faculty:** Industry veterans and academic leaders providing rich interdisciplinary learning experiences
- **Guaranteed Internships:** 100% placement assistance ensuring practical industry exposure and hands-on expertise
- **Industry Network:** Access to 2000+ leading companies through campus recruitment and strategic partnerships
- **International Exposure:** Global immersion programmes fostering cross-cultural perspectives and worldwide networking opportunities
- **Expert Faculty:** Faculty of international and national repute, contributing 10% of academic instruction
- **Tech-driven Curriculum:** Advanced curriculum incorporating new-age tools, ensuring industry-ready professional competency

Programmes Offered

UNDER
GRADUATE
PROGRAMME

B.Tech
Material Science and Advance Manufacturing



Duration
4 Years

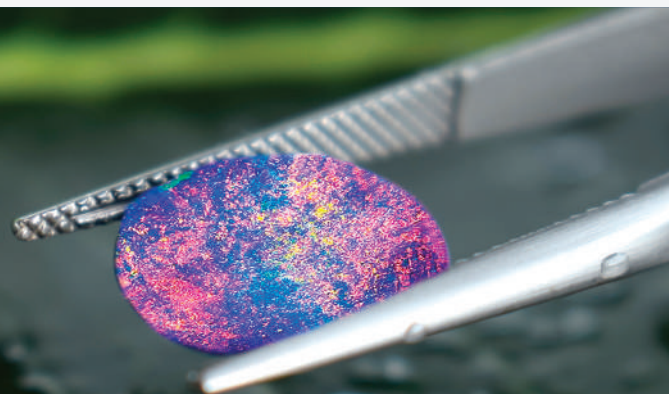


Fee Per Annum
₹3,00,000

Note*: For more details, visit the official website of MIT-WPU (mitwpu.edu.in)



Eligibility & Selection Process



Programme	Eligibility Criteria	Selection Process
B.Tech Material Science and Advance Manufacturing	<p>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:</p> <ul style="list-style-type: none">- 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). <p>OR</p> <p>A minimum 60% aggregate marks in a Diploma in Engineering & Technology in a relevant branch from a government-approved technical board.</p>	<p>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</p>

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.

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
₹17 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.

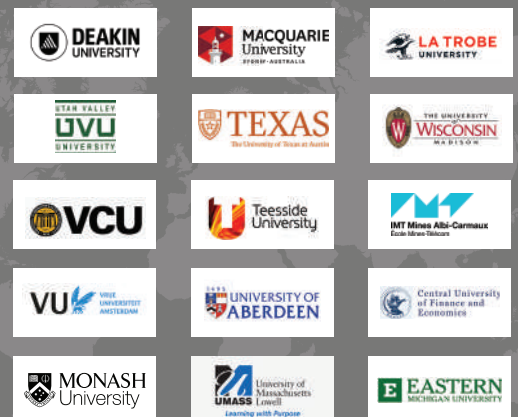
Our Top Recruiters



& 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

** Terms and conditions apply*

About MIT-WPU

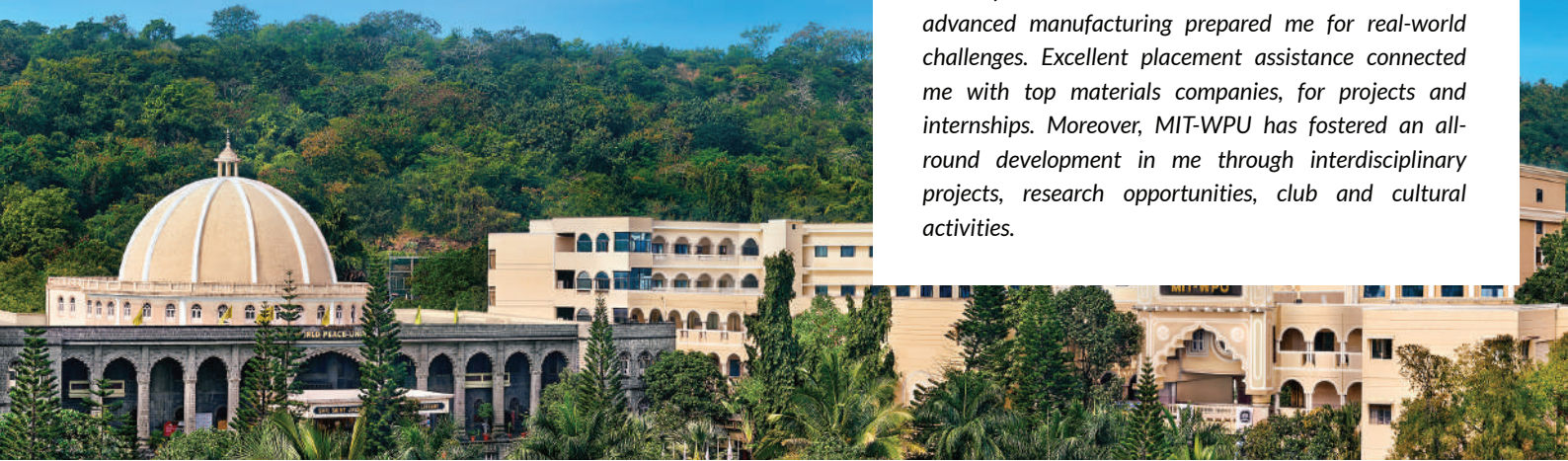
With a rich legacy of 43+ years in fostering world-class academic excellence and over 100,000 alumni across the globe, MIT-WPU is one of the premier centres of higher learning in India. Today over 25,000 students from diverse backgrounds across the world are experiencing a 'life-transforming curriculum'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



SOHAM JOSHI

B.Tech Materials Science and Engineering

My experience at MIT-WPU's Materials Science & Engineering Department exceeded all expectations. The advanced tracks in Nanotechnology, Biomaterials, and Energy Materials perfectly aligned with industry demands. Our distinguished faculty provided exceptional guidance while state-of-the-art research facilities enabled hands-on training with cutting-edge equipment. The department's focus on sustainable solutions and advanced manufacturing prepared me for real-world challenges. Excellent placement assistance connected me with top materials companies, for projects and internships. Moreover, MIT-WPU has fostered an all-round development in me through interdisciplinary projects, research opportunities, club and cultural activities.



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



Since 1983

Dr. Vishwanath Karad

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UNIVERSITY | PUNE**

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

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Website: mitwpu.edu.in

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APPLY ONLINE



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