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

MIT-WPU
|| विश्वशान्तिर्ध्रुवं ध्रुवा ||

Computer Science and Applications

Education as it should be
For Mind, Body and Soul

2023 - 24

+ B.Sc. Computer Science

+ B.Sc. Data Science and Big Data Analytics

+ BCA Science

+ M.Sc. Computer Science

+ M.Sc. Data Science and Big Data Analytics

+ M.Sc. (Blockchain Technology)

+ MCA Science

+ MCA Information Technology & Management

REACH US @

WE LIVE
IN AN ERA OF
CREATIVE
PROGRESS

MIT-WPU School of
Computer Engineering
and Technology

MIT World Peace University is a premier educational institute shaping competent professionals for over four decades. The Department of Computer Science and Applications at School of Computer Engineering and Technology at MIT-WPU offers world-class undergraduate and postgraduate programmes which equip our students with the technological skills and practical know-how required to break into the competitive IT sector and climb the corporate ladder.

Taught by eminent academicians and industry professionals, the programmes train our students in the dynamic and ever-changing sectors like Blockchain, Data Science, Big Data Analysis, Cryptocurrency, Web development and more. The Department boasts of academic tie-ups with numerous renowned Universities across the globe which facilitates knowledge exchange through international immersion programmes and internships. Students also gain relevant experience from multiple hands-on projects that focus on imbibing critical thinking, problem-solving skills and encourage innovation at every step to create pathways for a bright career ahead.

Highlights

- Industry-oriented curriculum designed by industry experts
- Qualified faculty with rich industry, academia, and research experience
- Choice-based credit system
- Industrial exposure with industry Internship with reputed MNC in and around Pune
- MIT-WPU scholarship for meritorious students
- Placement assistance in companies like Deloitte Consulting, Cognizant, Infosys, L & T InfoTech etc.
- Industry visits in companies like Cybage, Inteliment, Xpansion International, Barclays, CISCO etc to give practical exposure to students
- Academic collaborations with renowned universities of the world for students and faculty exchange programmes and collaborative research projects
- Academic MoUs with MNCs in India and abroad
- Strong alumni network across the globe for networking and job opportunities
- International, national and rural immersion programmes to enrich students' personality.
- Yoga and peace studies for holistic development of students

Dr. Shubhalaxmi Joshi

Associate Dean,
Faculty of Science
MIT World Peace University, Pune

Associate Dean's Message

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 schools 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, industry-specific expertise and encourage your personal transformation. All our faculty is committed to teaching, in the context of applications which is important for careers in any sector of society. The faculty of science is striving hard towards 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 programmes under 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 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!

Dr. Chandrashekhar Patil
Head of School & Professor
MIT World Peace University, Pune

HoS's Message

Dear Students & Parents,

Welcome to the Department of Computer Science and Applications

The Department of Computer Science and Applications was founded in 2004. As a part of Dr. Vishwanath Karad MIT-World Peace University we follow the unique WPU method of imparting education.

This methodology rests on the foundation of Research Collaborations, Learning Pedagogy, Field Experiences and other Value Added Programmes that go Beyond Classroom learning. We offer multiple Bachelors and Masters programmes periodically reviewed and updated to incorporate the latest trends in the information & digital technology-driven society we find ourselves in. The School of Computer Science is one of the well-known and distinguished academic units in the University, with a well-placed network of alumni worldwide.

We are proud of our strong academic foundation which blends theoretical and practical knowledge to match the requirements and demands of the Technology Industry. We are committed to students by offering academic programmes that foster critical and analytical thinking and build the necessary skills to succeed. We are supporting our graduates to excel in their chosen profession.

I invite you to explore our website and get more information about our distinguished academic programmes, state of the art infrastructure and dedicated faculty members. It will give you a glimpse of life at MIT-WPU and our commitment towards excellence in education and in imparting knowledge.
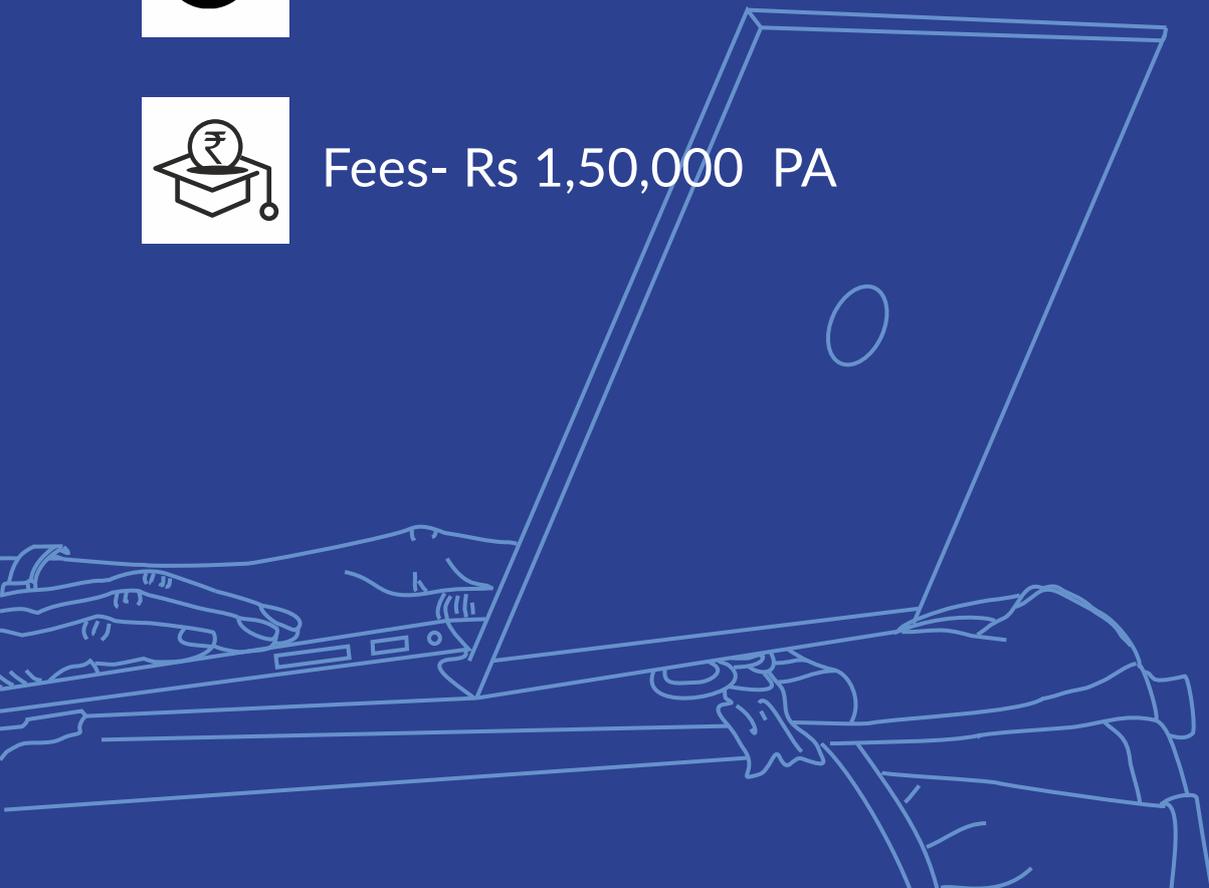
COURSES

B.Sc.
Computer Science

Bachelor of Science (Computer Science) is a full-time degree programme that trains our students in the various programming languages, databases, web development and more. Along with theoretical knowledge, our students develop their critical thinking, problem solving and analytical skills through hands-on training through various modules embedded in the programme. Students learn various industry-oriented courses like Web Technologies, AI&ML, IoT, Network Security, Advanced Java Programming, Applied Statistics and more through academic experts and guest lectures. The programme also offers a number of electives in each academic year including Intellectual Property rights, Data Mining, Cybersecurity, Data Science, Blockchain Technology and more. Numerous job options like Technical Analyst, Network Support Executive, Technical Support Developer, Web Developer, System Support Manager, Web Designer and more open up after completing the programme.

Duration- 3 years

Fees- Rs 1,50,000 PA

B.Sc.
Data Science and Big Data Analytics

Duration- 3 years

Fees- Rs 1,50,000 PA

The Bachelor of Science Computer Science (Data Science and Big Data Analytics) at MIT-WPU is an interdisciplinary degree that prepares the students in the various scientific methods and algorithms required to extract knowledge and insights from data. Designed by industry experts, the programme curriculum is a fine balance of subjects from core computer science, foundational mathematics, statistics, programming and research. The programme prepares our students for analytical and leadership roles through core components of the syllabus which includes data visualisation, IoT, algorithm design strategies, neural network and more. The students also get to choose between industry relevant electives like business analytics, software project management, web technology etc. They can make successful careers as Data Scientist, Data Architect, Machine Learning Engineer, Data Engineer, Machine Learning Scientist, Application Architect, Data Analyst, Business Intelligence Developer and more.
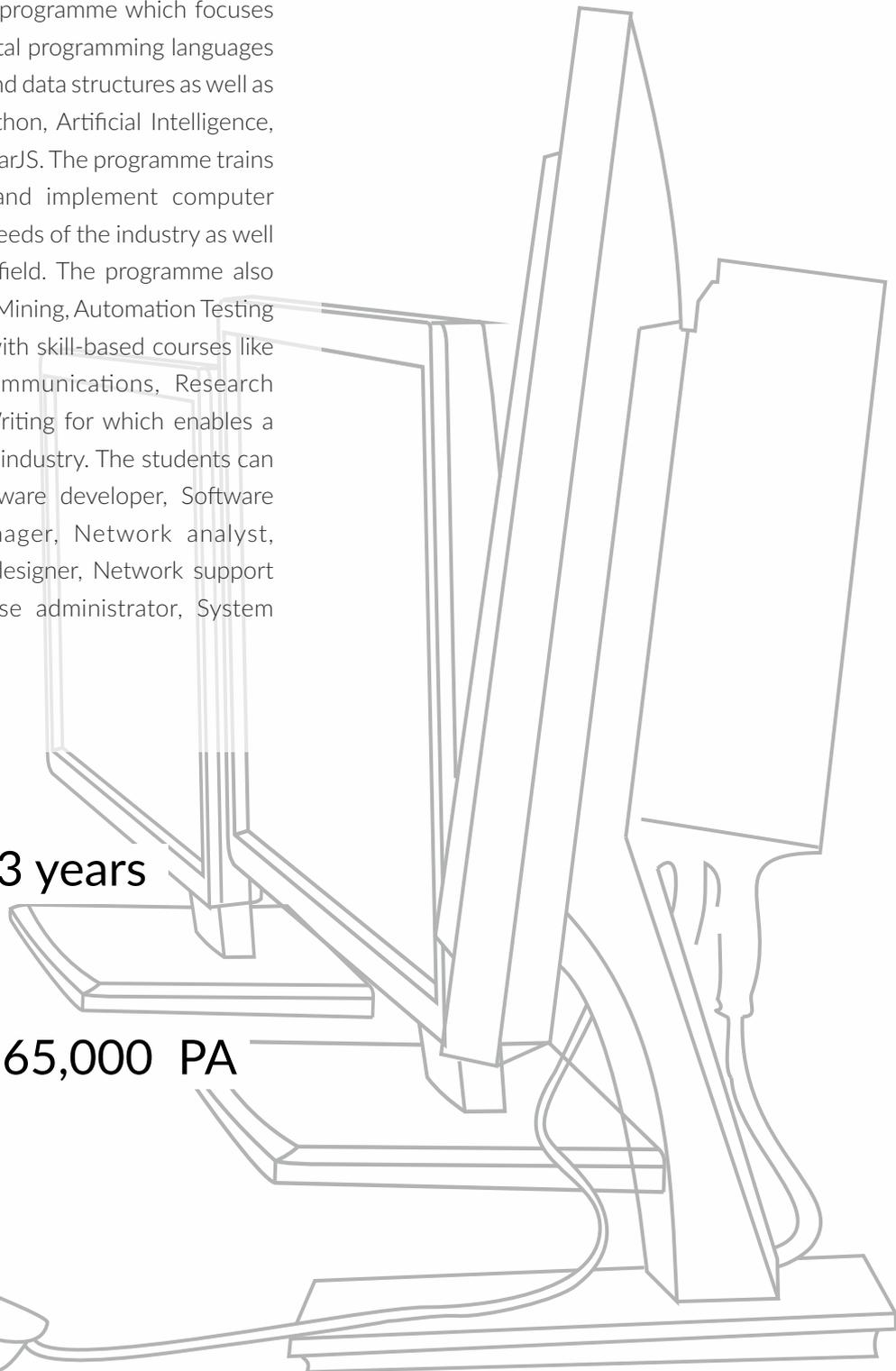
BCA
Science

Bachelor of Computer Application (BCA) is a full-time undergraduate computer application programme which focuses on training students in the fundamental programming languages (C and Java), databases, networking, and data structures as well as the current technologies such as Python, Artificial Intelligence, Machine Learning, Android, and AngularJS. The programme trains the students to design, develop, and implement computer applications for meeting a variety of needs of the industry as well as solving complex problems in the field. The programme also offers multiple electives such as Data Mining, Automation Testing and Database Administration along with skill-based courses like Recent trends in IT, Business Communications, Research Methodology and Research Paper Writing for which enables a smooth transition from college life to industry. The students can pursue successful careers as Software developer, Software Programmer,System support manager, Network analyst, Technical Support Developer, Web designer, Network support executive, Web developer, Database administrator, System analyst and more.

Duration- 3 years

Fees- Rs 1,65,000 PA

Master of Science (M.Sc. Computer Science) programme is designed to develop student's knowledge of computer science and train them to design systems, and develop real-life software applications in a number of domains like Artificial Intelligence, Data Science, Web Development, etc by using the perfect blend of theory and practical knowledge. The specially designed curriculum includes courses like Advanced Operating System and Network Security for giving students an in-depth understanding of operating systems and the issues related to security in networking. The syllabus includes mini projects, hands-on assignments, immersion programmes and industry visits for a practical learning approach. The students can choose from a number of elective courses which include state of art technologies like Microservices with Java, Next Generation Databases, Deep Learning, Internet of Things, DevOps and so on, keeping in mind the future requirement of the industry. On completion of this programme successfully, the students can make careers as Software Engineers, Software Developers, System analysts, Software Consultants, Software Application Architect, Hardware Engineer, Web Designer and more.

Duration- 2 years

Fees- Rs 1,45,000 PA

M.Sc.
Computer Science

M.Sc.
Data Science and
Big Data Analytics

Data Science and Big Data Analytics deals with the collection and analysis of large amounts of data for understanding user behaviour to draw viable, actionable conclusions, make plans, implement policies and make better, data-driven decisions. The two-year M.Sc. Data Science and Big Data Analytics at MIT-WPU is an interdisciplinary programme that combines knowledge from statistics, mathematics and software programming.The programme trains our students to collect, store, organize and analyse data and implement analytics processes to attain their respective project goals. The programme trains our students in Data Warehousing, Machine Learning, Big Data Architecture, Python, Cloud computing through mini-projects and hands-on assignments.Our students are introduced to data visualisation tools like Microsoft PowerBI and Tableau, No-SQL Databases and also includes multiple professional electives like Business Analytics, Data Analytics Pipeline and Big Data Security. Students completing the programme can take up positions as Data Scientists, Big Data Analysts, Big Data Engineers, Big Data Solution Architects, Metric and analytics specialists, Power BI /Tableau developers, Python Developers, Machine Learning Engineers, Machine Learning Architects and more.

Duration- 2 years

Fees- Rs 2,25,000 PA

M.Sc.
(Blockchain Technology)

Duration- 2 years

Fees- Rs 2,25,000 PA

Blockchain refers to a digital ledger of transactions distributed across an entire network of computer systems. M.Sc in Blockchain Technology at MIT-WPU trains our students in the core concepts of blockchain like Advance database management systems, blockchain ecosystem, Management information system, network security, cryptography, blockchain architecture and more. The students are trained by academicians as well as experts from the industry to work on enormous datasets, analyse statistical algorithms, tackle practical issues and create predictive models. They are encouraged to conduct research, publish their work in renowned publications, and participate in Blockchain Hackathons and various industry projects. They can make fulfilling careers as Blockchain developers, Blockchain Solution Architects, Blockchain Project Managers, Blockchain UX designers, Blockchain quality engineers, Blockchain legal consultants, Crypto Community Managers, Business Analysts and more.
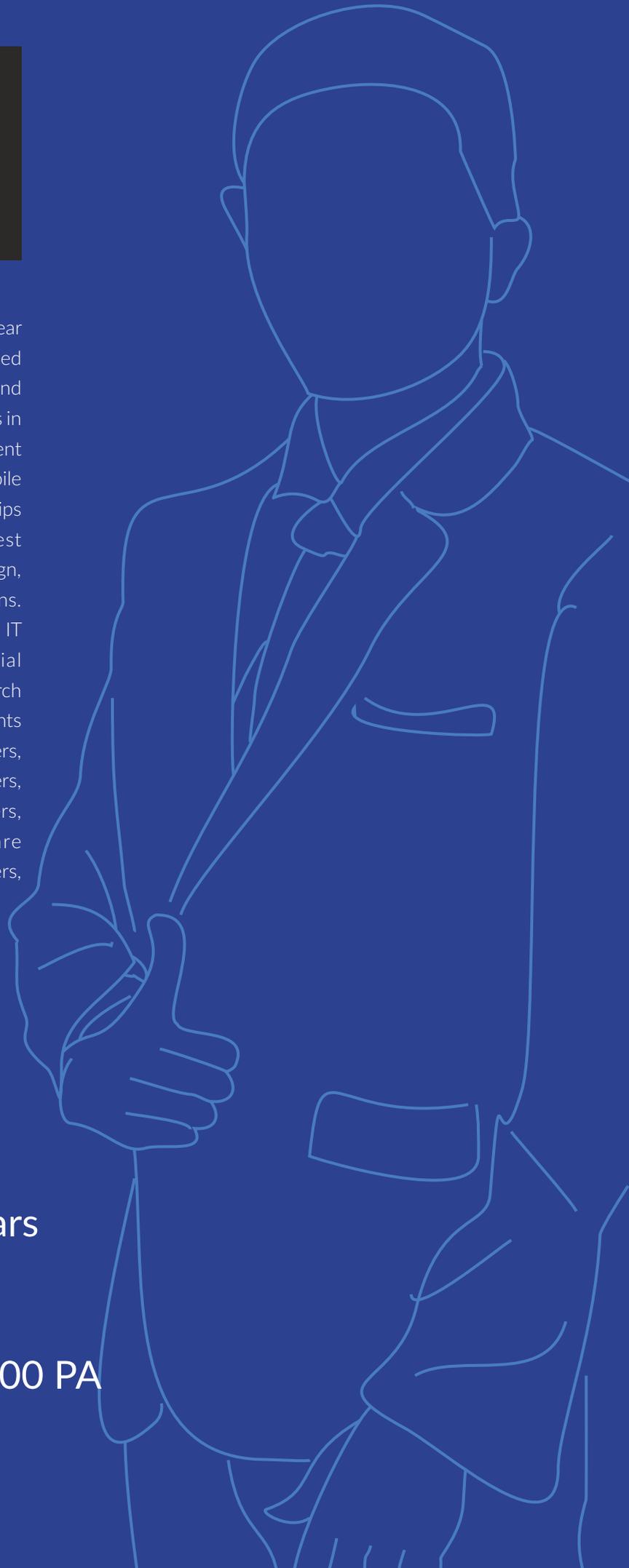
MCA
Science

The MCA Science at MIT-WPU is a two-year programme that blends the theoretical and applied knowledge of computer science, management and engineering. The programme trains our students in programming languages, databases, management systems, data science, web technology and mobile application development. The programme equips our students with the knowledge of latest applications, technologies and tools to design, develop and implement software applications. They are prepared for a fulfilling career in the IT industry, and academia through industrial internships, mini projects and a module on research paper and research proposal writing. Our students make successful careers as Software Developers, Computer System Analysts, Software Engineers, Database Administrators, Software Publishers, Software Application Architects, Software Consultants, Hardware Engineers, Web Designers, Technical Consultants and more.

Duration- 2 years

Fees- Rs 2,00,000 PA

MCA
Information Technology and Management

MIT-WPU's MCA Information Technology and Management is a two year full time programme in which our students gain an in-depth understanding of the key IT management areas such as application development, data analytics, business intelligence, IT strategy and research. They learn the numerous methodologies and strategies to effectively maintain user and organisational databases and design user interfaces. Project based learning, multiple certificate courses and six-month industry internships based on Analysis and Software Requirement Specification (SRS) Design further enrich both the learning process and outcomes for the students. Through various specialisations, our students are trained in the basic and advanced IT skills which are crucial in today's businesses. These skills, along with the application oriented training in leadership, problem solving, data analysis and synthesis, team dynamics and business intelligence and ethics, ingrain managerial and directorial competencies in our students.

Duration- 2 years

Fees- Rs 2,25,000/-

Eligibility

BSC and BCA Science

- 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)

Or

- ● 55% & above aggregate score in any Engineering Diploma from Any UGC approved Institution AND 55% & above aggregate score in MIT-WPU CET

MSC

- 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

MCA Science and MCA Information Technology and Management

- 60% in graduation in any stream from UGC approved Institution (at least 55 % marks, in case of Backward class categories candidates belonging to Maharashtra State only)
- Valid MIT-WPU CET / MAH CET Score (Candidates who appeared for MIT-WPU CET should submit a valid score for MAHCET) and 60% & above Personal Interview

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Scholarship

MIT-WPU offers scholarships to reward and motivate meritorious students with financial assistance based on their academic performance, performance in requisite National Level Tests, and in the MIT-WPU internal test- MIT-WPU CET for the AY 2023-24. These scholarships are applicable for the entire 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 Sportsperson AY 2023-24
- Scholarship Awarded to Wards of MIT-WPU/ MAEER's Staff Members

For more information visit
https://admissions.mitwpu.edu.in/scholarship/

Internships

Experiential learning is an integral component of learning at MIT-WPU. A full-time industry internship is an essential part of every undergraduate and postgraduate programme offered by the Department of Computer Science and Applications. 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 undergraduate and postgraduate degrees at the university 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.

Industry Academia Tie-up

Testimonials

>>>>> I am a second year student of M.Sc. Data Science & Big Data Analytics. The course is well-structured and helps establish an arsenal of skills required in data science. It is industry-centric and covers a wide range of tools and methodologies which has undoubtedly made me confident in numerous subjects such as deep learning, big data, data analysis and mathematics. I am currently working as Business Analyst in the TRON Business Function with CISCO as Intern.

Vrushabh Chauhan

>>>>> I am a second year student of MCA (Science). My experience at MIT-WPU has been an enriching one. The supportive faculty members as well as the interesting projects are helping me learn a lot about the field. I also feel that the various projects and the immersion programmes are very conducive to my growth.

Avadh Pujara
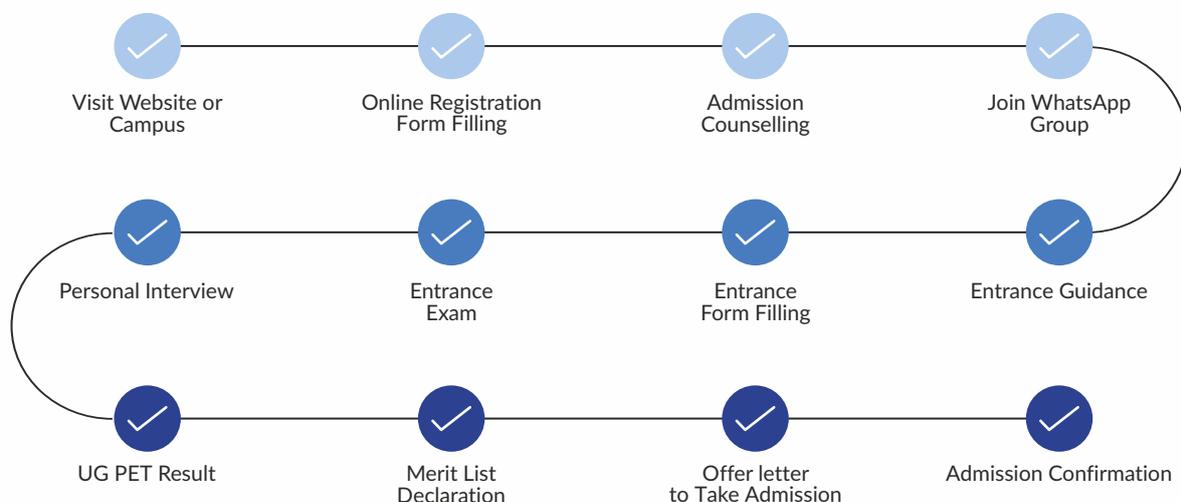
Life @ Campus

Tell me and I forget

Teach me and I remember

Involve me and I learn

Admission Process

Visit Website or Campus

Online Registration Form Filling

Admission Counselling

Join WhatsApp Group

Personal Interview

Entrance Exam

Entrance Form Filling

Entrance Guidance

UG PET Result

Merit List Declaration

Offer letter to Take Admission

Admission Confirmation

Scan to apply

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