



Executive MTech IN Artificial Intelligence

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2 Years | Online Immersive Sessions | 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 M.Tech Executive in Artificial Intelligence at IIT Bhilai is designed for seeking to gain advanced knowledge and skills in Artificial Intelligence (AI). The program combines theoretical concepts with practical applications, enabling participants to design and deploy AI-based solutions for real-world challenges. The curriculum emphasizes machine learning, deep learning, natural language processing, computer vision, and AI ethics while fostering innovation and leadership in AI technologies.

The program is structured to be flexible and interactive, offering a blend of online classes, elective courses, and project-based learning to cater to the needs of working professionals. Graduates will be equipped to pursue roles such as AI researchers, data scientists, and AI consultants.

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.

DURATION

The nominal duration of the Executive M.Tech. program will be 2 calendar years / 4 semesters (online).

The nominal duration of the Executive M.Tech. program with an equivalency to the regular M.Tech. will be a 5 semesters (3 online, 2 offline). Please contact IIT Bhilai for further details.

PROGRAM EQUIVALENCY

This is an online Executive M.Tech. degree program, which is not equivalent to the regular M.Tech programs of IIT Bhilai. To get a degree equivalent to a regular M.Tech, the student has to opt for 26 credits offline thesis (at IIT Bhilai) after the 3rd semester. The offline thesis will be for two semesters (semester 4 and semester 5). The selection for the equivalency program will be based on qualifying the mandatory offline written exam and an interaction conducted by IIT Bhilai.

PROGRAM STRUCTURE

- » Total Credits: 40
- » Core Courses: 12-13 Credits
- » Elective Courses: 13-14 Credits (if the Campus immersion is opted), otherwise 15-16 credits.
- » Campus Immersion Program: 2 Credits (optional)
- » Project: 12 Credits (in 4th Semester)

PROGRAMME OBJECTIVES

Acquire a strong foundation in AI principles, methodologies, and tools.

Develop advanced technical skills in AI domains such as machine learning, deep learning, and NLP.

Gain expertise in designing and implementing AI solutions for real-world problems in various industries.

Understand ethical, societal, and governance implications of deploying AI technologies.

Foster innovation and critical thinking to contribute to AI research and advancements.

Build leadership and collaborative skills to lead AI-driven projects and multidisciplinary teams.





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)

PROGRAM CURRICULUM

Semester - I

Course Code	Course Name	L	T	P	C	Category
AI01	Introduction to Artificial Intelligence	2	1	0	3	Core Course
AI02	Mathematics & Programming for Artificial Intelligence	3	1	0	4	Core Course
AI03	Machine Learning	2	0	2	3	Core Course

Semester - I - Total Credits - 10

Semester - II

Course Code	Course Name	L	T	P	C	Category
AI04	Deep Learning	2	0	2	3	Core Course
AIEXX	AI Electives-1	3	0	0	3	Elective 1
AIEXX	AI Electives-1	3	0	0	3	Elective 2

Semester - II - Total Credits - 9

Semester - III

Course Code	Course Name	L	T	P	C	Category
AIEXX	AI Electives-2	3	0	0	3	Elective 3
AIEXX	AI Electives-2	3	0	0	3	Elective 4
AIEXX	AI Electives-2	3	0	0	3	Elective 5

Semester - III - Total Credits - 9

Semester - IV

Course Code	Course Name	L	T	P	C	Category
AIP01	Capstone Project	0	0	24	12	M Tech Project
OR						
AIT01*	Thesis	x	x	x	12	M.Tech Thesis

Semester - IV - Total Credits - 12

Semester - V

Course Code	Course Name	L	T	P	C	Category
AIT01*	Thesis	x	x	x	14	M.Tech Thesis

* Only for those who have opted for the equivalent degree to the regular MTech Program

Semester - V - Total Credits - 14

Students registered only for the Executive MTech (Online) Program:
Total Credits : 10 (Semester I)+ 9 (Semester II)+ 9 (Semester - III) + 12 (Semester - IV) = 40

Students opted for the equivalent degree to the regular MTech Program
Total Credits : 10 (Semester I) + 9 (Semester II) + 9 (Semester III) + 12 (Semester - IV) + 14 (Semester V) =54

Additional Notes:

Program Equivalency: The Executive MTech (Online) Program is not equivalent to the regular offline MTech program at IIT Bhilai.

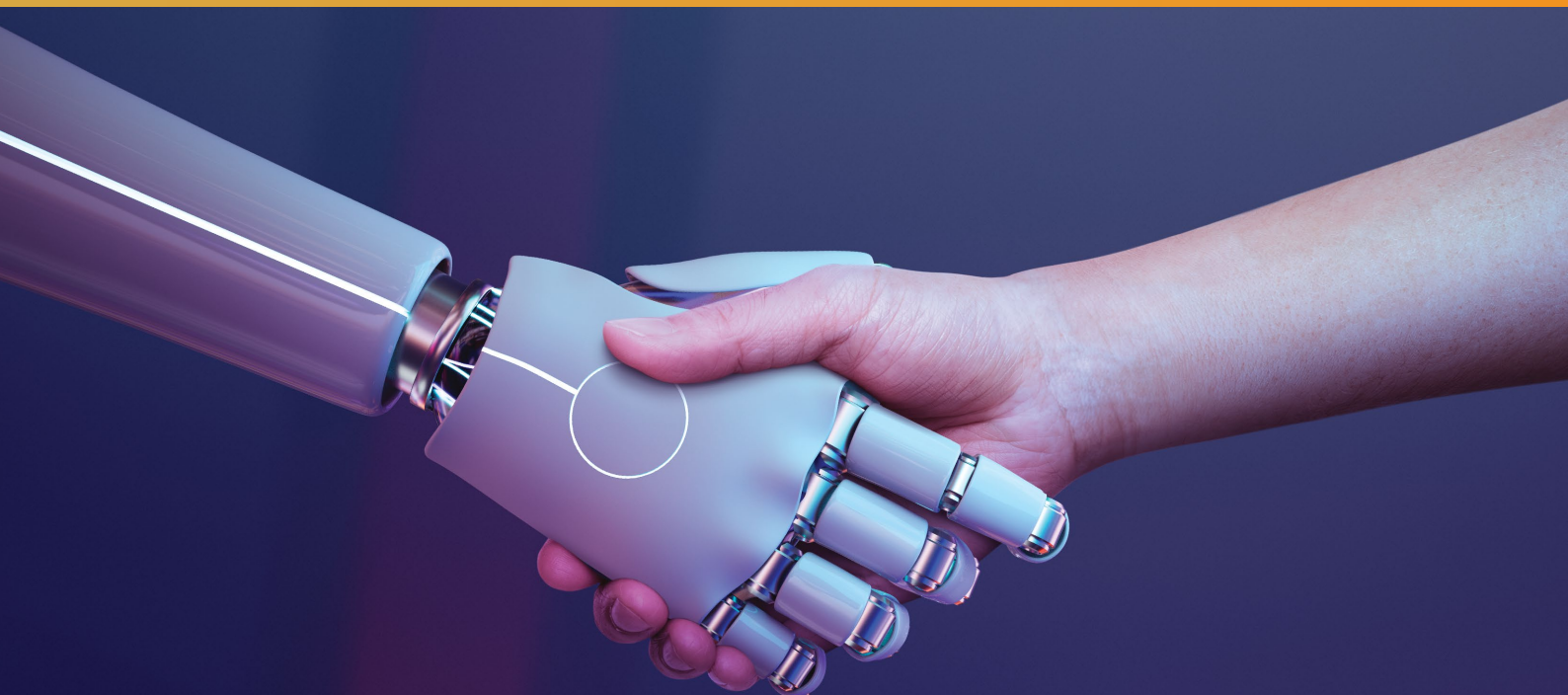
Thesis Requirements: To achieve equivalency with the regular offline MTech program, the candidate must complete a total of 26 thesis credits on campus from the fourth semester onwards.

BUCKET FOR ELECTIVES

Category	Sem	Course Code	Course Name	L	T	P	C
AI Electives - 1	2	AIE01	Reinforcement Learning	3	0	0	3
	2	AIE02	Natural Language Processing	3	0	0	3
	2	AIE03	Computer Vision	3	0	0	3
	2	AIE04	Systems for AI/ML	3	0	0	3

Category	Sem	Course Code	Course Name	L	T	P	C
AI Electives - 2	3	AIE04	Learning with Graphs	3	0	0	3
	3	AIE05	Distributed AI Systems	3	0	0	3
	3	AIE06	Generative AI	3	0	0	3
	3	AIE07	Agents and Prompt Engineering	3	0	0	3
	3	AIE08	AI for Industry (IoT, Robotics, UAV)	3	0	0	3
	3	AIE09	Security and Privacy of AI	3	0	0	3

Electives will be floated based on the availability of faculty members. This list may be updated from time to time and change batch-wise.



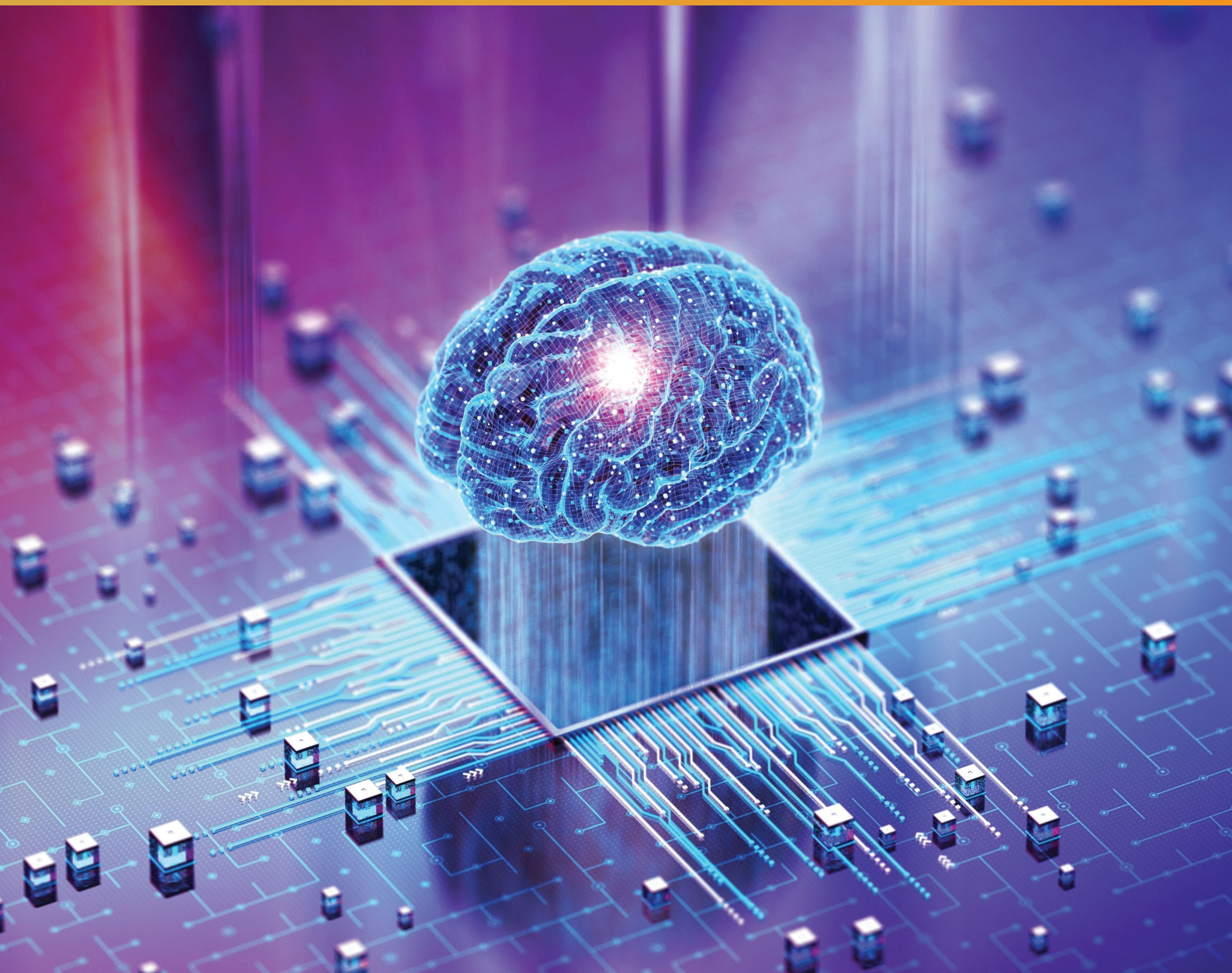
Evaluation



Students will be evaluated in each semester. In addition to continuous online evaluation (Mid semester exam / Quiz / assignment / assessment) in the core/elective courses running in the first three semesters, the end semester exams will be offline* proctored exams. The end-semester offline exams in the first three semesters will preferably be conducted at the IIT Bhilai campus to give the candidates an opportunity to visit and explore the IIT Bhilai campus. This may also be clubbed with other activities such as document verification, campus immersion, project team formation, and interaction with the mentors/supervisors, etc. Exams may be organized at other IIT Bhilai Centers, subject to higher demand.



The weightage of online evaluation and end-semester exams will be in the proportion of 40:60. To pass a course, a student must attain a minimum of 40% marks in the total marks.





CORE LEARNING OUTCOMES

- Demonstrate proficiency in core AI technologies, including neural networks, computer vision, and NLP.
- Analyze and solve complex problems using AI tools and techniques with an emphasis on optimization.
- Design, develop, and deploy AI-based systems while ensuring scalability and efficiency.
- Adhere to ethical standards and address societal impacts of AI applications.
- Effectively communicate AI concepts and solutions to stakeholders and multidisciplinary teams.
- Exhibit lifelong learning abilities to stay updated with emerging AI technologies and trends.

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
अहंताओं 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 हजार बाईस
को प्रदान की गई।



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.

Digitally Signed by
Dr. Jyoti Chandra P. and
Registrar of IIT Bhilai

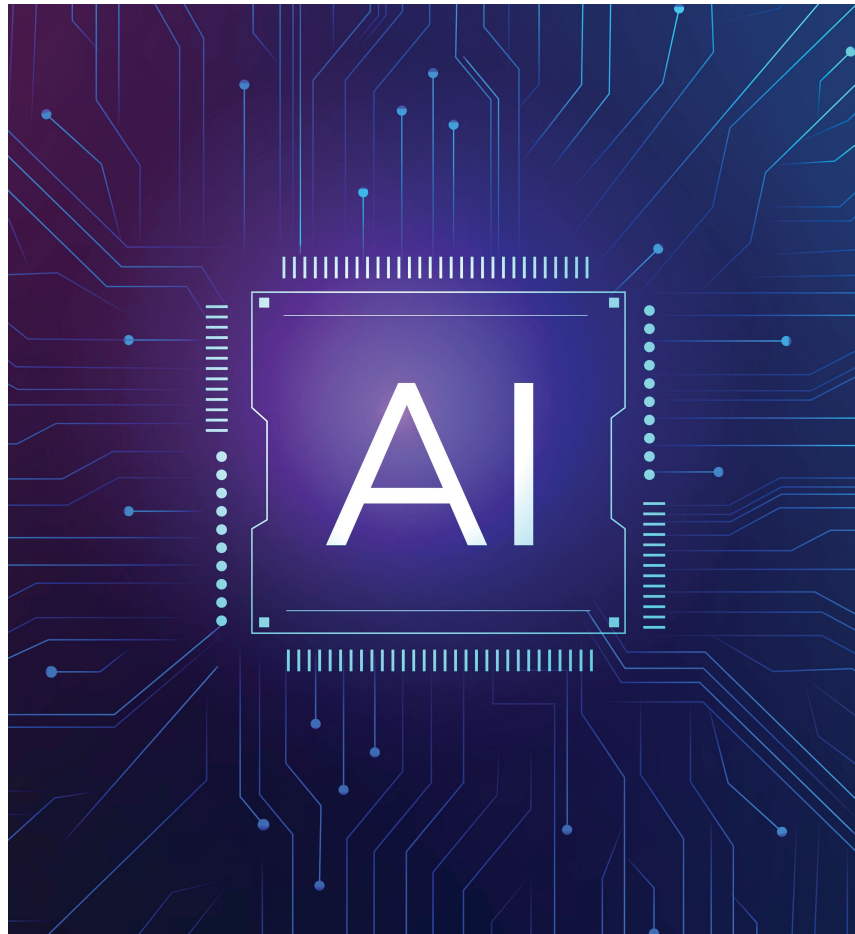
कुलसचिव
Registrar

Digitally Signed by
Prof. Ravi Kumar
Director of IIT Bhilai

अध्यक्ष, शिक्षा परिषद
Chairman, Senate

Digitally Signed by
K. Venkateswaram
Director of IIT Bhilai

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@digiversity.com

Contact us: 033-4058-6356