



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



Department of Mathematics

Education as it should be
For Mind, Body and Soul

2023 - 24

- + B.Sc. Applied Statistics and Data Analytics
- + B.Sc. Computational Mathematics and Statistics
- + M.Sc. (Mathematics)
- + M.Sc. (Statistics)
- + Doctor of Philosophy in Mathematics

REACH US @



Introduction

MIT-WPU

The Department of Mathematics at MIT-WPU (MIT World Peace University) is known for its rigorous academic programmes and distinguished faculty. Located in Pune, the department offers a variety of undergraduate and graduate degree programs in mathematics, including a Bachelor of Science in Mathematics and a Master of Science in Applied Mathematics.

Students in the department have access to a wide range of courses that cover a variety of mathematical subjects, including algebra, analysis, geometry, topology, and more. The department also has a strong focus on applied mathematics, with course offerings in areas such as mathematical modeling, numerical analysis, and scientific computing.

MIT-WPU

Highlights

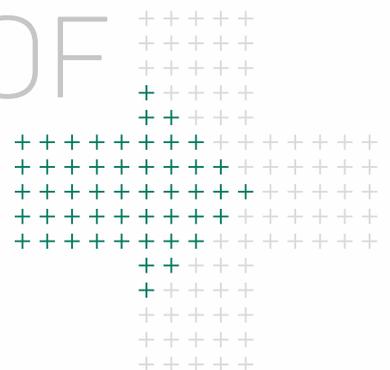
- Highly qualified faculty, with a strong track record of research and publication
- Workshops for hands-on experience in software such as R, SAS, Python, HADOOP, SQL, SPSS
- Guest lectures, seminars, and workshops by eminent corporate leaders
- MOOCs, skill enhancement and interdisciplinary courses for holistic development
- Industry and Teaching Internship.
- Dedicated Centre for Industry-Academia Partnerships to support students for internships and job placements.
- MIT Pune Technology Business Incubator (TBI) to support early-stage entrepreneurs, and students through funding, mentoring, and network connection
- Rural, National and International immersion programmes

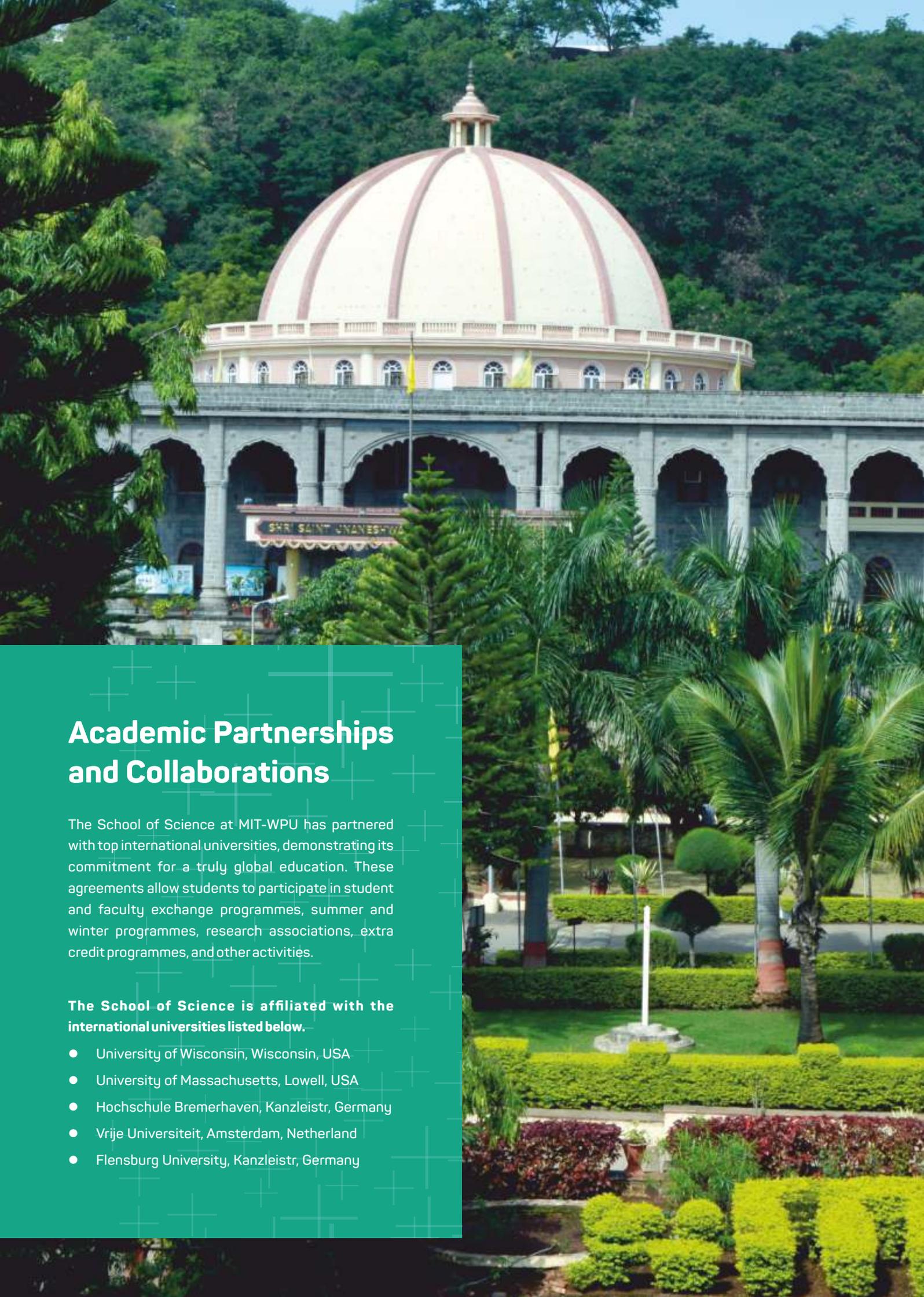
WE LIVE

IN AN ERA OF

CREATIVE

PROGRESS





Academic Partnerships and Collaborations

The School of Science at MIT-WPU has partnered with top international universities, demonstrating its commitment for a truly global education. These agreements allow students to participate in student and faculty exchange programmes, summer and winter programmes, research associations, extra credit programmes, and other activities.

The School of Science is affiliated with the international universities listed below.

- University of Wisconsin, Wisconsin, USA
- University of Massachusetts, Lowell, USA
- Hochschule Bremerhaven, Kanzleistr, Germany
- Vrije Universiteit, Amsterdam, Netherland
- Flensburg University, Kanzleistr, Germany



**Dean
Message**

Dr. Shubhalaxmi Joshi

**Associate Dean,
School of Science**



It gives me immense pleasure to welcome you to Dr. Vishwanath Karad MIT World Peace University. At the faculty of science, the Curriculum is a unique blend of science and spirituality and hence our Departments provide exceptional graduate and undergraduate education. Keeping in mind the rapidly evolving digital world around you, we have made sure to design and deliver quality programmes that would enhance your technical knowledge, and industry-specific expertise and encourage your personal transformation. All our faculty is committed to teaching, in the context of applications that are important for careers in any sector of society.

The faculty of science is striving hard toward the mission of imparting innovative skills and value-based quality education through academic excellence which provides a platform for the students to achieve their career goals. This can be achieved only when you all take on the responsibility of fully focusing on engaging in the learning process while investing all efforts and time to be an innovative and creative thinker.

As the curriculum of different programs under the faculty of science is blended with technology, you will get an opportunity to work in information technology and software development as well as other fields like genomics, medicine, robotics, finance, operations management, e-commerce, web technologies, and environmental technology. Considering this aspect, the students are being encouraged to pursue internships which are important for a successful entry into the job market after graduation.

As the Science stream is so integral to our world, the demand for science graduates is high and is likely to remain so for a long time. Our placement page lists much that we are proud of keeping up with our faculty and students who routinely outperform academic standards; we hope you will join our vibrant community.

I look forward to working with you all – Welcome to MIT-WPU!



B.Sc.

Applied Statistics and Data Analytics

The B.Sc in Applied Statistics and Data Analytics at MIT-WPU focuses on the application of statistical methods and techniques to the analysis and interpretation of data. It combines coursework in statistics and data analytics with hands-on experience analyzing real data sets.

Students in this programme learn about statistical concepts such as probability, statistical inference, and regression analysis, as well as methods for data visualization, machine learning, and data mining. They also learn about statistical software and programming languages such as R or Python, and gain experience using these tools to analyze data.

Graduates of a B.Sc in Applied Statistics and Data Analytics programme are prepared for careers in fields such as market research, data science, business analytics, or public policy analysis, where they apply their skills to solve real-world problems and make data-driven decisions. They may also be well-prepared for graduate study in statistics, data science, or related fields.



Duration - 3 years



Fees - 75,000 PA

APPLIED STATISTICS AND DATA ANALYTICS



B.Sc.



Computational Mathematics and Statistics

A B.Sc in Computational Mathematics and Statistics at MIT-WPU is a multidisciplinary degree that combines elements of Applied Mathematics, Statistics, and Computer Science. This programme provides students with a strong foundation in a range of mathematical and statistical concepts, as well as programming and software engineering skills. These skills can be applied in fundamental research, software development, and mathematical modeling in real-life simulations.

Graduates of a B.Sc in Computational Mathematics and Statistics program are trained for careers in data science and artificial intelligence, as these fields often require a combination of strong analytical and technical skills. Such a degree can also provide a good foundation for graduate study in mathematics, statistics, computer science, or related fields.



Duration - 3 years



Fees - 75,000 PA



**TRANSFORM
YOUR WORLD...**

M.Sc.

Mathematics

The MSc Mathematics programme at MIT-WPU is a highly applied, multidisciplinary degree that combines elements of pure and applied mathematics, statistics, and computer science. The programme provides students with a strong foundation in mathematical concepts and techniques, as well as the skills and knowledge needed to design and develop software applications.

The programme also prepares students for research roles in academia and industry, as well as for careers in fundamental research. This involves coursework in topics such as mathematical modeling, data analysis, and programming, as well as hands-on experience working on research projects or internships.



Duration - 2 years



Fees - 75,000 PA

M.Sc.

Statistics

The Master of Science (Statistics) programme at MIT-WPU is a full-time, two-year programme that focuses on the application of statistical tools and techniques to real-world problems. It emphasises on the development of skills in algorithms, design, and problem-solving, as well as a detailed understanding of numerical and graphical data summaries.

The programme also includes topics such as statistical modeling, data analysis, and programming, as well as hands-on experience working on projects or internships that apply these skills to real-world problems. In addition to developing technical skills, the program focuses on developing relevant soft skills that are needed in the industry, such as communication, teamwork, and project management.



Duration - 3 years



Fees - 75,000 PA



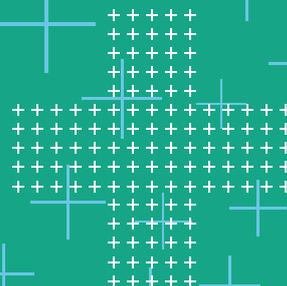


Career options

Content Writers, Academicians, Researchers, Copywriters, Editors, Proofreaders, Journalists & PR Manager, Social Media Professionals, Advertising Professionals, Educational Consultants, Academic Content Developer etc.

Career options

Through its student organization 'Writer's Web', the Department provides students with a platform to express themselves, learn from peers, and interact with renowned writers and film industry stalwarts. Furthermore, activities such as creative writing workshops, open mic nights, manuscript readings, and so on ensure that students develop holistically.





Ph.D

Mathematics

The Doctorate programme in Mathematics at MIT-WPU is a highly research-intensive programme that provides students with excellent facilities and expert guidance to support their research endeavors. The programme has a strong focus on interdisciplinary research and encourages students to pursue innovative and entrepreneurial ideas in their chosen areas of study.

The programme includes common courses in the first six months to help students build scientific aptitude and optimise their research output. It supports the building of researcher networks and the development and successful execution of PhD project plans, and aims to provide students with a broad base of knowledge and expertise for their future careers.

The faculty at the Department of Mathematics & Statistics at MIT-WPU have a strong track record of research and publication in a variety of areas, including topology, clinical trials, research methodology, graph theory, matroid theory, combinatorics, discrete mathematics, lattice theory, Bayesian inference, quantile regression, and statistical genetics. This diversity of research interests suggests that the Doctorate program in Mathematics at MIT-WPU may provide students with a wide range of research opportunities and support for their studies.

Salient Features

- Qualified and experienced faculty members
- Individualized support and opportunities from peers
- Introduction to new ideas and approaches toward interdisciplinary research
- A rich library with access to extensive online resources for research purposes
- Support for participation in national and international conferences

DOCTOR OF PHILOSOPHY



Testimonials



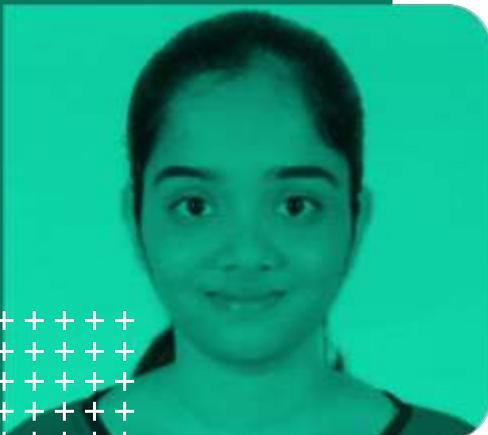
Priya Jangid
MSc Mathematics

Being a student of MSc Mathematics, I like the fact that the instructors are very friendly and supportive here. The faculty and management are both very helpful and flexible enough to catch up with students to solve problems. This is the right reason to be here. For me, it has been a wonderful journey from theoretical learning to practicality.



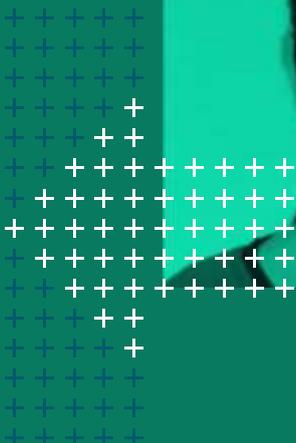
Viraj Sonar
MSc Statistics

"All faculties are highly qualified and supportive. The placement process went so smoothly that almost all my classmates are placed for internships as well as for Full-time employment in well-known organisations. My overall experience at MIT-WPU was too joyful and explorative at the same time. It helped me to grow as an individual and helped me to find inner strengths."



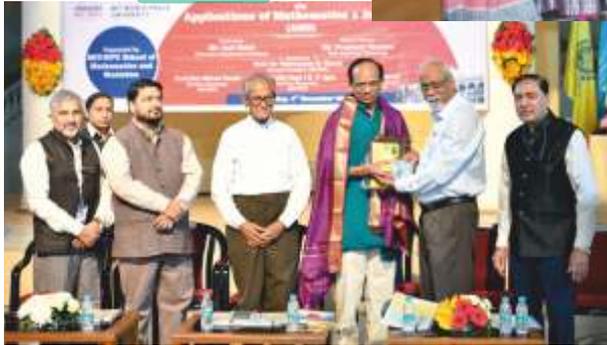
Falguni Dharmiks
MSc Statistics

"The best thing about the University was the supportive environment, where everyone is focused, helps each other and you are encouraged to succeed as individuals. The teachers and mentors are helpful and helped me to improve my academic and interpersonal skills. My M.Sc. at MIT-WPU brought clarity of thought, knowledge, confidence, courage and conviction in me and my goals."

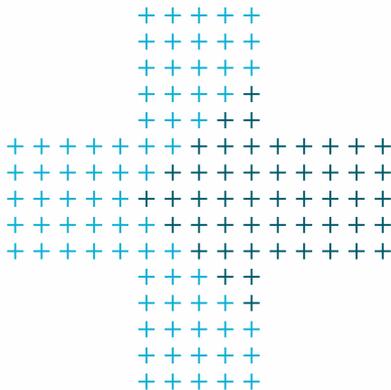


EVENT

Round Table Conference on Applications of Mathematics and Statistics - Wednesday, December 04, 2019



Computational Mathematical Symposium Wednesday, March 04, 2020



ELIGIBILITY

Undergraduate Programmes

55% & above aggregate score in 10+2 or in equivalent examination with Physics, Chemistry, English & Mathematics subject (at least 50 % marks, in case of Backward class categories candidates belonging to Maharashtra State only)

Postgraduate Programmes

- 50% in Graduation in any stream from UGC approved Institution (at least 45 % marks, in case of Backward class categories candidates belonging to Maharashtra State only)
- Valid MIT-WPU CET Score

Scholarship

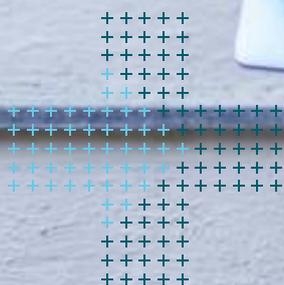
MIT-WPU awards scholarships to deserving students based on their academic performance, requisite National Level Tests scores, and performance in the MIT-WPU internal test- MIT-WPU CET for the academic year 2023-24. These scholarships are valid for the duration of the programme.

The categories of Merit Scholarships are

- Dr. Vishwanath Karad Merit Scholarship AY 2023-24
- MIT-WPU Merit Scholarship AY 2023-24
- Scholarships to Elite Sports person AY 2023-24
- Scholarship Awarded to Wards of MIT-WPU/ MAER's Staff Members

For more information visit

<https://admissions.mitwpu.edu.in/scholarship/>





Internship

Experiential learning is an integral component of learning at MIT-WPU. The students get an opportunity to apply their knowledge through a mandatory 4-6 weeks internship incorporated within their undergraduate and postgraduate degrees. These internships aim 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 undergraduate and postgraduate programmes by inviting reputed firms and organizations looking for adept professionals. MIT-WPU has been successful in maintaining high placement statistics over the years.

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

Top Recruiters



Life at Campus



MIT-WPU ensures that the campus, course curriculums, and activities enhance a student's learning experience and make them physically fit, mentally sharp, and spiritually elevated



Admission Process



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

Call
WhatsApp-only
Email
Website
Address

+91-20-71177104
+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.