

DEPARTMENT OF MATHEMATICS AND STATISTICS



Since 1983

Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

TRAINING MINDS
THAT POWER
DATA-DRIVEN
INDUSTRIES AND
RESEARCH.



**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, Biology, 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 Mathematics and Statistics

The Department of Mathematics and Statistics at the School of Science and Environmental Studies, MIT-WPU, stands as a pioneering academic hub—uniquely integrating rigorous quantitative disciplines with holistic wellness through peace studies and yoga. We cultivate analytical minds capable of scientific investigation and innovative problem-solving across diverse domains, from data analytics to mathematical modelling, while nurturing a balanced and ethical approach to learning and discovery.

Our comprehensive academic offerings include the B.Sc. in Applied Statistics and Data Analytics, M.Sc. in Mathematics and Data Science, M.Sc. in Applied Statistics, and a vibrant Ph.D. programmes. These are led by esteemed faculty who emphasise both technical excellence and personal growth, empowering students to become compassionate professionals poised to contribute meaningfully to society's advancement.

The department features state-of-the-art infrastructure, including a dedicated computer lab equipped with advanced software tools to support data-driven research and high-performance computation. We foster an engaging learning environment through the celebration of key academic events such as National Mathematics Day, Pi Day, and National Statistics Day. Additionally, students benefit from exposure to cutting-edge knowledge through trending workshops and seminars in Data Science, Artificial Intelligence, and Machine Learning—ensuring they are well-prepared for dynamic careers in both academia and industry.

Key Highlights

- **Expert Faculty Excellence:** Learn from distinguished researchers and industry veterans with proven academic expertise
- **Industry-Standard Technology:** Master cutting-edge tools, including R, Python, SQL, and advanced analytics platforms
- **Industry Leadership Connect:** Engage with top professionals through exclusive seminars and expert-led workshops
- **Future-Ready Curriculum:** Experience innovative learning through MOOCs, interdisciplinary studies, and skill-enhancement modules
- **Professional Pathway Programmes:** Access premium industry and teaching internships for real-world experience
- **Strategic Career Partnerships:** Leverage our dedicated CIAP centre for seamless internship and placement opportunities
- **Vibrant Campus Ecosystem:** Join 100+ dynamic student clubs fostering creativity, leadership, and diverse interests
- **Entrepreneurial Empowerment:** Transform innovative ideas into ventures through comprehensive Technology Business Incubator (TBI) support and mentoring
- **Global Exposure Programmes:** Participate in transformative rural, national, and international immersion experiences
- **Innovation Incubation:** Access funding, mentorship networks, and entrepreneurial guidance for startup success

Programmes Offered

UNDER GRADUATE PROGRAMME	B.Sc. Applied Statistics and Data Analytics (Hons.)	Duration 🕒 4 Years*	Fee Per Annum ₹ ₹1,10,000
POST GRADUATE PROGRAMMES	M.Sc. Mathematics and Data Science	Duration 🕒 2 Years	Fee Per Annum ₹ ₹1,10,000
	M.Sc. Applied Statistics	Duration 🕒 2 Years	Fee Per Annum ₹ ₹1,10,000
Ph.D PROGRAMMES	Ph.D. in Mathematics	Ph.D. in Statistics	

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

*Note: As per NEP 2020, students can exit the programme upon successful completion of the 3rd year (with a regular degree).

Elective Tracks

B.Sc. Applied Statistics and Data Analytics

	Track 1 (Data Analytics Tools)	Track 2 (Computational Mathematics)	Track 3 (Statistical Analysis)
Elective Basket (Sem-V)	Deep Learning	Real Analysis	Demography
Elective Basket (Sem-VI)	Data Analytics for Human Resource Management	Integral Transform	Statistical Computing Using R
Elective Basket (Sem-VII)	Business Analytics	Functions of Complex Variables	Sampling Design and Analysis
Elective Basket (Sem-VIII)	Structural Query Language (SQL)	Lattice Theory	Econometrics

M.Sc. Applied Statistics

	Track 1 (Data Science)	Track 2 (Biostatistics)	Track 3 (Financial Statistics)
Elective Basket (Sem-I)	Data Base Management System (DBMS)	Statistical Methods in Epidemiology	Financial Mathematics
Elective Basket (Sem-II)	Machine Learning	Statistical Methods in Genetics	Econometrics
Elective Basket (Sem-III)	Deep Learning	Clinical Trials	Actuarial Sciences
Elective Basket (Sem-IV)	Explanatory Analysis	Demography	Statistical Methods for Risk Modelling

M.Sc. Mathematics and Data Science

	Track 1 (Algebra & Optimisation Techniques)	Track 2 (Statistical Analysis)	Track 3 (AI & Data Visualization)
Elective Basket (Sem-I)	Group Theory	Computational Statistics	Numerical Methods
Elective Basket (Sem-II)	Ring Theory & Field Theory	Stochastics Processes	Data Visualization & Explanatory Analysis
Elective Basket (Sem-III)	Operations Research	Multivariate Analysis	Soft Computing
Elective Basket (Sem-IV)	Actuarial Mathematics	Time Series Analysis	Artificial Intelligence

Eligibility & Selection Process

Programme	Eligibility Criteria	Selection Process
B.Sc. Applied Statistics and Data Analytics (Hons.)	Minimum 50% aggregate marks in Class 10+2/ HSC or its equivalent examination with Mathematics or Mathematics & Statistics 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. Mathematics and Data Science	Minimum 50% aggregate marks in 3/4-year graduation degree in B. Sc. /B.Sc.(Hons) in Mathematics/ Statistics/ Data Science/ Machine Learning or equivalent degree or B.E./B.Tech./B.Sc. Agri/ B.Sc. Computer Science. Candidates with degrees other than B.Sc. Mathematics must have studied Mathematics as a regular subject in their undergraduate programme 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 Personal Interaction (PI) score, conducted by MIT-WPU as per the prescribed schedule
M.Sc. Applied Statistics	Minimum 50% aggregate marks in 3/4-year graduation degree in B. Sc. /B.Sc.(Hons) in Mathematics/ Statistics/ Data Science/ Machine Learning or equivalent degree or B.E./B.Tech./B.Sc. Agri/ B.Sc. Computer Science. Candidates with degrees other than B.Sc. Statistics must have studied Statistics as a regular subject in their undergraduate programme 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
₹13 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.



PRAJWAL THAKRE
M.Sc. Mathematics & Data Science

"I'm grateful for my transformative journey at MIT-WPU, where exceptional faculty fostered expertise in Linear Algebra, Analysis, Topology, Measure Theory, Numerical Methods, Statistics, and Machine Learning. Key achievements include the Best Outgoing Student Award, HRI's Summer Program, presenting on Neutrosophic Differential Calculus at the Indian Mathematical Society's 90th Conference, and the DST/INSPIRE Scholarship. These experiences enhanced my leadership and communication while developing proficiency in Python, C/C++, MATLAB, LaTeX, and Mathcad. I'm delighted to join PTC as an Associate QA Analyst, applying skills cultivated at MIT-WPU. This journey equipped me with confidence and technical expertise for professional excellence."



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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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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