Executive MTech
IN
Artificial Intelligence

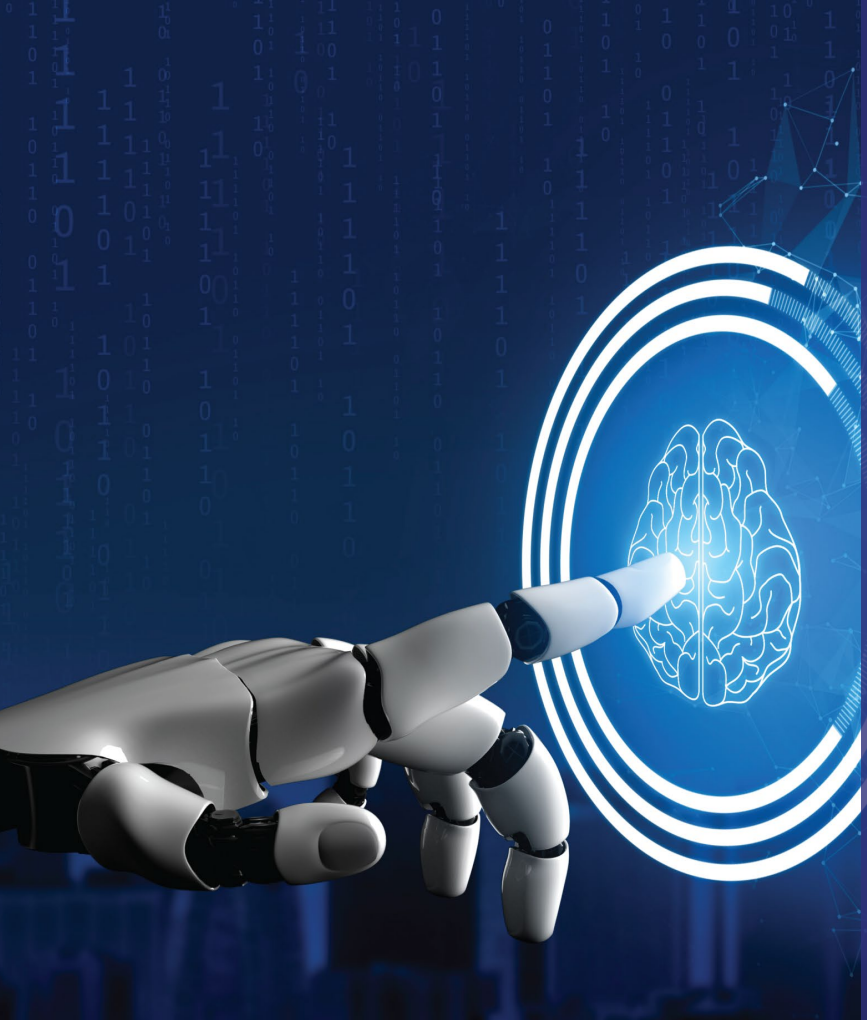
2 Years I Online Immersive Sessions I Graduate from an IIT

WHY UPSKILL FROM IIT BHILAI?

Indian Institute of Technology (IIT) Bhilai was established in the state of Chhattisgarh by the Ministry of Education in the year 2016.

IIT Bhilai is presently housed in its permanent campus at Kutelabhata, Bhilai, Chhattisgarh.

At IIT Bhilai, we understand the demands of the dynamic corporate landscape, and our Executive MTech programs are meticulously crafted to provide a seamless blend of academic excellence and real-world applicability. Whether you aspire to advance in your current role, switch career paths, or stay ahead of industry trends, our Executive MTech courses offer the strategic edge you need to thrive in a competitive landscape.



Program Overview

The Executive MTech in Artificial Intelligence is a cutting-edge course designed to empower professionals with in-demand AI skills and knowledge. This program provides a comprehensive understanding of AI concepts, tools, and applications, equipping participants to leverage AI for innovative problem-solving and strategic decision-making. Through interactive sessions led by industry experts, participants explore key areas such as machine learning, neural networks, natural language processing, and AI-driven automation. The curriculum is designed to balance theoretical insights with practical, hands-on projects, ensuring real-world applicability.

Who Can Apply?

- Min 2 years of Experience within preceding 5 Years
- Should have B.Tech/ BE/ M.Tech/ MSc (In Relevant Field- 4 Semester Program) / MCA (4 Semester Program) / MS Degree (min. 4 Semester Program).
- In the qualifying degree at least 55 percent marks or equivalent 5.5 CGPA/CPI must be there. In case of the candidate belonging to SC, ST, or Persons with Disability (PwD) category, this is relaxed to 50% or equivalent 5.0 CGPA/CPI. For MCA/MSC passed graduates, the percentage score of MCA/MSC would be considered. For BE/BTech Engineering graduates without PG specialization, the percentage score of the undergraduate degree would be considered. For a post graduation in the Engineering field of study, PG score qualification can be considered.
- Selection process will be scheduled post counseling & application process, depending on the number of eligible applications as per seat availability for the program. This entire process will be online.

PROGRAMME OBJECTIVES

- To build a strong foundation in AI principles, including probability, statistics, and linear algebra.
- To gain expertise in machine learning basics and advanced deep learning techniques.
- To acquire specialized knowledge in computer vision and image processing for real-world applications.
- To explore advanced AI topics such as explainable AI, ethical AI, and governance.
- To develop practical skills through hands-on projects, including minor, major, and capstone projects.
- To learn the applications of AI in domains like smart cities, healthcare, and autonomous vehicles.
- To enhance proficiency in emerging technologies like distributed AI systems and Edge AI.
- To apply advanced data analytics techniques for AI-driven decision-making.
- To integrate robotics and AI for innovative industrial and research applications.
- To gain practical experience through campus immersion and elective projects tailored to industry needs.

PROGRAMME HIGHLIGHTS

Comprehensive Industry-Aligned Curriculum
Learn the latest in data science and analytics, including machine learning, big data technologies, and predictive modeling, ensuring relevance to modern industry demands.

Flexible Online Learning for Professionals
The fully online mode allows you to balance your work commitments while advancing your expertise, with live sessions and self-paced study options.

Expert Faculty and Industry Mentors
Gain insights from IIT Bhilai's distinguished faculty and experienced industry professionals, combining academic excellence with real-world expertise.

Prestige
Certification from one of India's most renowned institutions, boosting your professional credentials.

Career-Focused Outcomes
Equip yourself with in-demand data science skills and earn an IIT Bhilai certification, giving you a competitive edge and unlocking new career opportunities in the data-driven economy.

Virtual Instructor-Led Training
Learn through Virtual Instructor-Led Training (VILT)

CORE LEARNING OUTCOMES

Strong Foundation in AI Principles
Develop a comprehensive understanding of AI concepts, including its foundations in probability, statistics, and linear algebra, enabling participants to grasp the underlying mechanics of intelligent systems.

Expertise in Machine Learning and Deep Learning
Gain proficiency in designing and implementing machine learning models and neural networks, along with advanced deep learning techniques for diverse applications.

Mastery in Computer Vision and Image Processing
Acquire specialized skills in processing and analyzing visual data, enabling the development of AI-powered solutions in domains like surveillance, healthcare, and robotics.

Ability to Choose and Specialize in Advanced AI Topics
Explore elective courses such as Explainable AI, Advanced Deep Reinforcement Learning, or Quantum Machine Learning, tailoring expertise to specific industry needs.

Application of AI in Real-World Scenarios
Understand how to apply AI solutions across domains like healthcare, smart cities, autonomous vehicles, and cybersecurity, ensuring practical and impactful implementations.

Leadership in Ethical AI and Governance
Learn to navigate the ethical challenges and governance policies surrounding AI applications, fostering responsible innovation and decision-making.

Proficiency in Distributed and Edge AI Systems
Build advanced knowledge in distributed AI and Edge AI for developing scalable, efficient, and localized intelligent solutions.

PROGRAM STRUCTURE

Sem	Course Code	Course Name	L-T-P-C	Credits	Course Category
I	AI501	Foundations of Artificial Intelligence	3-0-0-3	3	Core
I	AI502	Probability, Statistics, and Linear Algebra for AI	3-0-0-3	3	Core
I	AI503	Machine Learning Basics	2-1-0-3	3	Core
II	AI504	Deep Learning and Neural Networks	3-0-0-3	3	Core
II	AI505	Computer Vision and Image Processing	3-0-0-3	3	Core
II	AI5XX	Advanced AI Electives - 1	3-0-0-3	3	Elective
II	AI700	Capstone Project	0-0-8-4	4	Project (P)
III	AI5XX	Advanced AI Electives - 2	3-0-0-3	3	Elective
III	AI5XX	AI Applications Electives	3-0-0-3	3	Elective
III	AI5XX	Electives - (any group)	4-0-0-4	4	Elective
III	AI506	Minor Project	0-0-4-2	2	Project
IV	AI507	Major Project	0-0-12-6	6	Project
IV		Campus immersion program / Elective	0-1-6-4	4	

Category	Course Code	Elective Courses	L-T-P-C	Credits
Advanced AI Electives	AI5XX	Explainable AI	3-0-0-3	3
	AI5XX	AI in Healthcare	3-0-0-3	3
	AI5XX	Advanced Data Analytics for AI	3-0-0-3	3
	AI5XX	Distributed AI Systems	3-0-0-3	3
	AI5XX	Advanced Deep Reinforcement Learning	4-0-0-4	4
	AI5XX	Ethical AI and Governance	4-0-0-4	4
AI Applications Electives	AI5XX	AI in Smart Cities	3-0-0-3	3
	AI5XX	Robotics and AI Integration	3-0-0-3	3
	AI5XX	AI-Driven Decision Making	3-0-0-3	3
	AI5XX	AI for Autonomous Vehicles	4-0-0-4	4
	AI5XX	Generative AI Models	4-0-0-4	4
Emerging AI Technologies	AI5XX	Edge AI and IoT	4-0-0-4	4
	AI5XX	Quantum Machine Learning	4-0-0-4	4
	AI5XX	AI in Governance and Compliance	3-0-0-3	3
	AI5XX	AI-Powered Cybersecurity	3-0-0-3	3
	AI5XX	Advanced Topics in AI for Industry 4.0	4-0-0-4	4

Program Elective and Open Elective courses, along with their credits, are tentative and subject to change

PROGRAM ADMISSION JOURNEY

STEP 1:
Fill up an online application form, upload the required documents and submit application

STEP 2:
Make the application payment

STEP 3:
Shortlisting based on work, and education profile

STEP 4:
If shortlisted, you will receive an offer letter from IIT Bhilai

STEP 5:
Pay admission confirmation fee within 7 days of receiving the offer letter

Note: The application fee once paid is not refundable. IIT Bhilai reserves the right to conduct the admissions process. By submitting the application, the students agree that any decision regarding Admissions from IIT Bhilai will be final and binding.

Fee Structure

Executive MTech in Artificial Intelligence

Application Fee (Non-Refundable)	₹ 5,000/-			
Fees	Instalment 1	Instalment 2	Instalment 3	Instalment 4
	₹ 1,05,000/-	₹ 1,05,000/-	₹ 1,05,000/-	₹ 1,05,000/-
Total Fees	₹ 4,25,000/-			

Cancellation & Fee Refund Policy:

- **Application Fee: Non-refundable.**
- **Course Fee Refund:**

A refund of 90% of the paid course fee will be issued if a request is raised before the Batch commencement date.

No refund will be provided on or after the batch commencement date.

क्रम सं./Serial No. 2022/0014 अनुक्रमांक सं./ID No. 12010230

भारतीय प्रौद्योगिकी संस्थान भिलाई

शिक्षा परिषद की अनुशंसा पर एवं पाठ्यक्रम की निर्धारित
अर्हताओं एवं शोध को सफलतापूर्वक पूर्ण करने पर

XYZ शर्मा

को

कृत्रिम बुद्धिमत्ता में
कार्यकारी मास्टर ऑफ टेक्नोलॉजी

की उपाधि प्रदान करता है।

संस्थान द्वारा मुद्रांकित यह उपाधि दिनांक अठारह जून दो हज़ार बाईस
को प्रदान की गई।

SAMPLE

INDIAN INSTITUTE OF TECHNOLOGY BHILAI

upon the recommendation of the Senate hereby confers

XYZ Sharma

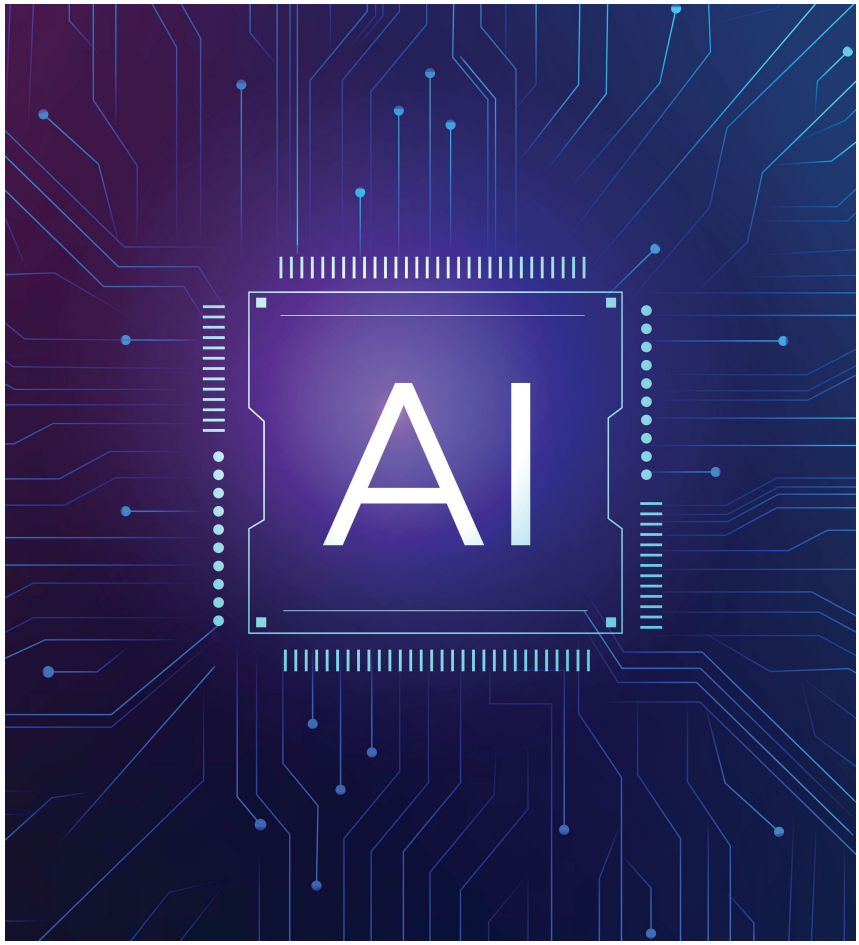
With the degree of

Executive MTech in
Artificial Intelligence

for successfully completing the prescribed program study
and presenting the thesis.

Given this day the Eighteenth of June, Two Thousand Twenty Two
under the seal of the Institute.

कुलसचिव Registrar	अध्यक्ष, शिक्षा परिषद Chairman, Senate	अध्यक्ष, संचालक मंडल Chairman, Board of Governors



Get In Touch With Us

For registration and any other information please get in touch with us at admission.iitbhilai@digivarsity.com

Contact us: 033-4058-6356