

Dr. Vishwanath Karad
**MIT WORLD PEACE
UNIVERSITY** | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS



School of Science and
Environmental Studies

Department of Environmental Studies

A University For Student's
Life Transformation

2023 - 24

+ M.Sc Environmental
Science

REACH US @



MIT-WPU

With a rich legacy of 40 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 that offers over 150 programmes. The programmes are developed by leading Indian and international academics and focus on both theoretical and practical aspects. Students at MIT-WPU benefit from a hands-on learning approach, mentor-mentee relationships, internships, and immersion programmes that provide opportunities for real-world learning and personal growth.

School of Science and Environmental Studies

The MIT-WPU School of Science and Environmental Studies is a leading institution in India that is dedicated to providing students with an excellent education in the natural sciences. The school's Departments of Mathematics and Statistics, Physics, Chemistry, Biology and Environmental Studies offer undergraduate, postgraduate, and doctoral programs that are designed to provide students with a strong foundation in the fundamental concepts and principles of these disciplines.

The school's curriculum is designed to be both theoretical and practical, with a focus on hands-on learning through laboratory work, projects, and research opportunities. The faculty members are well-known academicians and corporate leaders who bring a wealth of experience and knowledge to the classroom, ensuring world-class standards of teaching and learning.

The school is also research-centric, with a strong emphasis on interdisciplinary and multidisciplinary research. This allows students to explore their interests and gain hands-on experience in cutting-edge research, and to acquire the academic, professional, and research skills required in today's workplaces.

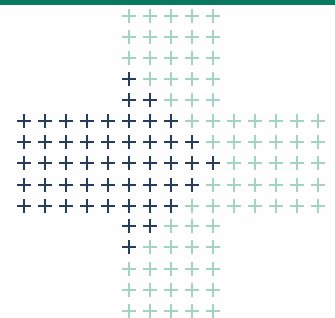
The MIT-WPU School of Science and Environmental Studies prepares students for successful careers in their chosen fields and to develop leaders who can drive innovation and growth in the scientific community.

MIT-WPU

Highlights

- Highly qualified, experienced, and research-active faculty
- Teaching methodology using a multidisciplinary approach
- Visits to industries, guest lectures, seminars, and workshops by eminent industry experts
- Fieldwork, national and international study tours provide opportunities for experiential learning
- Advanced laboratories that are state-of-the-art for students to gain hands-on experience in lab work activities
- Dedicated Centre for Industry-Academia partnerships to support students through internships and job placements with world-class organisations
- Strong alumni network across the globe
- Students benefit from a mentor-mentee system
- More than 100 student-led clubs catering to varied interests, from technology to drama
- Encouraging entrepreneurship in students through funding, mentoring, and network connection in MIT-WPU Pune Technology Business Incubator (TBI)
- Complete internship and job placement assistance
- Merit-based scholarship

WE LIVE
IN AN ERA OF
SCIENTIFIC
PROGRESS





Department of Environmental Science

The Department of Environmental Science aims at creating professionals of tomorrow who can contribute to making earth a better place by making the right choices and actively engaging in protection of the environment. The Department offers a postgraduate programme which is designed to instill a thorough understanding of the various sectors of environmental science and conservation in students. Through application-oriented pedagogies, multiple electives, guest lectures, skill-enhancing modules, career assistance sessions, seminars, workshops, national and international tours, and more, the course curriculum exposes students to experiential and collaborative learning as well as industry exposure.


The Department boasts of partnerships with government agencies and non-governmental organisations to provide internships and hands-on projects. In their second year, students gain industry and research experience through internships and research projects, preparing them for successful careers.



**Associate Dean's
Message**

Prof. Dr. Anup Kale



**School of Science and
Environmental Studies**



We welcome young minds to the School of Science and Environmental Studies at Dr. Vishwanath Karad MIT World Peace University (MIT-WPU). The number of career options available to the students of Environmental Studies have grown exponentially as technology and industries have advanced. From vast opportunities in research to opportunities in innovation and technology, environmental studies provides a dynamic work environment rich in specialisations and opportunities to explore. The faculty members at the Department of Environmental Science work hard to achieve the mission of imparting innovative skills and value-based quality education through academic excellence and research experience at leading institutions in India and abroad.

The various fields in Environmental Sciences are highly interdisciplinary and backbone of the environmental well being of any country. Various industries are in need of professionals in the field of environmental studies for a number of initiatives and projects. The MSc Environmental Science programme is a highly specialised and interdisciplinary programme which aims at developing students' skill sets and making them highly competitive and ready for the industry.

Understanding the industry and how to excel in it after earning a degree are critical components of future success. This is where we help our students improve their skills and domain knowledge. This has resulted in our students being placed in top companies with competitive salaries. At MIT-WPU, we lay the groundwork for you to grow and expand your understanding and knowledge in your career. We provide our students with industry internships as well as in-house research projects based on current industry and societal challenges. Our students publish research articles and present their work at international conferences on a regular basis. Furthermore, we train and mentor our students in the areas of innovation and entrepreneurship. This has resulted in successful university-sponsored projects in Hackathons, which have resulted in start-ups and patents.



M.Sc.

Environment Science

The M.Sc in Environmental Science programme at MIT-WPU is designed to prepare students for careers in environmental research and conservation, ecosystem management, societal development, and policy formulation. Students learn about evolutionary biology, biodiversity, climate change, natural resource management, environmental management, environmental biotechnology, socioecology, environmental acts, conservation biology, advanced statistics, industrial development & sustainability, environmental management planning, environmental impact assessment, life cycle analysis, and advanced RS-GIS. The programme includes skill-based courses in data analysis and analytics, remote sensing-geoinformatics (Rs-GIS), and hands-on training in software for Life Cycle Assessment (LCA), Environmental Impact Assessment (EIA), and Environmental Management Plan (EMP).



Duration- 2 years



Fees- ₹75,000 PA

ENVIRONMENT SCIENCE





Specializations

In their second year, students can choose between two specialisations:

1) Wildlife & Conservation- This course covers fundamental topics in conservation ecology and wildlife research methods, such as conservation planning, artificial intelligence for conservation, field sampling methods, and action research.

2)SDGs and Environmental Management Planning-

Covers key topics in the localisation of SDGs, CSR, and environmental management planning, such as green auditing, energy conservation, and CSR initiatives, among others.

Students can also select a 'General Track' of specialisation, which is a combination of modules from Tracks 1 and 2. The programme also provides a one-year exit option at the end of the first year, with the student receiving a Post-Graduate Diploma in Environmental Science.

The programme also includes soft-skill development courses such as science communication, project management, and entrepreneurship innovations, making it truly holistic.



**TRANSFORM
YOUR WORLD...**



Discovery by **MIT-WPU students**



On their expedition across the Western Ghats of Maharashtra, Arajush Payra, a PhD candidate at the Department of Sustainability Studies, MIT-WPU, and Ameya Deshpande, a student of M.Sc. Environmental Science, MIT-WPU, discovered two elusive dragonflies and damselflies, *Macromidia Donaldi* and *Merogomphus Longistigma*. The expedition was a part of a DST-SERB, Gol-funded project on endemic dragonflies of the Western Ghats. Dr. Pankaj Koparde, faculty at the Department of Sustainability Studies, guided the students. The discovery was published in the Web of Science journal *Revista de la Sociedad Entomológica Argentina*.



MIT-WPU





Career

Opportunities

- Environmental Consultants
- Environmental Scientists
- Project Coordinators
- Research Associates
- Environmental Journalists
- CSR / ESG Managers
- Wildlife Photographers / Filmmakers
- Environmental Journalists
- Environmental Photographers
- Professors and Lecturers
- Eco Entrepreneurs
- Carbon Analysts
- Sustainable Lifestyle Coaches

M.SC ENVIRONMENTAL SCIENCE



POWERING THE FUTURE

Testimonials



Sourav Dutta
M.Sc. Environmental Science

The MSc programme in Environmental Science offered at the Department of Environmental Studies, MIT-WPU has a multidisciplinary approach. The field and project-oriented teaching allow gaining knowledge through practical experiences which is certainly one of the most unique features of the programme.



Divyanshu Pawar
M.Sc. Environmental Science

MSc Environmental Science is a transdisciplinary programme offered at the Department of Environmental Studies and is one of the finest courses I have seen. My personal experience has been full of learning and exploring the course in this two year journey. I learnt through actually making projects, writing assignments and interacting with experts. I would highly recommend the programme to anyone who wants to learn in depth about Environmental Science.

ELIGIBILITY



- Minimum 50% aggregate score in 3/4-year graduation from UGC approved University or equivalent (at least 45% marks, in case of Backward class category candidate belonging to Maharashtra State only)
- The selection process for the programme is based on MIT-WPU CET PI 2023 score:

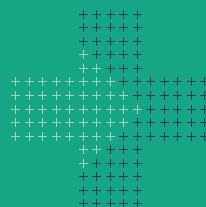
Personal Interaction Components:

- Overall Awareness of the subject
- Current affairs
- Interest of the student (Interview duration 10 minutes)



Internships

Experiential learning is an integral component of learning at MIT-WPU. The M.Sc in Environmental Science programme includes compulsory internships in the third and fourth semesters. This internship aims to provide a platform to integrate classroom knowledge with related practical applications and skills in a professional ecosystem. The students get a chance to access real-world practical learning that instill critical perspectives for rewarding future career pathways.





Placements

The Training and Placement Cell at MIT-WPU plays a crucial role in locating job opportunities for students who complete their M.Sc in Environmental Science by inviting reputed firms and industrial establishments for opportunities. MIT-WPU has been successful in maintaining high placement statistics over the years.

The Placement Cell organises career guidance programmes for all the students. The cell also arranges training programmes including Mock Interviews, Group Discussions, Communication Skills and multiple workshops.

Top Recruiters



POWERING THE FUTURE



Scholarships

MIT-WPU awards scholarships to its meritorious students based on their academic performance in requisite National/State Level Entrance Exam scores and in the MIT-WPU CET Examination, conducted by MIT-WPU, for the academic year 2023-24. These scholarships are valid for the duration of the programme*.

The categories of Merit Scholarships are:

- Dr. Vishwanath Karad Merit Scholarship
- MIT-WPU Merit Scholarships
- Scholarships to Elite Sportsperson
- Scholarship Awarded to the wards of MIT-WPU/ MAEER's staff members and Alumni

*Terms & Conditions apply:

All Scholarships are awarded on a First Come First Serve basis

All Scholarships are awarded as fee adjustments.



To continue the scholarship for the entire duration of the programme,

- a minimum level of the academic score has to be maintained at an 8.5 CGPA across all semesters
- attendance is to be maintained at a minimum of 80 percent
- there should be no disciplinary action against the student.

For more detailed information visit our website: www.mitwpu.edu.in/Admissions

M.Sc. Environment Science Programme						
Scholarship for AY 2023-24	Dr. Vishwanath Karad Scholarship (100%)		MIT-WPU Scholarship I (50%)		MIT-WPU Scholarship II (25%)	
Name of programme / Specialisation	Graduation Marks	XII Score	Graduation Marks	XII Score	Graduation Marks	XII Score
M.Sc. Environment Science	90 & Above	85 & Above	86 & Above	81 & Above	84 & Above	79 & Above

Life at Campus

Rural Immersion Programme

MIT-WPU's rural immersion programme is a unique educational opportunity that helps students understand and address the challenges faced by rural communities. During the programme, students visit a village and learn about the local culture, community, and landscape. They work on various projects, such as optimising irrigation systems, conserving and storing water, recycling waste, and using solar power, to improve the rural environment. This hands-on, real-life learning experience helps students develop critical thinking, problem-solving, and community awareness skills. It also helps them gain a deeper understanding of rural society and how their knowledge can lead to innovative solutions. Through these programmes, students learn how to bridge the gap between urban and rural areas in India.





R.I.D.E.

R.I.D.E is an yearly national conclave hosted by the Innovation Club of MIT-WPU to expand the horizons of education beyond academics and open the pathway for students towards entrepreneurship. The conclave is meant to expose students to the emerging research, entrepreneurship, design thinking and innovation in various fields. The five day conclave witnesses a footfall of ten thousand students and showcases over a hundred start-ups from various sectors including technology, design, healthcare, agri-tech, sustainable energy and retail. More than fifty experts from the venture capital industry address students about the changing face of start-ups, innovations and the evolving market trends to encourage out-of-the-box thinking by simulating a real-world start-up environment.





INDIAN STUDENT PARLIAMENT

**Largest Classroom of India
to evolve Future Political Leadership**



MIT-WPU's flagship social initiative and brainchild of Shri. Rahul V. Karad, the Bharatiya Chhatra Sansad (BCS) is an yearly national event which aims to regenerate youth's interest in the country's political system, governance and administration. This non-political platform aims at sensitising the youth to the changing social and political landscape of the country through debates, discussions, addresses from eminent personalities including the chief ministers and governors of various Indian states, union ministers and members of the parliament. The BCS is also a platform to honour many young sarpanchs, local leaders, and social workers who have brought about a positive change in their localities and the lives of the people. The Sansad witnesses the participation of students from around 25000 colleges in India.

**Established in 2011
Brainchild of Rahul V. Karad
(Executive President - MIT-WPU)**

**Participation of
450 Universities and
over 12,000 students
all over India**

In Association with



Organized By



Bharatiya Chhatra Sansad
Foundation

Supported by





Other Events at MIT-WPU

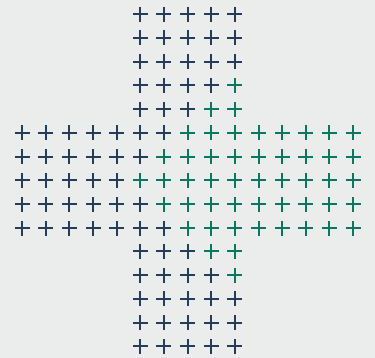
MIT-WPU is known for its dynamic and engaging academic and extracurricular events, which provide students with numerous opportunities to learn, grow, and get involved in their community. In addition to the well-known events R.I.D.E. and BCS, there are over 100 student-led events that take place at the university throughout the year. These events cover a wide range of interests and topics, from cultural festivals and guest lectures to community service projects and sporting events. By participating in these events, students can gain valuable skills, make new connections, and become more active and engaged members of the MIT-WPU community. Some of the events are as follows:

- Design Xpo
 - Aarohan
 - Kala Mehfil
 - Hackathon
 - National Conference on Media and Journalism
 - Abhivyakti
 - TEXEPHYR
 - Tesla
 - Techogenesis
 - RoboCon
 - Science Expo
 - Social Leadership Development Program (SLDP)
 - World Parliament of Science, Religion and Philosophy
 - Bharat Asmita National Awards
 - National Women's Parliament
 - International Symposium on Law and Peace
 - Vidhi-Manthan
 - Peace Marathon
 - Sports Summit
-and many more





Students' Clubs at MIT-WPU



MIT-WPU is home to a diverse and active student community, with a wide range of clubs and organisations catering to a variety of interests and passions. These student-led clubs provide opportunities for students to get involved, make new connections, and develop their leadership skills.

Majorly, there are 5 categories of clubs at MIT-WPU; cultural, social, sports, co-curricular and NCC/NSS clubs which provide students with opportunities to learn about and explore their specific areas of interest.

Some examples of clubs at MIT-WPU include:

- The Innovation Club, which hosts events and workshops related to entrepreneurship and innovation
- The Art and Photography Club, which brings together students with a shared interest in artistic expression
- The Sports Club, which organises sporting events and activities for students to participate in
- The Cultural Club, which celebrates the diversity of the MIT-WPU community and promotes cultural exchange
- Aatman - It is the only Mental Health Club of MIT-WPU, Pune, that is led by the students of the Psychology department.
- Team Dart - Team DART is a motorsports team of MIT World Peace University which annually participates in a competition named Rally Car Design Challenge (RCDC) organized by professional industry sponsors

By joining a club or team, students learn to make the most of their time while engaging their mind and developing their skills, making meaningful contributions to the community at large. These clubs also participate in national and international competitions and have won various awards, ranks and recognition on numerous platforms.



Peace Studies

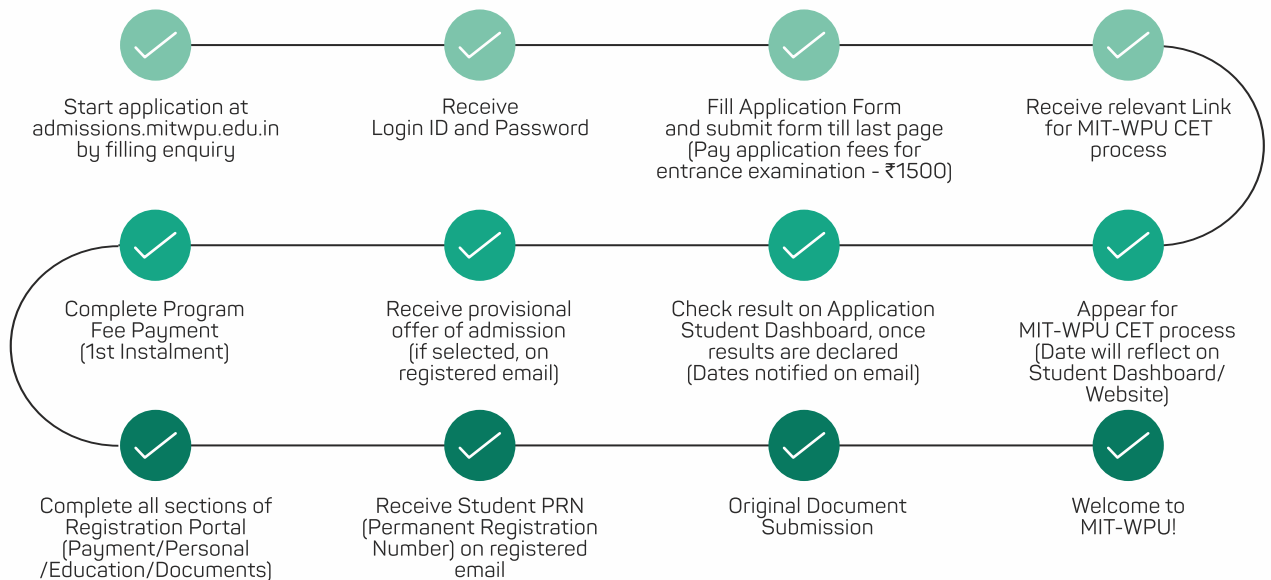
The mandatory peace studies module at MIT-WPU aims to provide students with a holistic education that integrates various disciplines for their personal development. Through this module, students gain a greater understanding of the interconnectedness and interdependence of mind, matter, spirit, and consciousness. They also learn about the critical spiritual laws that can help them develop a scientific temperament and a spirit of inquiry, as well as a sense of humanism.

In addition, the peace studies module introduces students to various yoga practices that help them develop their information base and cognitive abilities, as well as their critical thinking skills and personality. Upon completing the course, students will have a better understanding of how elevated consciousness can positively impact human behaviour and contribute to a happier, healthier, more peaceful, and empowered world. Overall, the peace studies module aims to equip students with the knowledge and tools they need to become more conscious, compassionate, and responsible global citizens.





Admission Process



Dr. Vishwanath Karad
MIT WORLD PEACE UNIVERSITY | PUNE
 TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

Call
 WhatsApp-only
 Email
 Website
 Address

+91-20-71177104 / 37
 +91-9881492848
admissions@mitwpu.edu.in
admissions.mitwpu.edu.in
 MIT-WPU, Kothrud, Pune

Apply online



Disclaimer: This brochure provides general information about the programs. Dr. Vishwanath Karad MIT World Peace University, Pune (MIT-WPU) reserves the right to revoke, modify, add or delete one or more of the terms and conditions outlined in the brochure. MIT-WPU reserves the right to amend the provisions of the program, eligibility, admission & scholarships without notification & as deemed fit / appropriate due to any changed circumstances.