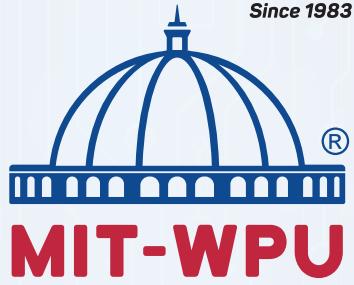


Since 1983



॥ विश्वान्तर्धर्वं ध्रुवा ॥

# School of Computer Science & Engineering

The Department of Computer  
Science and Applications



**ADMISSIONS  
2025**



[mitwpu.edu.in](http://mitwpu.edu.in)

# MIT-WPU

## FUELING TECH INNOVATION IN EVERY STUDENT

**MIT World Peace University (MIT-WPU)** is a prestigious world-class institution for higher education in India, boasting a remarkable 40+ year legacy dedicated to fostering academic excellence. With a global alumni network comprising 100,000+ professionals, MIT-WPU has consistently delivered outstanding educational outcomes. The institution offers over 150 undergraduate and postgraduate programmes that are thoughtfully designed to strike a balance between theoretical foundations and practical application. The pedagogical approach prioritises experiential learning, empowering students to translate knowledge into real-world skills. This is facilitated through immersive internships and invaluable mentor-mentee insights that serve as catalysts for personal and professional growth.



Times Engineering 2024  
20<sup>th</sup> among Top Engineering Institutes in India,  
Top 5 University in the West Region



NIRF 2024  
NIRF 72<sup>nd</sup> in Pharmacy Institutes Engineering (Rank-band: 101-150)



Times B-School 2024  
13<sup>th</sup> in Top 100 B-Schools  
5<sup>th</sup> in Top 40 Private University  
5<sup>th</sup> in Top 20 Western Region B-Schools  
26<sup>th</sup> in Top 50 B-Schools Placements

**100,000+**  
Alumni Globally

**1600+**  
Companies visited the Campus

**Research & Innovation Labs**  
for Budding Entrepreneurs

**150+** Future-ready Programmes      **240+** Laboratories

**100%** Internship Assistance      **108+** Patents granted

**2000+** Scholarships Awarded Annually

International, National & Rural Immersion programmes

**24,000**  
On-Campus Students Coming From 28 States

International Students Coming from **45 countries**

**MIT-WPU TBI** (Technical Business Incubator) for Budding Entrepreneurs

# Computer Science at **MIT-WPU**

## Preparing Future Leaders

The degree programmes under the department of Computer Science and Applications at MIT-WPU integrate a diverse array of scientific disciplines, encompassing foundational principles and cutting-edge innovations. It offers a rigorous educational experience guided by accomplished researchers and industry leaders, supported by state-of-the-art facilities and labs. This holistic approach fosters a hands-on, interdisciplinary learning environment that prepares students for success in the dynamic field of science and technology.

Unique to our programmes is its emphasis on practical application and real-world problem-solving, providing students with opportunities to engage in industry collaborations, internships, and research projects. Our curriculum is designed to nurture creativity and critical thinking, equipping graduates with the skills to innovate and adapt to scientific advancements.

Our commitment to holistic development ensures that alongside technical expertise, students cultivate essential skills in teamwork, communication, and ethical decision-making. This comprehensive approach not only prepares graduates for immediate professional challenges but also empowers them to lead and shape the future of science and technology.



## Undergraduate Programmes

- › B.Sc. Computer Science
- › B.Sc. Data Science and Big Data Analytics
- › BCA Science

## Postgraduate Programmes

- › M.Sc. Computer Science
- › M.Sc. Data Science and Big Data Analytics
- › M.Sc. Blockchain Technology
- › MCA

## Ph.D. Programmes

- › Ph.D. in Computer Science

# TOP REASONS

To Learn Computer Science and Applications at MIT-WPU

## Industry-Relevant Curriculum

Our curriculum, crafted with industry leaders, ensures students gain skills directly applicable to today's tech-driven workplace.

## Cutting-Edge Research Opportunities

Students work with state-of-the-art research facilities and esteemed faculty on projects in AI, cybersecurity, and data science.

## Hands-On Learning

Internships, co-op programs, and project-based courses help students develop problem-solving skills and tackle real-world challenges.

## Supportive Community

Our department fosters collaboration and innovation, with faculty providing mentorship and encouraging academic excellence.

## Career Preparation

Dedicated career services and networking events, including resume workshops and job fairs, equip students for successful careers in the tech industry.

## Renowned Industry Leaders

Faculty lead research in machine learning, blockchain, and more, offering students exposure to the latest advancements and impactful research opportunities.

## Cutting-Edge Research Pioneers

Gain insights from faculty members of international and national repute, contributing 10% of academic instruction.

## Global Thought Leaders

Faculty are global thought leaders, contributing to academic discourse and collaborating worldwide, enriching our academic community.

## Cross-Disciplinary Expertise

Faculty expertise spans bioinformatics, robotics, and more, preparing students to address complex, interdisciplinary challenges.

## Mentors and Role Models

Faculty serve as mentors, providing individualised support and guidance, inspiring students to excel in computer science and beyond.



# School of Computer Science & Engineering

*The School of Computer Science and Engineering at MIT-WPU epitomises technological excellence and academic distinction. Our innovative curriculum and cutting-edge facilities serve as the breeding ground for the next generation of computer scientists and engineering leaders.*

*Our faculty, comprising industry leaders and renowned educators, provide real-world insights in software development, system design, machine learning, and cybersecurity. We prioritise experiential learning, offering immersive opportunities, internships, and research initiatives that enhance your practical skills and knowledge.*

*As a student at MIT-WPU, you will engage in hands-on learning that prepares you for success in the dynamic field of computer science. The School of Computer Science and Engineering at MIT-WPU is your gateway to achieving your aspirations and excelling in the ever-evolving tech landscape.*



# Dean's Message

Dear Students and Parents,

The technological landscape has undergone rapid evolution, particularly in recent decades. The once-dominant wave of the internet in the nineties has now given way to a new era marked by transformative technologies such as AI-ML, Data Science, IoT, Big Data, Smart Cities, Robotics, Industry 5.0, Cyber Security, Blockchain, and more. From industry demands to entrepreneurial ventures and research endeavours, the escalating significance of software and applications in virtually every sphere underscores the pressing need for a vast cohort of adept professionals in these domains. Consequently, computer scientists, engineers, and technologists must continuously refine their skills, stay abreast of current trends, and adopt a forward-thinking approach. As educators, we must position ourselves at the vanguard of technology. This entails staying updated with the latest advancements in our respective fields and, potentially, contributing to the progression of these domains.

The encouraging news is that in various emerging technology sectors, Bharat stands shoulder to shoulder with developed nations, presenting immense opportunities. However, this parity demands a continuous evolution of our pedagogical approaches, programs, curriculum, courses, and syllabi. By integrating experiential learning, industry projects, and profound theoretical understanding, we can best equip ourselves to confront future challenges while nurturing a culture of innovation.

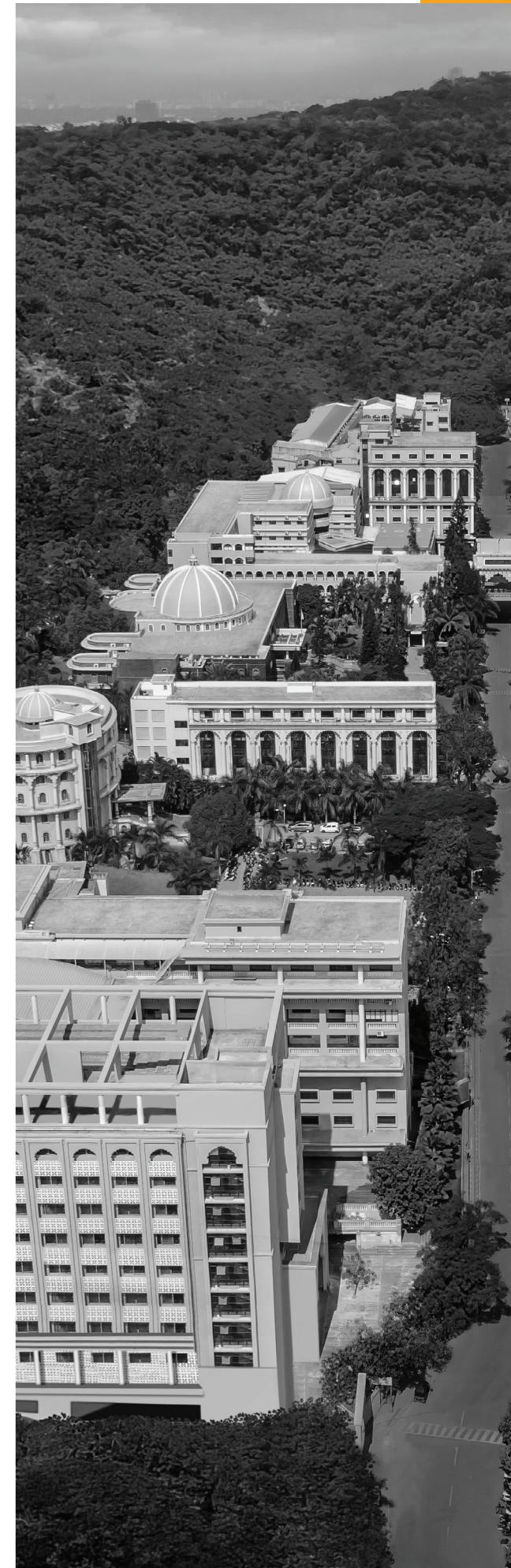
MIT-WPU is driven by a vision from its top management, striving to furnish our faculty and students with cutting-edge facilities and resources, fostering an enriched environment for teaching, learning, and research. An ambitious project underway involves an eight-story building tailored exclusively for the schools of CSE and CSA. Outfitted with state-of-the-art amenities, this initiative aims to materialise this vision within approximately a year.

In my capacity as the Dean of the School of Computer Engineering and Technology, my foremost objectives revolve around revitalising our curriculum. I aim to place a strong emphasis on hands-on expertise in emerging technologies, introducing interdisciplinary programmes, and fostering collaborations with top-tier academia and industry experts across India and worldwide. Through these strategic initiatives, coupled with a relentless focus on upgrading and honing the skills of our esteemed faculty members and students, I am confident that MIT-WPU will consistently produce a cadre of highly skilled professionals, who will not only excel on a global stage but will also embody the qualities of thought leadership, impactful research, innovation, and entrepreneurship.

It is our commitment to further elevate Bharat's standing and contribute meaningfully to the betterment of humanity on a grand scale.

**Dr. Mangesh Bedekar**

Dean,  
School of Computer Science  
& Engineering



# Academic Collaborations

## Expanding Horizons

MIT-WPU is committed to global education. Each collaboration promotes cross-border learning and diverse disciplinary exchanges. MIT-WPU strengthens global relationships and extends intercultural networks via student and faculty exchanges, summer and winter programmes, research associations, international immersions, semester abroad programmes, project mentorship, extra credit courses, and enriching intercultural activities.

### MoUs



TimeChain Labs, Mumbai



Blockchain Council, USA

### Collaborations With Top National (MNC's)



# Centre of Excellence

At MIT-WPU, the Centers of Excellence (COEs) lead pioneering research and development across disciplines. Committed to innovation and technological progress, these COEs facilitate idea exchange among top minds, embodying the University's dedication to knowledge and excellence for a brighter future.



## Industry Collaborated Laboratories

- Centre of Excellence in Collaboration with Tata Technologies Limited (TTL)

### Centre I: Technology and Visualization

- Equipped with software platforms for Modeling, Analysis, and Simulation such as ADAMS, MSC NASTRAN, MSC PATRAN, Sc Flow for CFD, MARC Complete Package of Nonlinear Simulation, CAM 2020, ROBO Master, Mini Tab, etc.

### Centre II: Advanced Manufacturing Engineering

- Equipped with Industry 4.0 facilities including 3D printing, Industrial Robots, Laser Cutting Machines, Vertical Machining Centers, Automated Conveyors, CNC machines, etc

### ➤ Micro Forming Research Centre

- Coordinator: Dr. Ganesh Kakandikar

### ➤ Advanced Welding and Simulator

- Coordinator: Dr. Ganesh P. Borikar

### ➤ Centre of Excellence for Cryptography and Cyber Security

with Ziroh Labs

### ➤ Centre of Excellence for Blockchain Technology

with Snapper FutureTech

### ➤ Centre of Excellence for Parallel/ Distributed Computing

with NVIDIA CUD

### ➤ SUBSEA Lab

An initiative of MIT-WPU with Aker Powergas Subsea Pvt. Ltd., and Aker Powergas Pvt. Ltd.

### ➤ Centre of Excellence for Innovative Design and Construction Technologies

with Italy's Politecnico De Milano

These Centres of Excellence provide state-of-the-art facilities and platforms for students and faculty to engage in cutting-edge research, practical learning, and industry collaboration, ensuring a comprehensive and advanced educational experience.

# Department of Computer Science and Applications

The Department of Computer Science and Applications, within the esteemed School of Computer Engineering and Technology at MIT-WPU, offers cutting-edge undergraduate and postgraduate programmes, meticulously designed to prepare students for thriving careers in the competitive IT landscape. Taught by distinguished academic minds and seasoned industry professionals, these programmes cover advanced technologies such as Blockchain, Data Science, Big Data Analysis, Cryptocurrency, and Web Development. The department takes pride in its extensive academic affiliations with prestigious global universities, which facilitate invaluable knowledge exchanges through immersive international programmes and internships. Emphasising practical learning, students engage in live projects that enhance critical thinking, problem-solving skills, and foster an innovative approach, laying the foundation for a successful career.

## Key Highlights

- Acquaint students with various sub-domains of computer science
- Instil understanding of ethical, social, and moral responsibilities in technology
- Innovate and integrate computer technology applications across various domains
- Foster curiosity and research skills to advance computer science studies

## Where Students Design Future Tech

- Surveying Lab
- Transportation Engineering Lab
- Concrete Technology Lab
- Structural Dynamics Lab
- Heavy Structures Lab
- Environmental Engineering Lab
- Geotechnical Engineering Lab
- Tunnel Engineering Lab
- IoT Lab



## ACADEMIC PROGRAMMES

## B.Sc. Computer Science

*Computer Science, as a diverse and evolving field, stands at the intersection of innovation and technology. It encompasses an extensive spectrum of programming languages, databases, web development, and cutting-edge technologies. In today's data-driven world, the demand for professionals adept at deciphering complex algorithms and technology is paramount.*

The B.Sc. Computer Science at MIT-WPU is an immersive, full-time degree programme that delves into multiple programming languages, databases, web development, and cutting-edge technologies. Beyond theoretical foundations, students cultivate practical expertise in critical thinking, problem-solving, and analytical prowess across various programme modules. Renowned academic experts and guest lecturers lead specialised sessions on Web Technologies, AI & ML, IoT, Network Security, Advanced Java Programming, and Applied Statistics, among other domains. In their third (and optional fourth year for the honours programme), students can select from three specialisations. The programme further offers a diverse array of electives, including Intellectual Property Rights, Data Mining, Cybersecurity, Data Science, and Blockchain Technology.

### Major Tracks

- Computer Science
- Cloud Computing
- Cyber Security



Duration

**3 Years**  
 (Regular)

**4 Years\***  
 (Hons)


Fee Per Annum

**1,65,000**

\*Eligible students who opt for the 4th Year of the undergraduate programme will be awarded the Honours programme as per the National Education Policy (NEP) 2020.



## Programme Outcomes

- Identify, formulate, and solve complex real-time problems using concepts of electronics, mathematics, and computer science.
- Design and implement software systems through the software engineering process.
- Develop, test, and deploy web or mobile applications using technologies such as Java, PHP, Python, Machine Learning, or SQL.
- Apply theoretical knowledge into practical scenarios.
- Practise traditional Indian yoga to enhance creativity, concentration, and stress management, while imbibing human values.
- Develop empathetic written and verbal communication skills.

## Career Opportunities

- Software Engineer
- System Analyst
- Technical Analyst
- Software Developer
- System Support Manager
- Programmer
- Security Analyst
- Cyber Security Architect
- Security Software Developer
- Information Security Engineer
- Cloud Security Engineer
- Cloud Infrastructure Engineer
- DevOps Cloud Engineer
- Data engineer

# B.Sc. Data Science and Big Data Analytics

Data Science emerges as an interdisciplinary field employing scientific methodologies and algorithms to extract valuable insights from data. As data volumes surge continuously, businesses face a crucial need to analyse vast datasets to glean meaningful insights. Building proficient Data Scientists necessitates furnishing aspiring students with precise knowledge and robust foundational skills. Launched in June 2022, spanning four years, this full-time programme adopts a semester-based pattern and a choice-based credit system. Aimed at preparing students for promising careers in the Data Science Industry, the curriculum encompasses Data Science and Big Data Analytics subjects, complemented by three allied subjects—Mathematics, Electronics, and Statistics. This comprehensive framework lays the essential groundwork for pursuing advanced studies in Data Science and Big Data Analysis.

## Major Tracks

- *Data Science and Big Data Analytics*

<b>Duration</b>	<b>3 Years</b> <small>(Regular)</small>	<b>4 Years*</b> <small>(Hons)</small>
<b>Fee Per Annum</b>	<b>₹ 1,65,000</b>	

\*Eligible students who opt for the 4th Year of the undergraduate programme will be awarded the Honours programme as per the National Education Policy (NEP) 2020.



## Programme Outcomes

- *integrate knowledge from Mathematics, Electronics, and Statistics to solve complex data-related problems.*
- *Manage, analyse, and interpret large datasets using advanced tools and techniques.*
- *Design and implement algorithms for data mining, machine learning, and predictive analytics.*
- *Design, test, and implement data-driven solutions using modern tools and technologies to meet industry demands.*
- *Understand ethical issues in data science, including data privacy, security, and responsible use of data.*

## Career Opportunities

- *Data Analyst*
- *Data Scientist*
- *Business Intelligence (BI) Analyst*
- *Machine Learning Engineer*
- *Big Data Engineer*
- *Database Administrator*
- *Data Engineer*
- *Quantitative Analyst (Quant)*
- *Marketing Analyst*
- *Healthcare Data Analyst*
- *Consultant*
- *Government Data Analyst*
- *Academic Researcher*
- *Supply Chain Analyst*
- *Environmental Data Analyst*
- *Social Media Analyst*
- *Sports Analyst*
- *Retail Analyst*

# BCA (Science)

## Bachelor of Computer Application Science

*Computer Application, an integrative domain, harnesses methodologies and practical applications to navigate the realm of software design, development, and application. As technology evolves, the burgeoning need for adept professionals to comprehend programming languages becomes indispensable.*

*The BCA Science Programme at MIT-WPU is a dynamic, interdisciplinary field that arms students with the knowledge of fundamental programming languages such as C++ and Java, PHP, Python. In parallel, it introduces them to contemporary technologies like Python, Artificial Intelligence, Machine Learning, IoT, Blockchain, Android. This programme prepares students to meet these industry demands, nurturing their ability to solve complex problems and cater to diverse industry needs. Additionally, the inclusion of elective modules like Cyber security, Quantum computing, Open Source tool, Big data entrepreneurship programmes skill-based courses such as Recent Trends in IT, Business Communications, Research Methodology, and Research Paper Writing, ensures a seamless transition from academia to a professional workspace.*

Duration	<b>3 Years</b> (Regular)	<b>4 Years*</b> (Hons)
Fee Per Annum	₹ 1,80,000	

\*Eligible students who opt for the 4th Year of the undergraduate programme will be awarded the Honours programme as per the National Education Policy (NEP) 2020.



## Programme Outcomes

- Develop Software Applications proficiently using programming languages such as C, Java, Python, and technologies like Android and AngularJS.
- Manage Databases for efficient data storage and retrieval in various application contexts.
- Configure Computer Networks competently to ensure seamless communication and data exchange.
- Apply Artificial Intelligence and Machine Learning techniques to solve complex problems in data analysis, pattern recognition, and decision-making.
- Apply elective knowledge in Data Mining, Automation Testing, and Database Administration to address specific industry challenges.

## Career Opportunities

- Network Administrator
- Web Designer
- Web Developer
- System Manager
- Software Developer
- Software Tester
- Computer Programmer

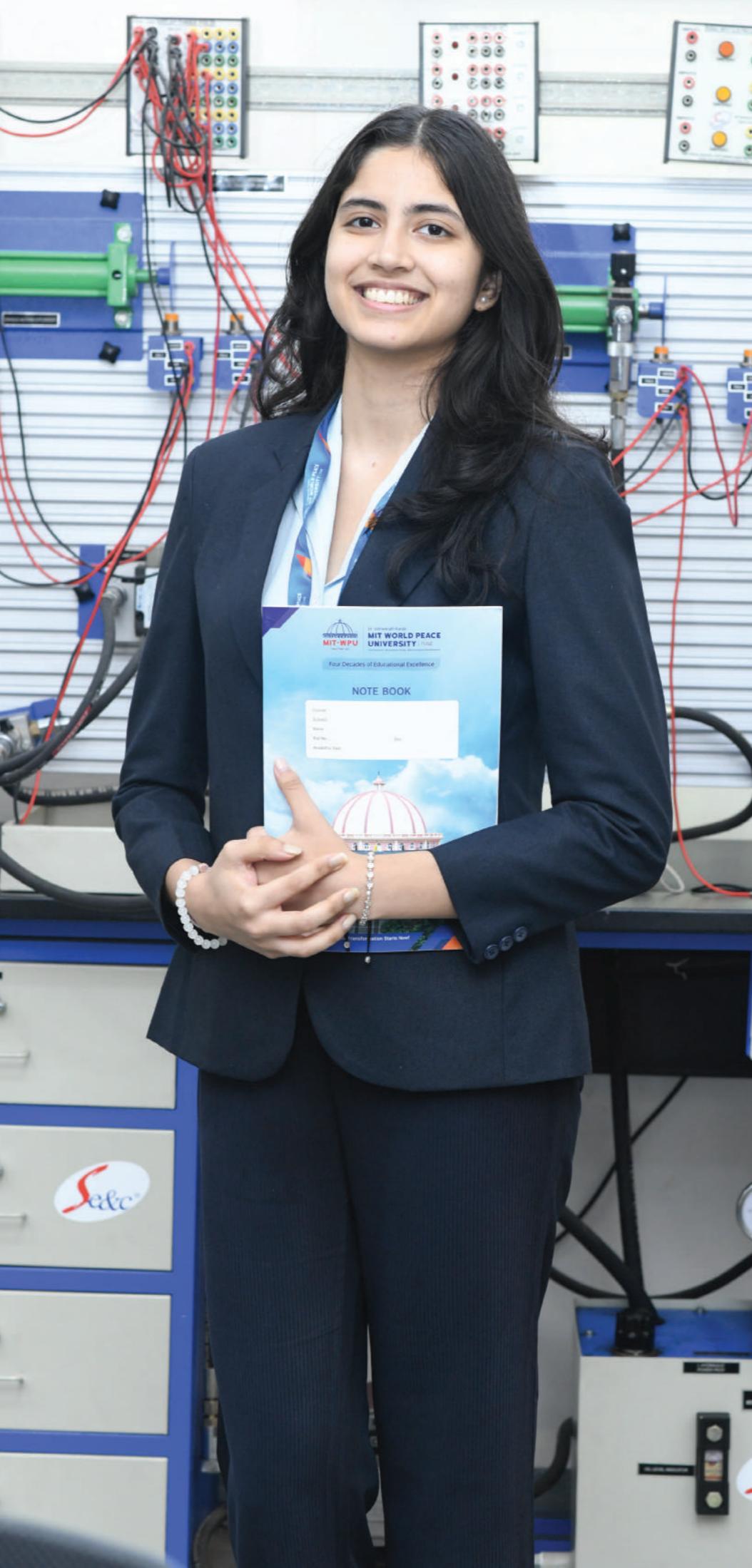
## M.Sc. Computer Science

The Technological landscape continues to evolve, and with this, the need for adept professionals with proficiency in software development, computer science & application, advanced computing disciplines, as well as emerging technologies like AI & ML becomes imperative.

The M.Sc. in Computer Science programme at MIT-WPU is thoughtfully designed and developed to elevate students' comprehension and knowledge of computer science while honing their skills and capabilities in designing systems and developing real-life software applications across multifaceted domains such as Artificial Intelligence, Data Science, and Web Development. The programme covers an intensive curriculum that incorporates a diverse range of courses from Advanced Operating Systems to Network Security, providing students with an in-depth understanding of operating systems and security issues in networking.

Committed to a hands-on pedagogical approach, the programme integrates mini projects, practical assignments, industrial internships, and industry visits. Furthermore, students have the liberty to select from an array of elective courses focused on cutting-edge technologies such as Next Generation Databases, the Internet of Things, Digital Image Processing, Soft Computing, Bitcoin Mining, and DevOps, aligning with the imminent requirements of the industry.

**Duration**  
 **2 Years**  
**Fee Per Annum**  
 **₹ 1,60,000**



## Programme Outcomes

- Apply foundational knowledge of Computing, Mathematics, Science, and Engineering to address discipline-specific challenges.
- Analyse problems and formulate computing solutions using appropriate models and methodologies.
- Evaluate the societal and organisational impact of computing solutions on local and global scales.
- Demonstrate understanding of professional ethics, legal considerations, security protocols, and social responsibilities in computing practices.
- Apply engineering and management principles effectively in team settings, demonstrating leadership in project management and execution.

## Career Opportunities

- Software Engineer
- Hardware Engineer
- Full stack Developer
- Data Scientist
- Mobile App Developer
- Researcher or Scientist
- Cyber Security Analyst
- System Programmer
- Data Engineer
- QA Analyst
- UI/UX Designer
- Higher Education Professional

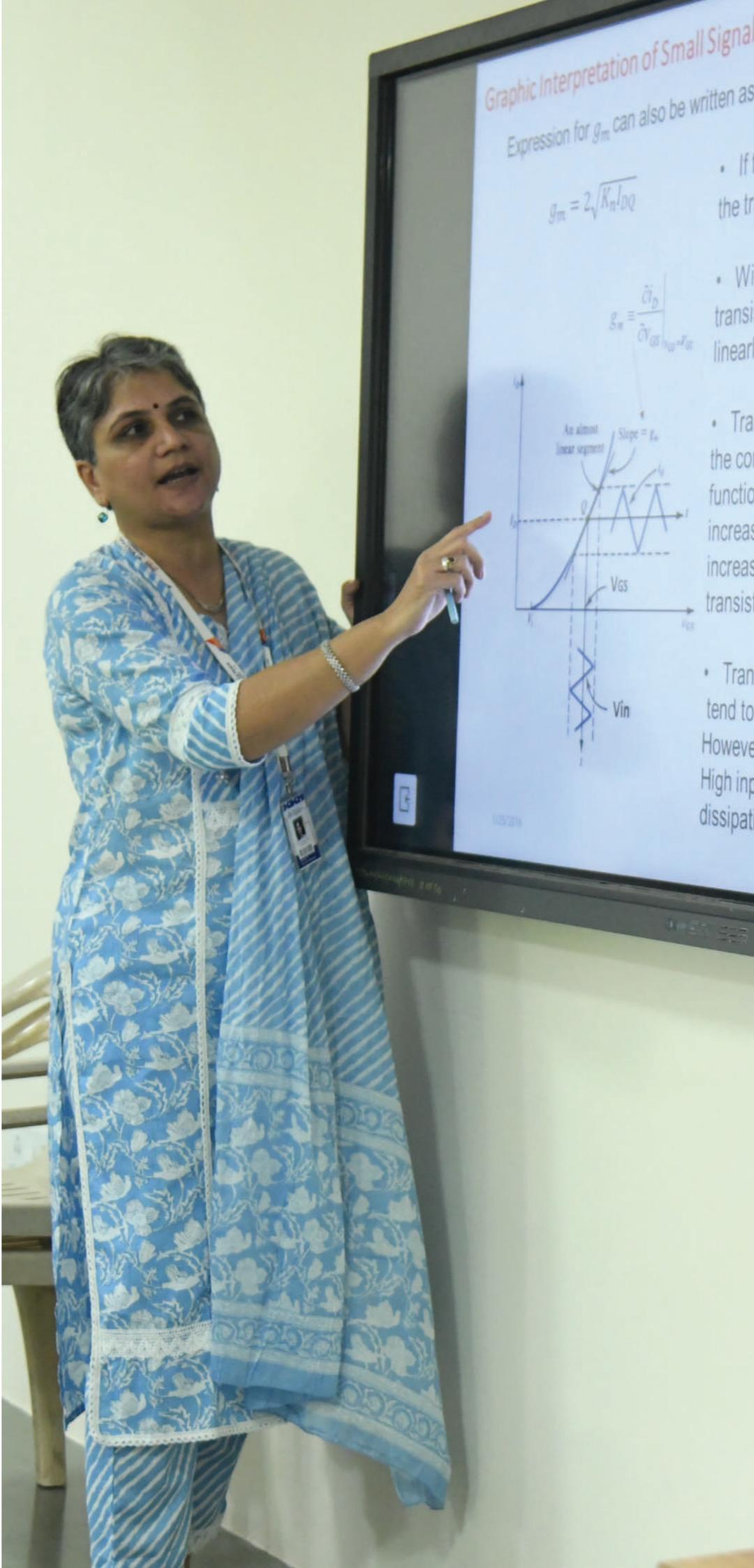
# M.Sc. Data Science and Big Data Analytics

Data science and big data analytics emerge as essential frontiers, dedicated to meticulous scrutiny and interpretations of vast and diverse data sets—these shape the bedrock for insightful strategies for informed decision-making.

The M.Sc. in Data Science & Big Data Analytics at MIT-WPU is a rigorous two-year full-time programme focusing on diverse case studies, real-world problem-solving, and extensive work with massive datasets. This interdisciplinary program blends computer science and engineering courses, emphasising predictive models, statistical algorithms, and high-performance analytics systems. In the first year, students build a strong foundation in Data Science alongside spiritual development sessions. They start with fundamental subjects like Linear Algebra, Statistics, Data Mining, and the Big Data ecosystem, gaining hands-on training in Python and Big Data tools. Advanced topics in Machine Learning and Data Visualization provide practical experience with industry-standard tools, complemented by sessions on social and ethical growth. The second year focuses on specialisations such as Deep Learning, Cloud Computing, and Artificial Intelligence, enhancing students' expertise in advanced domains. Mini projects allow them to apply their skills in specific areas of interest, culminating in industrial internships during the final two trimesters where they collaborate on live projects with industry experts.

Throughout the programme, students engage in practical learning through hackathons, projects in Machine Learning and the Big Data ecosystem, and opportunities to publish research. This comprehensive approach prepares graduates to excel in Data Science careers while emphasising holistic development.

**Duration**  
 **2 Years**  
**Fee Per Annum**  
 **₹ 2,40,000**



## Programme Outcomes

- Apply Statistical foundations, algorithmic principles, and computer science theory in designing computational systems, considering trade-offs in Data Sciences.
- Design, implement, and evaluate computational systems to meet specified needs within practical constraints.
- Understand and adhere to professional, ethical, legal, security, and social responsibilities in computing.
- Collaborate effectively in diverse, multidisciplinary teams to achieve common objectives, fostering research interest through practical use of Data Sciences tools.
- Specialise in Professional Electives such as Business Analytics, Data Analytics Pipeline, and Big Data Security to address industry-specific demands.

## Career Opportunities

- Big Data Analytics
- Business Consultant
- Big Data Analyst
- Metric and Analytics Specialist
- PowerBI / Tableau developer
- Python Developer
- Machine Learning Engineer
- Machine Learning Architect
- Data Scientist
- Big Data Solution Architect

# M.Sc. Blockchain Technology

*Blockchain Technology stands as a pivotal innovation, revolutionising how transactions are recorded and managed across various computer nodes in a decentralised ledger system. Its significance lies in ensuring secure, transparent, and immutable transactions across various sectors. To understand this intricate working of blockchain technology, an in-depth knowledge of this evolving field is imperative.*

*The Master of Science in Blockchain Technology programme at MIT-WPU is a comprehensive two-year full-time course, designed to immerse students into varied case studies related to blockchain technologies, encouraging them to solve real-world problems and work on extensive datasets while learning core subjects.*

*The teaching methodology is structured to offer foundational knowledge and practical insights. The initial year covers fundamental subjects like the Introduction to Blockchain Ecosystem, Advanced Database Management System, Transaction Management using MIS, Research Methodology, Blockchain Architecture, Design and Analysis of Algorithms, Network Security, Python Programming, Blockchain Business Models, Cryptocurrency Mining, and Next Generation Databases. Students undergo training in Python and Advanced Database Management Systems while engaging in sessions focusing on peace and ethical behaviour.*

*The second-year curriculum delves deeper into Blockchain Technology, Cloud Platforms, Solidity and Smart Contract Development, AI and Business Intelligence, Big Data Security, Machine Learning, Bitcoin Essentials, and Use Cases, further enhancing students' expertise in this evolving field.*

**Duration**  
 **2 Years**  
**Fee Per Annum**  
 **2,40,000**



## Programme Outcomes

- Communicate Blockchain Technology concepts, designs, and solutions effectively and professionally.
- Apply knowledge of Blockchain Technology to produce effective designs and solutions for the problems.
- Implement Blockchain Architecture, Smart Contract Development, and Big Data Security to develop practical solutions for real-world challenges in various sectors.
- Utilise Python and advanced databases for effective Blockchain application development.
- Innovate with AI, Machine Learning, and Cloud solutions to enhance Blockchain technology capabilities.

## Career Opportunities

- Blockchain Developer
- Blockchain Solution Architect
- Blockchain Project Manager
- Blockchain UX Designer
- Blockchain Quality Engineer
- Blockchain Legal Consultant
- Crypto Community Manager
- IT Professionals in government organisation
- Banks IT Department
- Business Analyst
- App Developer

# MCA

## Master of Computer Application

The realm of Computer Application is intricately interwoven with technological advancements, software development, and digital innovations. As industries pivot towards digitalisation and technology integration, the demand for adept professionals in this field becomes ever more critical.

The MCA programme at MIT-WPU aims to reinforce students' foundational understanding of Computer Science while gradually introducing them to emerging trends, cultivating a research-oriented mindset throughout their academic journey. This pedagogical approach nurtures a comprehensive learning experience, preparing students to adeptly navigate and excel in the perpetually evolving domain of Computer Science. This two-year full-time programme amalgamates Computer Science and Engineering courses, prioritising practical applications to address the scarcity of skilled human resources. With a focused curriculum encompassing Computer Science fundamentals, Programming Languages, Advanced Databases, Internet Technologies, Machine Learning, Data Science, Mobile Application Development, and Agile and Scrum Master methodologies, the programme aims to equip students with the latest knowledge of applications, technologies, and tools. This programme accentuates industry-centric learning through an industry internship, offering students an opportunity to engage in live projects in collaboration with industries, providing invaluable pre-placement exposure to real-world projects. Upon successful completion of the programme, graduates emerge equipped to conceptualise, design, develop, implement, and deploy software applications effectively. By laying a robust foundation in core Computer Science and application courses while progressively exposing students to emerging trends, the programme instils a research-oriented approach, fostering a conducive environment for students' continuous growth and exploration.

**Duration**  
 **2 Years**  
**Fee Per Annum**  
 **₹ 2,40,000**



## Programme Outcomes

- Apply fundamental knowledge of Computing, Mathematics, Science, and Engineering appropriate to the discipline.
- Analyse a problem, identify and formulate the computing solution(s) with appropriate models.
- Apply engineering and management principles to one's own work, as a member and a leader in a team, to manage projects
- Apply the concepts of computer applications for industrial real time problem solving.
- Analyse, design, develop, test, and maintain the software applications with latest technologies and computing tools.

## Career Opportunities

- Software Developer
- UI/UX Designer
- Security Analyst
- Platform Engineer
- Mobile App/ Web Developer
- Network Engineer
- Database Administrator
- Cloud Engineer
- Data Scientist
- BI/BW Consultant
- Software Tester/ QA Analyst
- Business Analyst/ System Analyst
- Associate System Engineer
- Cloud System Administrator
- Full Stack Development Expert
- Database Administrator-DBA

# Ph.D. in Computer Science

The field of Computer Science stands at the forefront of innovation, driving technological progress and pioneering breakthroughs across diverse industries. The growing reliance on advanced technology underscores the critical demand for proficient professionals well-versed in Artificial Intelligence, Machine Learning, Blockchain Technologies, Network Security, and other pivotal computational domains.

The Department of Computer Science and Applications offers a three-year full-time Ph.D. programme focused on advanced learning and groundbreaking research across the expansive landscape of computer science domains. The esteemed faculty comprising experts in Artificial Intelligence, Machine Learning, Digital Image Processing, and Blockchain Technologies, among other specialised areas, guides aspiring researchers driven by a passion for pioneering solutions to contemporary challenges encountered in societal and technological domains.



## Programme Outcomes

- Rigorous full-time and part-time Doctorate programme, dedicated to fostering advanced research methodologies within the field of Computer Science and Applications.
- World-class facilities and adept mentorship, empowering students to conduct comprehensive research and forge pathways in academia or research-oriented careers.
- Specialised training in vital research skills encompassing hypothesis formulation, extensive literature review, ethical considerations, and adept utilisation of online resources.
- Prominent focus on interdisciplinary research, encouraging the cultivation of innovative, entrepreneurial ideas transcending conventional academic boundaries.

## Major Tracks

- Artificial Intelligence
- Machine Learning
- Deep Learning
- Natural Language Processing
- Computer Vision
- Network Security
- Digital Image Processing
- Pattern Recognition
- Remote Sensing
- Blockchain Technologies
- Cloud Computing

# Eligibility Criteria & Selection Process

## Undergraduate Programmes

### B. Sc. Computer Science and B.Sc. Data Science & Big Data Analytics

- Minimum 50% aggregate score in 10+2/Class 12th or its equivalent examination in science stream with Mathematics, Mathematics & Statistics subject (at least 45% marks, in case of Reserved Class category candidate belonging to Maharashtra State only).

Or

- Minimum 55% aggregate score in any 3 years Engineering Diploma from State Government approved Institution or its equivalent.

**Selection Process:** The selection process for the Programme is based on MIT-WPU CET Entrance Examination 2025 & Personal Interaction (PI) score.

### BCA Science

- Minimum 50% aggregate score in 10+2/Class 12th or its equivalent examination in science stream with English subject (minimum 45% aggregate score in case of Reserved Class category candidate belonging to Maharashtra State only)

Or

- Minimum 55% aggregate score in any 3-year Engineering Diploma from the State Government approved Institution/ board or its equivalent.

The selection process for the programme is based on MIT-WPU CET Entrance Examination 2025 & Personal Interaction (PI) score.

## Postgraduate Programmes

### M.Sc. Computer Science

- Minimum 50% aggregate score in B.Sc. (Computer Science), BCS, B.Sc. (IT) graduation from UGC approved Institution/ University (at least 45% marks, in case of reserved class category candidate belonging to Maharashtra State only)

The selection process is based on score in MIT-WPU CET PG Computer Science Entrance Examination 2025 and Personal Interaction (PI) score.

### M.Sc. Data Science & Big Data Analytics

- Minimum 50% aggregate score in B.Sc. (Computer Science), BCA, BCS, B.Sc. (IT), B.E., B.Tech, BBA(CA), B.Sc. Data Science, B.Sc.AI/ML, B.Sc. Cyber Security, B.Sc. Cloud Computing, B.Sc. Big Data Analytics or any relevant 3-years graduation in Computational Science from UGC approved Institution/ University or equivalent (at least 45% marks, in case of Reserved Class category candidate belonging to Maharashtra State only).

Desirable/ Note: The candidate should have studied Mathematics or statistics as one of the subjects at 12th or graduation level.

The selection process is based on score in MIT-WPU CET PG Computer Science Entrance Examination 2025 and Personal Interaction (PI) score.

### M.Sc. Blockchain Technology

- Minimum 50% aggregate score in B.Sc. (Computer Science), BCA, BCS, B.Sc. (IT), B.E., B.Tech, BBA(CA), B.Sc. Data Science, B.Sc.AI/ML, B.Sc. Cyber Security, B.Sc. Cloud Computing, B.Sc. Big Data Analytics or any relevant 3-years graduation in Computational Science from UGC approved Institution/ University or equivalent (at least 45% marks, in case of Reserved Class category candidate belonging to Maharashtra State only).

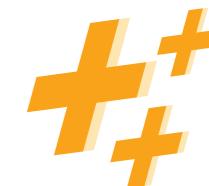
Desirable/ Note: The candidate should have studied Mathematics or statistics as one of the subjects at 12th or graduation level.

The selection process is based on score in MIT-WPU CET PG Computer Science Entrance Examination 2025 and Personal Interaction (PI) score.

### MCA

- Minimum 60% in 3-year Graduation in science stream/ BCA from UGC approved Institution/ University (at least 55% marks, in case of Reserved Class category candidate belonging to Maharashtra State only) And should have studied Mathematics as one of the subjects at 12th Class level or graduate level.

The selection process for the programme is based on MIT-WPU CET Computer Science Entrance Examination 2025 & Personal Interaction (PI) score.



## Doctoral Programme Eligibility

### I. Eligibility Criteria

Candidates are eligible for admission to the Ph.D. programme if they meet one of the following qualifications:

#### 1. Master's Degree Holders:

- Completed a 1-year/2-semester master's degree after a 4-year/8-semester bachelor's degree, or a 2-year/4-semester master's degree after a 3-year bachelor's degree, with at least 55% marks or an equivalent grade. For foreign qualifications, accreditation must be from a recognised body.
- Candidates with a 4-year/8-semester bachelor's degree need a minimum of 75% marks. A relaxation of 5% marks or equivalent grade is available for SC/ST/OBC (non-creamy layer), differently-abled, Economically Weaker Section (EWS), and other specified categories.

#### 2. M. Phil. Degree Holders:

- Completed M. Phil. with at least 55% marks or an equivalent grade. Relaxation of 5% marks is available for SC/ST/OBC (non-creamy layer), differently-abled, EWS, and other specified categories.

Note: Reservation is only for Maharashtra domicile candidates who must submit relevant documents. Candidates from outside Maharashtra will be considered under the open category.

# Internship & Placement

The dedicated Placement Cell, known as 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. MIT-WPU maintains robust connections with over 250 industries in India and abroad. It has established Memorandums of Understanding (MOUs) with various government organisations and foreign

educational institutions. This extensive network proactively assists students in securing internships, pursuing campus placements, nurturing entrepreneurial endeavours, and advancing their higher education pursuits. Together, strategic placements and experiential learning define the institution's commitment to shaping well-rounded, industry-ready professionals.

**₹80,000 PA**

Highest Stipend

**₹51.36 LAKHS PA**

Highest Package

## Our Top Recruiters



and many more....

# Scholarships

MIT-WPU is awarding 2000+ scholarships to its meritorious students for the academic year 2025-26. These scholarships are based on the student's academic performance in national and state-level entrance exams, as well as internal tests conducted by MIT-WPU (MIT-WPU CET).

**The categories of Merit Scholarships\* are detailed below.**

1. Dr. Vishwanath Karad Scholarship
2. MIT-WPU Merit Scholarship-I
3. MIT-WPU Merit Scholarship-II
4. Scholarships to Elite Sportsperson

**\*Terms and conditions:**

- Scholarships are granted on a First Come First Serve basis.
- Scholarships are awarded as fee adjustments.
- 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.

For more information visit: [mitwpu.edu.in/scholarships](http://mitwpu.edu.in/scholarships)

B.Sc. Programmes			
Name of the Scholarship	Dr. Vishwanath Karad Scholarship (100%)	MIT-WPU Scholarship I (50%)	MIT-WPU Scholarship II (25%)
Name of programme / Specialisation	MIT-WPU CET CBT Score	MIT-WPU CET CBT Score	MIT-WPU CET CBT Score
B.Sc. Computer Science	90 & Above	88 & Above	85 & Above
B.Sc. Data Science & Big Data Analytics			
BCA Science			
Computer Science and Applications programmes			
Name of the Scholarship	Dr. Vishwanath Karad Scholarship (100%)	MIT-WPU Scholarship I (50%)	MIT-WPU Scholarship II (25%)
Name of programme / Specialisation	MIT-WPU CET CBT Score	MIT-WPU CET CBT Score	MIT-WPU CET CBT Score
MCA	88 & Above	85 & Above	83 & Above
M.Sc. Computer Science			
M.Sc. Data Science & Big Data Analytics			
M.Sc. (Blockchain Technology)			

Note: Student will be entitled to scholarship based on MIT-WPU CET 2025 CBT (Computer Based Test) Score.

## EMPOWERING YOUR EDUCATIONAL JOURNEY

At MIT-WU, we admit students solely based on their merit and potential. Our financial aid programme, however, is tailored to meet the needs and affordability of each student, ensuring that financial constraints don't stand in the way of their education.

For more information about student loans, please visit our website. Discover a range of resources to help you understand your options and make informed decisions. Our team is here to support you every step of the way.



[https://mitwpu.edu.in/student-loans](http://mitwpu.edu.in/student-loans)



# UNLOCKING NEW PERSPECTIVES

## IMMERSIONS PROGRAMME

The immersion programmes at MIT-WPU offer a distinctive approach to learning that extends beyond traditional classrooms, empowering students to delve into societal challenges. Through these programmes, students engage in experiential learning, gaining insights into problem-solving methodologies while addressing real-world issues.



### Rural Immersions

Rural Immersion Programmes at MIT-WPU offer a unique learning experience, aiming to sensitise students to rural life and empower them to apply their knowledge and modern technology for community development. Participants engage in projects such as water conservation, waste management, and solar power utilisation, enhancing critical thinking and problem-solving skills. By immersing themselves in rural landscapes and cultures, students gain a broader perspective and deeper understanding of societal challenges. These hands-on programmes foster community awareness and innovation, bridging the gap between urban and rural India.



### National Immersions

The National Immersion Programme offers students enriching experiences in esteemed national-level companies and institutions, fostering innovation and motivation. Integrated into graduate and postgraduate courses at MIT-WPU, these immersive six-day tours provide insights into diverse academic, historical, cultural, and spiritual sites across India. Students engage in problem-solving, complementing classroom learning and fostering camaraderie. The programme includes pre-visit, on-site, and post-visit mentoring, culminating in a viva and report submission.



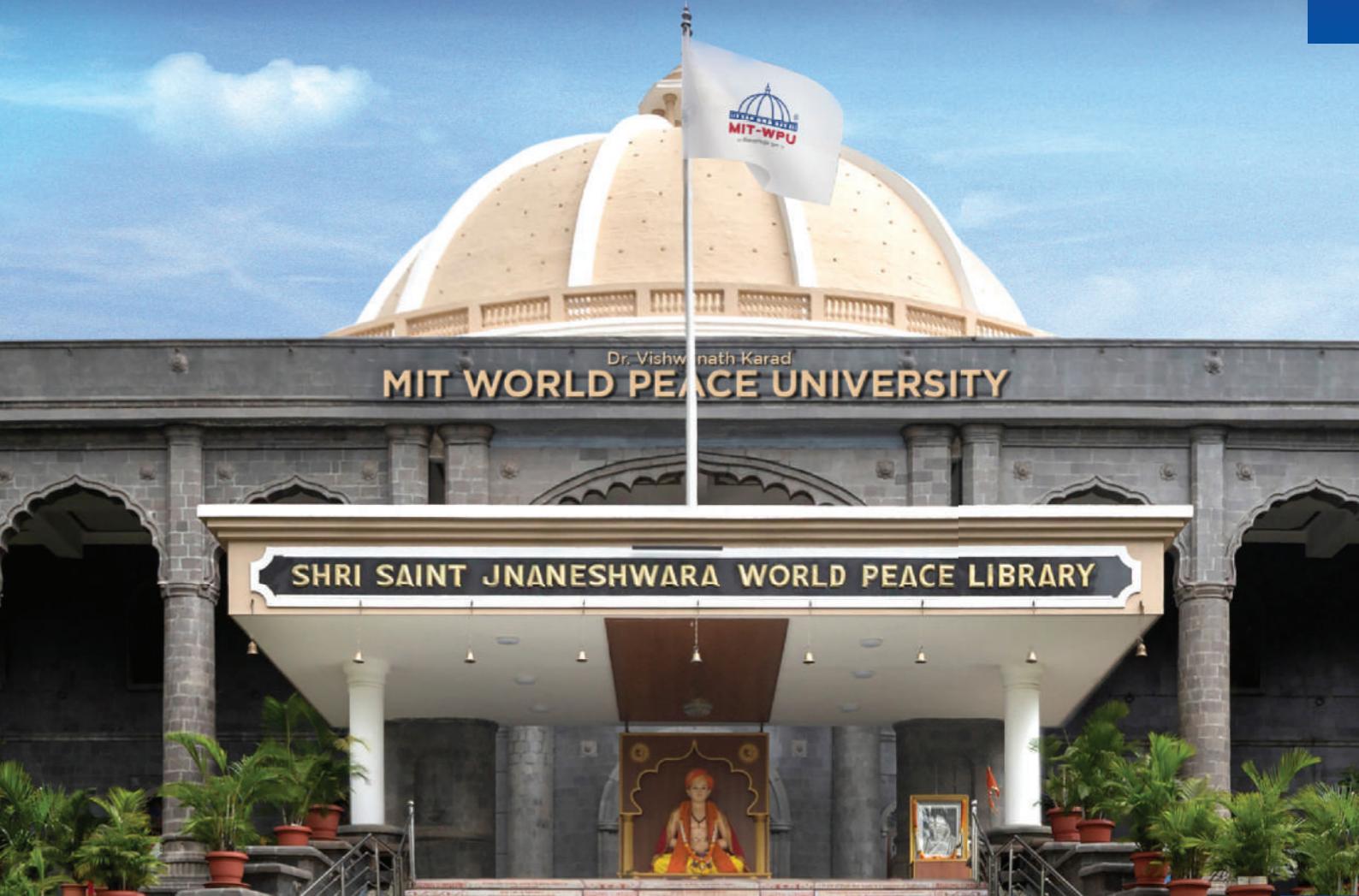
### International Immersions

The International Immersion Programme, a distinctive venture by MIT-WPU, exposes students to leading global institutions and practices in their field. These programmes offer exposure to esteemed research organisations, universities, and industries worldwide, fostering a global perspective, interaction with foreign experts, and collaborative projects. Through benchmarked practices and networking opportunities, students gain a competitive edge in the job market.

# PEACE PROGRAMME

## PAVING THE PATH TO GLOBAL HARMONY

MIT World Peace University embodies UNESCO's vision of 'Building Peace in the Minds of Young Men and Women,' mandating a peace studies course that fosters spiritual harmony and global peace. This course delves into diverse cultural practices, promoting sustainable development and non-violent communication to prevent conflict in communities and workplaces. By introducing students to various yoga traditions, the course enhances critical thinking and personal growth. An advanced postgraduate programme in Peacebuilding and Conflict Management further equips students with cutting-edge skills, preparing them as agents of social change and global citizens, with expertise in high-demand conflict management for modern corporations.



## FLAGSHIP UNIVERSITY EVENTS



### Hack X MIT-WPU

Hack X MIT-WPU brings together the brightest minds in the sphere of technology and engineering in a flagship annual hackathon where students get an opportunity to showcase their innovative projects. This dynamic platform allows participants to apply their knowledge practically, addressing real-life challenges. Highlighting the commitment to research, creativity, collaboration, and problem-solving, Hack X MIT-WPU offers students a unique opportunity to engage with real-world issues and demonstrate their skills in a competitive yet innovation nurturing environment.



### R.I.D.E Igniting Innovation and Entrepreneurship

R.I.D.E. is an intra-university event presented by Innovation Hub, is a student summit aimed at bringing together minds who believe in expanding horizons beyond the scope of opportunities and paving the way for students to pursue entrepreneurship as well as innovation. It was a student driven conclave to foster minds who dream beyond the mundane to bring change and innovation into daily life. The conclave prides itself in being a platform for more than hundred startups and over 50 industry specialist venture capitalists.

### SOCIAL LEADERSHIP DEVELOPMENT PROGRAMME (SLDP)

SLDP represents an innovative platform established to nurture social leadership values and instill essential qualities such as active listening, empathy, and a deep understanding of community needs and aspirations. This mandatory programme organised every year sensitises students to real-world problems and instils potential for positive change and collective progress within society. Social leadership development plays a crucial role in orienting the students at the start of their university academic journey, so as to sustain success in today's rapidly shifting global challenges faced by society.

### AAROHAN

Aarohan, MIT World Peace University's annual cultural extravaganza, began its journey in 2014, founded by passionate students at the MIT College of Engineering. True to its motto "by the students, for the students," Aarohan is entirely student-run, fostering valuable skills like teamwork, management, and leadership. Over its 11-year legacy, Aarohan has grown into Pune's grandest cultural fest, featuring spectacular events like Pronite, Comedy Nite, and a Theatre fest. It also provides a platform for young artists through cultural competitions, nurturing creativity and artistic expression.

# MIT-WPU Student Clubs

MIT-WPU is a vibrant hub of student engagement, housing a diverse and dynamic student community with more than 100 clubs and organisations catering to a spectrum of interests and passions. These student-led clubs not only facilitate active participation and forging new connections but also foster the development of leadership skills.

Categorically, the clubs at MIT-WPU fall into five main categories: cultural, social, sports, co-curricular, and NCC/NSS. This ensures that students have ample opportunities to delve into and explore their specific areas of interest.

A glimpse into a few of these engaging clubs:

- **GOOGLE DEVELOPER STUDENTS CLUB** at School of Computer Science
- The Innovation Club is a hub for entrepreneurial and innovative events and workshops
- The Art and Photography Club brings together aspiring artists for creative expression
- The Sports Club fosters spirited sporting events and activities
- The Cultural Club celebrates diversity and fosters cultural exchange
- Aatman- The sole Mental Health Club led by Psychology students, promoting well-being

Engaging in these clubs empowers students to optimise their time, enhance their skills, and contribute purposefully to the community.

These clubs also participate and excel in national and international competitions, gaining recognition and prominence. These student-led endeavours amplify the dynamic MIT-WPU experience, nurturing leadership and fostering holistic personal growth.



# BEYOND CLASSROOMS

## EXPLORING CAMPUS LIFE

MIT-WPU is a vibrant blend of academic rigour, cultural diversity, and community engagement. Our campus is a melting pot where students from all backgrounds come together to learn, explore, and grow. Every aspect, from state-of-the-art infrastructure to world-class faculty, is designed to foster excellence, creativity, and holistic development.

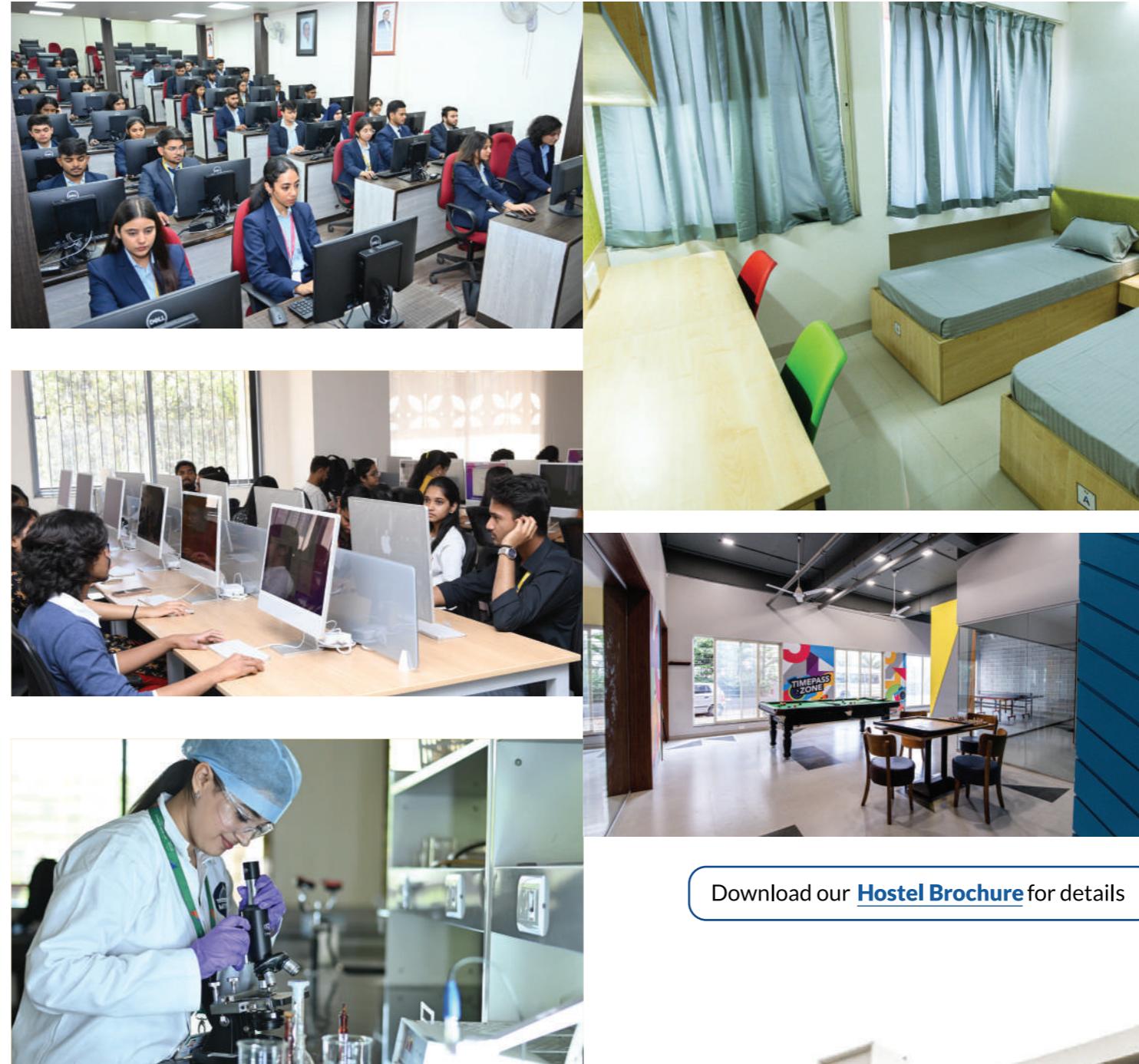
The sprawling campus is equipped to support academic and extracurricular pursuits. With well-equipped labs, libraries, recreational spaces, and sports facilities, our infrastructure inspires learning, innovation, and collaboration.

## Academic Facilities

MIT World Peace University boasts an array of cutting-edge resources, including state-of-the-art laboratories, high-tech ultramodern classrooms, and well-equipped libraries, fostering an environment conducive to profound learning, groundbreaking research, and continuous innovation.

**350+**  
Hi-tech  
Classrooms

**15k+**  
Student Seating  
Capacity



Download our [Hostel Brochure](#) for details

## Health Facilities

MIT-WPU offers comprehensive health facilities, by virtue of its access to the parent group MAEER's Vishwaraj Hospital. This association enables all members of the university community to have access to world-class healthcare services. The on-campus fully equipped Vishwaraj Clinic ensures sound physical health of students and staff on the university premises and contributes to a safe and healthy academic environment. The clinic is equipped with a dedicated full-time doctor, a 24/7 pharmacy, three in-patient beds with ambulance service.



## Hostel Facilities

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 prioritise safety.

- Choose between twin-sharing or triple-sharing rooms, each equipped with unlimited high-speed Wi-Fi and regular housekeeping services.
- Your safety is our priority, with full-time wardens, CCTV monitoring, and biometric access control ensuring peace of mind.
- Explore our on-site gym, gaming area, hangout zones, and reading rooms for relaxation and recreation. Plus, enjoy convenient transport facilities provided by the university for hostel residents.
- Indulge in delicious and nutritious meals served in our hostel kitchens, and join in the festive celebrations organised by the hostel administration throughout the year, from Diwali to Eid, Christmas, New Year, and beyond.

# Social Initiatives

Social initiatives at MIT-WPU centre around events that champion important causes, offering a stage for individuals from diverse backgrounds to share valuable insights.

## BHARATIYA CHHATRA SANSAD

India, the world's largest democracy, holds immense potential for growth and progress. To harness this potential, it's essential to involve passionate youth in the political process. The Bharatiya Chhatra Sansad (Indian Student Parliament), initiated by Sh. Rahul V. Karad in 2011, aims to inspire and empower students from across the nation to actively engage in public life and contribute to the nation-building process.



## NATIONAL LEGISLATORS' CONFERENCE (NLC), BHARAT

The National Legislators' Conference Bharat (NLC Bharat) serves as a historic platform for Members of Legislative Assemblies (MLAs) and Members of Legislative Councils (MLCs) from across India to convene and exchange ideas. The inaugural edition, held in Mumbai from June 15th to 17th, 2023, facilitated interactions among legislators from diverse political backgrounds and regions. With a focus on cross-learning and legislative effectiveness, the conference featured thematic discussions, plenary sessions, parallel brainstorming sessions, pavilions showcasing states' commendable practices, and informal interactions among legislators and stakeholders.



## BHARAT ASMITA NATIONAL AWARDS

Incepted in 2005 by MAEER's MIT Group of Institutions, Pune, the Bharat Asmita National Awards honour individuals dedicated to national building through exemplary contributions. Recognising leaders in management, mass awakening, and Indian Parliamentary Practices, these awards have inspired generations with meaningful endeavours over the past 18 years.



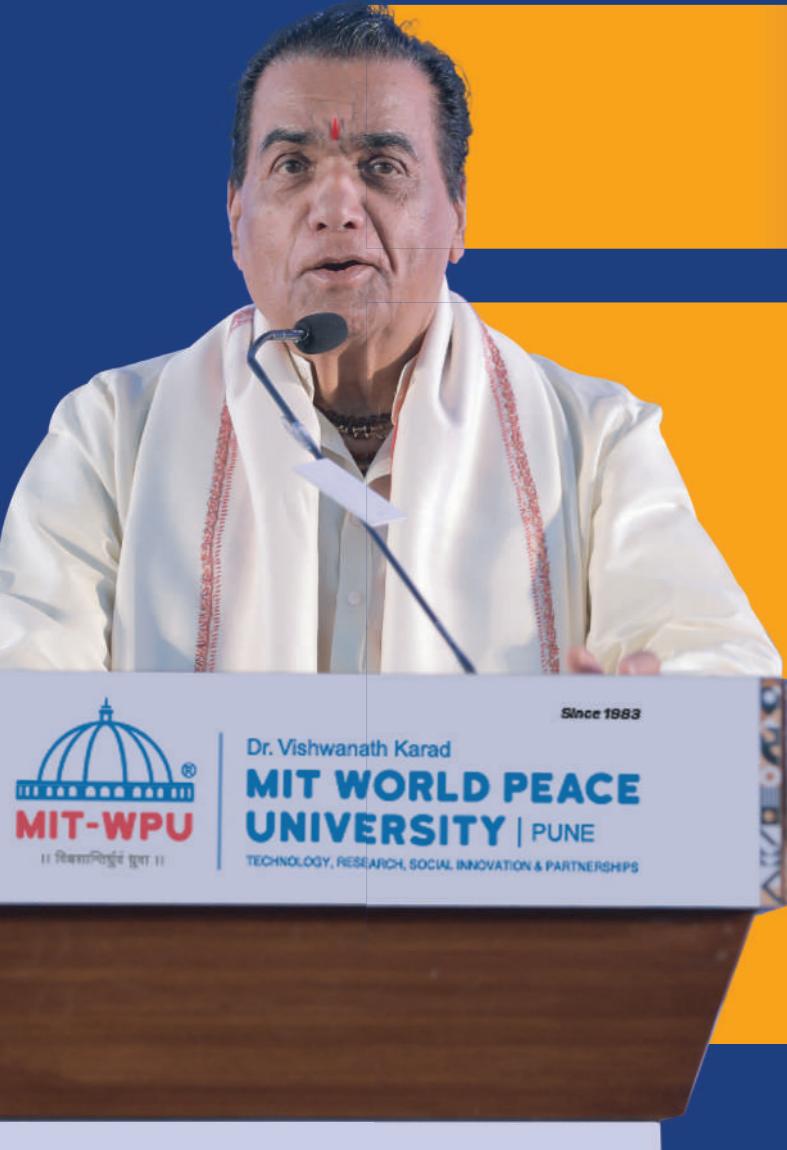
# UNRELENTING 40 YEARS OF LEGACY

## ABOUT MIT-WPU

MIT World Peace University (MIT-WPU, Pune), is a prestigious world-class institution of higher education in India, embodying a distinguished legacy of 40+ years and committed to nurturing academic excellence. With an expansive global alumni network exceeding 1,00,000 accomplished professionals, MIT-WPU consistently demonstrates exceptional educational achievements. The university remains at the forefront of academic innovation, offering a comprehensive study of over 150 undergraduate and postgraduate programmes, each meticulously crafted to blend theoretical foundations with practical application.

Embracing an educational philosophy centred on experiential learning, MIT-WPU empowers students to transition knowledge into tangible skills for the real world seamlessly. This ethos is further reinforced through immersive internships and invaluable mentorship opportunities, catalysing profound personal and professional development.

We envision a future powered by education, innovation, and culture, one that is sustainable, inclusive, and fosters progressive societal transformation ("Powering The Future"). To achieve this, we cultivate a culture of excellence with three pillars: fostering exemplary leadership, prioritising empathy and improving the present for all, and emphasising interdisciplinary collaboration in our educational approach. Ultimately, we believe that true global peace and harmony can be reached through the concordant integration of Science and Spirituality.



### Our Vision

'Powering The Future'  
Enabling sustainable, inclusive, and progressive societal transformation through education, innovation, and culture.

### Our Mission

**Individual-Culture:**  
Embodied in our shared dedication to exemplary leadership.

**Collective-Culture:**  
Characterised by empathy and compassion, evident in our endeavour to enhance the present circumstances.

**Collaborative-Culture:**  
Fostering interdisciplinary cooperation and teamwork as integral components of our educational approach.

**We Believe:**  
The concordant integration of Science and Spirituality is the catalyst for achieving global peace and harmony.

## Admission Process

The admission process at MIT-WPU is meticulously crafted to welcome and support talented individuals, fostering a diverse and dynamic learning community. Prospective students can follow these steps to join MIT-WPU, where our commitment to knowledge, innovation, and personal growth guides our educational mission:

### 1 Start Application

Visit: [admissions.mitwpu.edu.in](http://admissions.mitwpu.edu.in) and fill enquiry

### 2 Receive Login ID

Upon enquiry submission, receive a Login ID and Password

### 3 Fill Application Form

Complete the Application Form and submit it till the last page.  
Pay application fees (Rs.1800)

### 4 GDPI Process

Receive a relevant link for the GDPI process. Appear for GDPI on the scheduled date (The date will reflect on the Website)

### 5 Check Result

Check the result on the Application Student Dashboard once results are declared (Dates notified via email)

### 6 Provisional Offer

If selected, receive a provisional offer of admission on the registered email

### 7 Fee Payment

Complete Program Fee Payment (1st Instalment)

### 8 Registration Portal

Complete all sections of the Registration Portal  
(Payment/ Personal/ Education/ Documents)

### 9 PRN

Receive Student PRN (Permanent Registration Number) on registered email

### 10 Document Submission

Submit all of your original documents



## LET'S CONNECT

Call: [+91-20-71177137](tel:+912071177137)  
WhatsApp: [+91 9881492848](https://wa.me/+919881492848) (Message only)  
Email: [admissions@mitwpu.edu.in](mailto:admissions@mitwpu.edu.in)  
Website: [mitwpu.edu.in](http://mitwpu.edu.in)  
Address: MIT-WPU, Kothrud, Pune.

Scan to Apply



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