



भारतीय प्रौद्योगिकी संस्थान जोधपुर
Indian Institute of Technology Jodhpur



PG Diploma and MTech* in Artificial Intelligence

A Regular Master's Degree by the Centre for Continuing Education,
Indian Institute of Technology, Jodhpur

Futureense.uni
Admissions and Industry Partner



AY 2026-27 • Cohort 1 (Batch 5)

Apply Now →

*Conditions Apply (Admission to Executive Mode MTech. is subject to IIT Jodhpur's approval) The information provided in this brochure is official and final and supersedes all other information either exchanged or perceived.

Every Major Company in India Is **Rebuilding Around AI.**

The People Who Can Lead That Work **Don't Exist Yet.**

BFSI, healthcare, retail, manufacturing, every sector is rebuilding its core operations around AI. Companies are not looking for people who understand AI in theory. They are looking for engineers who can own AI in production.



That role is now the **most in-demand, highest-paying,** and **hardest-to-fill** position in the Indian job market.



1 in 10

For every 10 open AI roles in India, only 1 qualified engineer exists



53%

Of Indian employers say AI skills are the hardest to hire for



53%

Projected AI talent gap in India by 2026

The demand is real. The salaries reflect it.

What is missing is the supply.

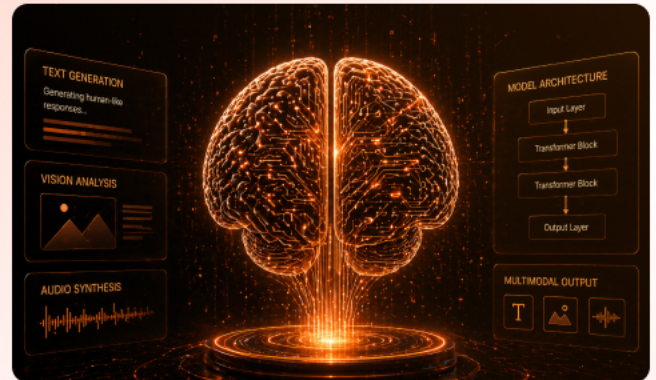
Four Pillars of Modern AI Engineering

This program isn't about learning AI in theory. It's about **mastering the four systems** that companies are actually deploying in 2026.



Applied ML and Deep Learning

Train, evaluate, and deploy models that hold up under real data and real load. From classical ML to neural networks that power production systems.



Generative AI, LLMs, and Multimodal AI

Build with frontier models. Understand the architectures. Own the outputs. Work with text, vision, and audio systems that generate intelligent responses.



MLOps and AI Product Engineering

Close the gap between a working model and a shipped product. Version control, monitoring, deployment pipelines, and scaling strategies for AI systems.



Scalable AI Deployment Across Industries

Build AI that works at scale in BFSI, healthcare, retail, and manufacturing. Industry-specific constraints, regulatory compliance, and real-world implementation.

The Market Is Open.

The Question Is Whether You Walk Into It or Watch It From the Outside.



Without The Right Foundation

YEAR
01

An entry-level role. Waiting for an AI project to land on your desk.

YEAR
02

Lateral applications and upskilling courses, trying to close a gap that keeps widening.



With This Degree

YEAR
01

Building real AI systems at IIT Jodhpur under IIT faculty.

YEAR
02

Graduating with deployed projects, a Regular MTech from IIT Jodhpur, and offers between **Rs 15 to 70 LPA.**



The difference is not how much you know. It is **what you can prove**, and **who is standing behind that proof.**

This Degree Is For You If



You just finished your B.Tech and want your career to begin inside AI, not work its way there over five years.



You are mid-career and want a real reset, the ceiling without the right credential is real, and this is the structured way through it.



You want to switch into AI completely - not a course, a degree, with the institutional weight to back it.

Message from the **The Director**



Prof. Avinash Kumar Agarwal

Director, IIT Jodhpur

"Our vision is to equip learners pursuing PGD & MTech. in Data Engineering program with the necessary modern skills and competencies to participate in a rapidly transforming technological knowledge ecosystem, shaped by data engineering and artificial intelligence. This will ensure a workforce ready for the new and emerging job roles putting India at the forefront of the rapid global technological advancements."

Prof. Avinash Kumar Agarwal is currently the Director at IIT Jodhpur. Prior to joining IIT Jodhpur, he served as an SBI Endowed Chair Professor and J C Bose National Fellow at the Department of Mechanical Engineering, IIT Kanpur. His research interests include IC engines, combustion, alternative fuels, optical diagnostics, particulate and emission control etc.

Prof. Agarwal has published over 540+ peer-reviewed international journal and conference papers, 70+ edited books, 125+ book chapters attracting more than 17500+ Scopus and more than 26000+ Google scholar citations. He is the associate principal editor of prestigious "Fuel" Journal. For his outstanding contributions, Prof. Agarwal has been conferred upon several prominent recognitions and awards such as J C Bose National Fellowship (2019) by SERB, the Clarivate Analytics India Citation Award (2017) in Engineering and Technology and prestigious Shanti Swarup Bhatnagar Prize (2016) in Engineering Sciences.

He is an elected Fellow of the Society of Automotive Engineers International (USA), American Society of Mechanical Engineers, Indian National Academy of Engineering, Royal Society of Chemistry, National Academy of Science Allahabad, American Association for Advancement in Science (USA), Combustion Institute (USA), and The World Academy of Sciences.

Program Director



Prof. Anil Kumar Tiwari

Professor, IIT Jodhpur

Prof. Anil Kumar Tiwari is a distinguished expert in image processing, video coding, and signal processing. He is currently a Professor in the Department of Electrical Engineering at IIT Jodhpur. With a strong academic background, he completed his B.E. in Electronics Engineering from Nagpur University in 1990, followed by an M.Tech. in Electrical Engineering from IIT Kharagpur in 2001. He earned his Ph.D. in Electronics and Electrical Communication Engineering from IIT Kharagpur in 2007.

About the Program

PG Diploma and MTech. in AI

This MTech. in AI at IIT Jodhpur will offer students with **deep knowledge of both fundamental AI technologies, as well as application-oriented AI**. A student completing this program will be capable to undertake careers in industry as well as academia. He/She will have the option to explore a variety of domains including Manufacturing, Fintech, Healthcare, Agriculture/Food Processing, Education, Retail/ Customer Engagement, Human and Robot interaction/ intelligent automation, Smart City, Aid for Differently Abled/Accessibility Technology.

01



Cutting-edge Curriculum

IIT Jodhpur's MTech. Program features an industry-integrated curriculum that focuses on emerging technologies, data analytics, and technology applications. The curriculum is regularly updated to keep pace with industry trends.

02



Industry Relevant Electives

The program offers a diverse array of electives under the MTech. Program track. From Social Network Analysis, Principles of Biological Vision, Cyber Security, GPU programming, and Introduction to Blockchain, students can tailor their specializations to match their career aspirations in the dynamic field of technology.

03



Expert Faculty

Learn from distinguished faculty comprising renowned IIT Jodhpur Faculty, who bring in the best academic experiences into the classroom, nurturing as well as challenging students at the same time. The rigorous program with Multiple Assessments, Assignments and Examinations ensures a solid learning outcome.

04



Application Focused Learning from Top Industry Leaders

Gain insights on industry challenges, tech opportunities, and practical examples shared by key leaders while networking extensively within the industry.

05



Experimental and Immersive Learning

The program integrates industry use cases, mini-projects, assignments, and capstone projects. This hands-on approach ensures that students are well-prepared to apply their knowledge in real-world scenarios.



What You Get

Skills. A degree. Proof. And a network that actually helps.



Regular MTech Degree from IIT Jodhpur

From one of India's most entrepreneurial and innovation-ranked institutions.



Deployed Project Portfolio

AI systems you built, tested, and can walk any interviewer through.



Production-Ready Capstone

A multi-phase industry project you design, deploy, and defend.



IIT Lab Access

Research-grade infrastructure during campus immersion weeks.



IIT Jodhpur Alumni Status

Access to one of India's most active innovation networks from Day 1 of graduation.



35 Academic Credits

Full credit load. Graded by IIT Jodhpur faculty.



Curriculum*

Year 01

will cover the following key subject areas:

- ▶ Machine Learning
- ▶ Artificial Intelligence
- ▶ Optimization for Data Science
- ▶ Advanced Data Structures and Algorithms
- ▶ ML-Ops
- ▶ Deep Learning
- ▶ DL-Ops
- ▶ Program Elective 1
- ▶ Intellectual Property
- ▶ Technical Communication
- ▶ Advanced Artificial Intelligence/ Autonomous System
- ▶ Program Elective 2
- ▶ Program Elective 3
- ▶ Ethics and Professional Life

*Note: The curriculum is subject to periodic updates based on industry advancements and academic inputs by IIT Jodhpur.



Program Outcomes

By the end of this program, you will be able to:

01

Build intelligent applications using **Machine Learning and Deep Learning** techniques to solve real-world problems.

02

Design and Develop **AI-powered Systems** by working with modern algorithms, neural networks, and advanced architectures.

03

Architect end-to-end **AI-first Solutions**, combining classical ML with Deep Learning and Generative AI.

04

Develop and Deploy **Autonomous AI Systems** using frameworks for reinforcement learning and multi-agent coordination.

05

Design and implement **Scalable AI Pipelines** optimized for training, inference, and production deployment.

06

Build **Generative AI Applications** including prompt engineering, fine-tuning strategies, and LLM-based solutions.

07

Use **Cloud Platforms** to develop AI-native architectures, including model serving, monitoring, and MLOps workflows.

08

Apply **Computer Vision and NLP techniques** in conjunction with Deep Learning to create intelligent systems.

09

Design and Deploy **Real-time AI Systems** capable of handling streaming data and adaptive decision-making.

10

Work on end-to-end **AI System Development**, including ethics, interpretability, and responsible AI practices.



Everything You Need to Know

DURATION

12 Months

(330 Hours)

ACADEMIC CREDITS

30 Credits

Full credit load graded by IIT Jodhpur faculty

PROGRAM MODE

Live Online Sessions

Campus Immersion
(5-7 days per year)

DEGREE

**Post Graduate Diploma
in Artificial Intelligence**

COMMENCEMENT

August 2026

(Tentative) Cohort 1 (Batch 5)

PROGRAM FEE

₹ 3,55,000 Total*

Year 1: ₹3,25,000
Administrative Fee: ₹20,000
Application Fee: ₹10,000

*Includes application fee, immersion, examination fees



**EMI Options
Available**

6, 9, 12, and 24-month tenures
Approx. ₹17,000/month over
24 months

Partners:

 **propelld**

 **AVANSE**
FINANCIAL SERVICES

 **NORTHERN
ARC**



Eligibility



ELIGIBILITY FOR

PG Diploma Only



Minimum 50% in Undergraduation or Postgraduation BTech Degree, BSc plus MSc, BCA plus MCA, or a STEM field



Minimum **1 year of work experience** after qualifying degree



Must qualify the **pre-screening test**



ELIGIBILITY FOR

PG Diploma + M.Tech Pathway*



Minimum 60% in Undergraduation BTech Degree, BSc plus MSc, BCA plus MCA, or a STEM field



First division in Under-graduation or Post-graduation



Minimum **2 years of work experience** after qualifying degree



Must qualify the **pre-screening test**



Minimum CGPA of 6.0 and above in PGD to transition to MTech

*Admission to MTech in Executive Mode is based on the discretion of the Program Director.

Bridge Course

No Extra Cost, Fully Sponsored

FutureNSE Bridge Course Program - Foundation for Success

To ensure all students enter the program with a solid foundation, FutureNSE offers complimentary bridge courses before the start of the IIT Jodhpur MTech program.



Math Refresher

Brush up on essential mathematical concepts including linear algebra, calculus, probability, and statistics - the building blocks of AI and machine learning.



Programming

Get comfortable with Python programming, data structures, and algorithmic thinking to hit the ground running.

01 Maths Refresher

02 Programming Foundations

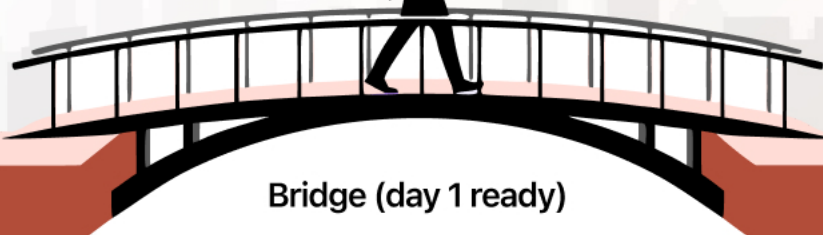
03 Databases with MySQL

04 Machine Learning Essentials

05 GenAI, Agentic AI and Prompt Engineering

These bridge courses are designed to level the playing field, ensuring every student - regardless of background - enters the **IIT Jodhpur program** prepared and confident.

Enrolled



Program Starts








Bridge (day 1 ready)

Where you are now ●

➤ You are ready

Student Journey

YOUR PATH
TO
IIT JODHPUR

- 01 ▶  Submit your **Application**
- 02 ▶  Appear for the **Pre-screening Test**
- 03 ▶  Pay the **Application Processing Fee**
- 04 ▶  Receive your **Offer Letter** from IIT Jodhpur and **Complete your Full Payment**
- 05 ▶  Strengthen your Foundations through **Futurense Bridge Courses**
- 06 ▶  Begin your **IIT Jodhpur PG Diploma Degree**
- 07 ▶  Become an **IIT Jodhpur PG Diploma Graduate**



Transfer your credits towards
**IIT Jodhpur Executive Mode
M.Tech. Program!***

*Based on PD's discretion and the graduating requirements, you can transition to the M.Tech. Program delivered in Executive Mode.



Post IIT Jodhpur PG Diploma

Complete MTech. Degree in Executive mode in 1 year!

Enhance your professional growth by leveraging your academic credits from the **PG Diploma Program** and transfer to **IIT Jodhpur's MTech. program in executive mode** to unlock new career opportunities.*

Eligibility Criteria: Based on PGD performance and discretion of the Program Director.

Program Fee: INR 2,40,000**

For More Information: office_eep@iitj.ac.in

Students have preferred opting for MTech. degree after PG Diploma in Artificial Intelligence to enhance their career growth in several ways:

Deepens expertise for tackling complex Artificial Intelligence challenges with confidence.

Enhances job market competitiveness, favoring candidates with advanced degrees.



*T&C applies

**For PGD candidates who want to upgrade to MTech.

Campus Immersions

Where the Degree Becomes Real

Once a year, the screen goes off. You come to IIT Jodhpur.

You work in the labs. You present your capstone to IIT Jodhpur faculty. You build alongside your cohort in person for the first time.

The conversations that happen here - in the labs at night, between sessions, over chai with a classmate who is three states away the rest of the year - are the ones that stay.



What Happens During an Immersion Week

Live Capstone Review

Defend your architecture before IIT Jodhpur faculty-get real feedback from its creators.

Lab Access

Work on research-grade infrastructure alongside IIT Jodhpur students.

Cohort Time

Evenings belong to you and your cohort. The network you build here lasts beyond the program.



*Immersion weeks are scheduled in advance and published at the start of each year. They are required, not optional.

Roles. Salaries. Reality

Career Opportunities in 2026 and Beyond

Machine Learning Engineer

₹ 18L to ₹ 45L+ Avg. Salary

Design, develop, and deploy ML models for production systems across industries.

AI Research Engineer

₹ 22L to ₹ 50L+ Avg. Salary

Work on cutting-edge AI research, developing novel algorithms and architectures.

Deep Learning Engineer

₹ 25L to ₹ 55L+ Avg. Salary

Build and optimize neural networks for computer vision, NLP, and generative AI applications.

AI Solutions Architect

₹ 28L to ₹ 60L+ Avg. Salary

Design enterprise-scale AI architectures integrating ML pipelines, deployment infrastructure, and business systems.

Computer Vision Engineer

₹ 20L to ₹ 48L+ Avg. Salary

Develop vision-based AI systems for autonomous vehicles, surveillance, medical imaging, and robotics.

NLP Engineer

₹ 22L to ₹ 50L+ Avg. Salary

Build intelligent language systems, chatbots, sentiment analysis, and document processing solutions.

MLOps Engineer

₹ 20L to ₹ 45L+ Avg. Salary

Manage end-to-end ML pipelines, model deployment, monitoring, and infrastructure.

AI Product Engineer

₹ 24L to ₹ 52L+ Avg. Salary

Build AI-powered products combining ML models, user experience, and business logic.

*Salary Source: Various legitimate websites. Futureense does not offer any employment guarantee.

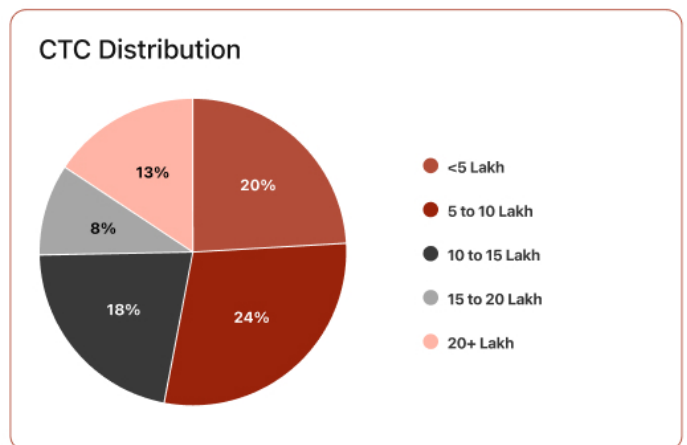
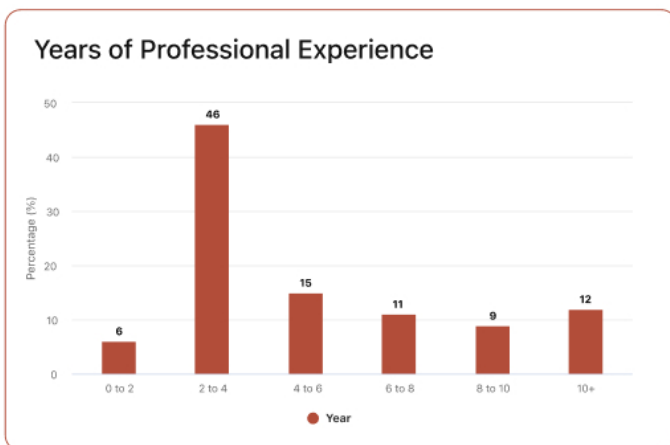
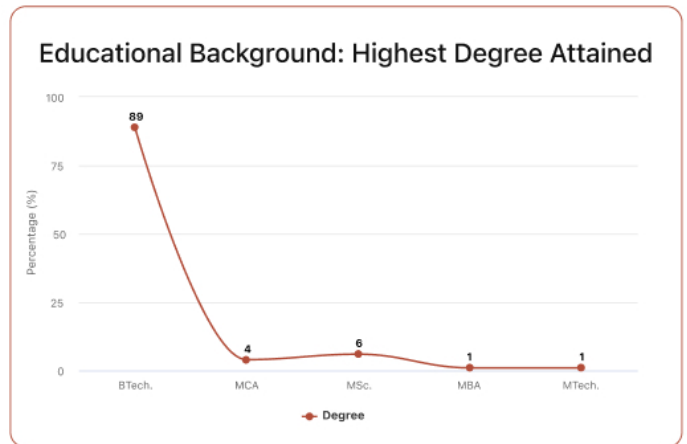
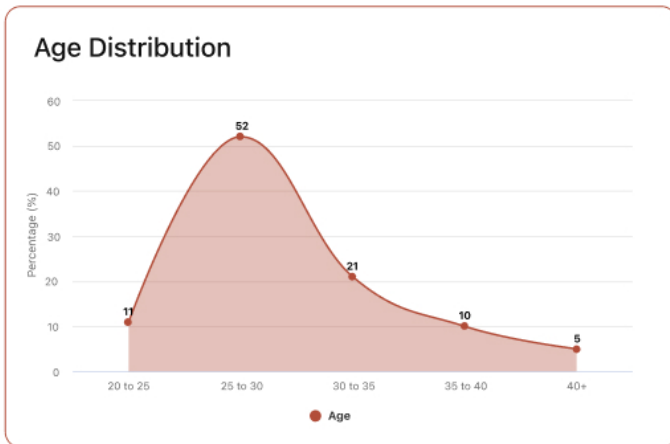


Demographics & Profile

(Based on Previous Cohorts)

Cohort Overview

- Average Years of Experience: **4.5 Years**
- Average Age: **29.3 Years**
- Average CTC: **₹13 Lakh**



Previous Companies



*FutureSense does not offer any employment

Program Fees

Component	Amount
 Program Fee	₹3,25,000 (Year 1)
 Administrative Fee	₹20,000
 Application Fee	₹10,000 (non-refundable)
 Bridge Course	₹29,000 Free

 Includes examination fees, immersion fees, and all other charges.

EMI

EMI tenures available: 6, 9, 12, and 24 months
Approximately ₹17,000 per month over 24 months.



Our Partners:

 propelld

 AVANSE
FINANCIAL SERVICES

 NORTHERN
ARC



Payment modes:



UPI



Netbanking



Credit/Debit Cards

AI engineers are landing
roles between

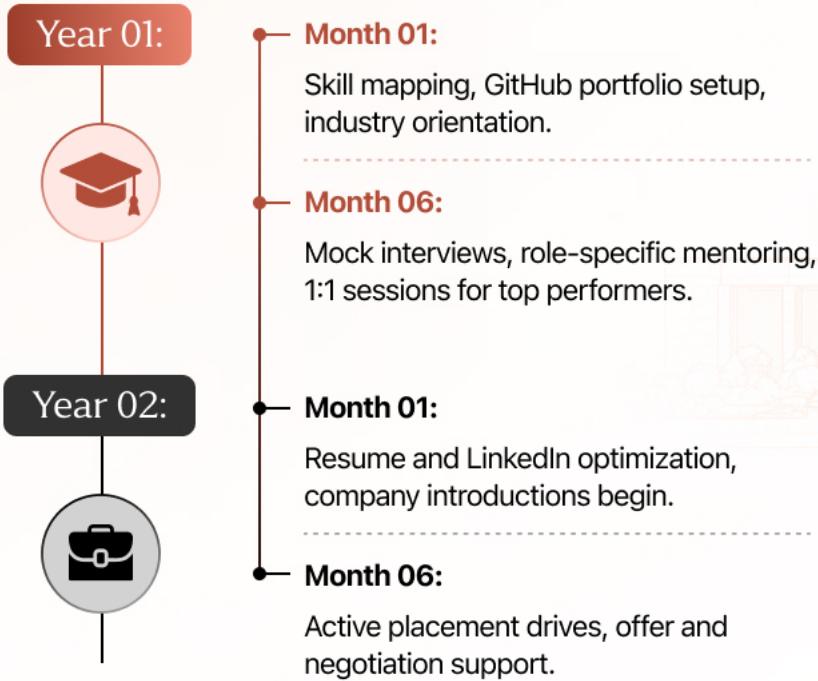
₹15 LPA and ₹80 LPA

At that range, this degree pays for itself within the first few months of employment.



Career Support

From Day 1 To Your Next Role



540+

Hiring Partners

Matched to your portfolio, not blind applications.



accenture

Infosys

fractal

quantiphi

Tiger Analytics™

Deloitte.

pwc

EY

amazon

Flipkart

Microsoft

genpact

Razorpay



HCL

NVIDIA.

Adobe

SAMSUNG

freshworks

cognizant

KPMG

Capgemini

databricks

dataiku

BOSCH

Honeywell

ABB

Pfizer

And many more

About IIT Jodhpur

The **Indian Institute of Technology Jodhpur** was founded in 2008 with a focus on technology education and research to promote the economic development of India. Its permanent campus is spread over **852 acres and has state-of-the-art facilities** for research and academic activities. The institute is committed to a multidisciplinary approach to technology development and has organised its degree programs through departments and research activities through centres for technologies.

In addition to its focus on traditional education, IIT Jodhpur has been actively pursuing programs in executive mode for working professionals. The institute has been building its academic expertise, industry collaborations, and infrastructure to create a range of high-quality programs that cater to the needs of today's professionals. Its faculty members, with extensive industry experience and academic expertise, bring a unique blend of theoretical knowledge and practical experience to the classroom.

To establish itself as a leader in industry-aligned programs for professionals, IIT Jodhpur has been developing programs that are relevant and contemporary to the evolving needs of the industry. It has also established strong industry linkages to develop customised programs that cater to the specific needs of their employees.





Testimonials

What Our Students Say

Ariharasudhan M ★★★★★

PGD in M.Tech, IIT Jodhpur

"The course is exceptionally well-structured and practical. It helped me move beyond theory and actually design, build, and reason about autonomous AI agents. The hands-on projects, clear explanations, and real-world relevance make this course a must for anyone serious about applied AI."

Ramesh Babu Mani ★★★★★

PGD in M.Tech, IIT Jodhpur

"This course really helped me to improve my AI knowledge with lots of hand on colab labs which allows us to explore more AI modules. I would highly recommend this course, lecture was packed from basics to advance level of information. Even people from non IT background can easily understand and work on AI concepts."

Vivek Pankantavita ★★★★★

PGD in M.Tech, IIT Jodhpur

"My MTech program provided excellent exposure to advanced technologies and research methodologies. The guidance from FutureNSE and IITJ Faculties helped me develop strong analytical and technical skills."

Anirban ★★★★★

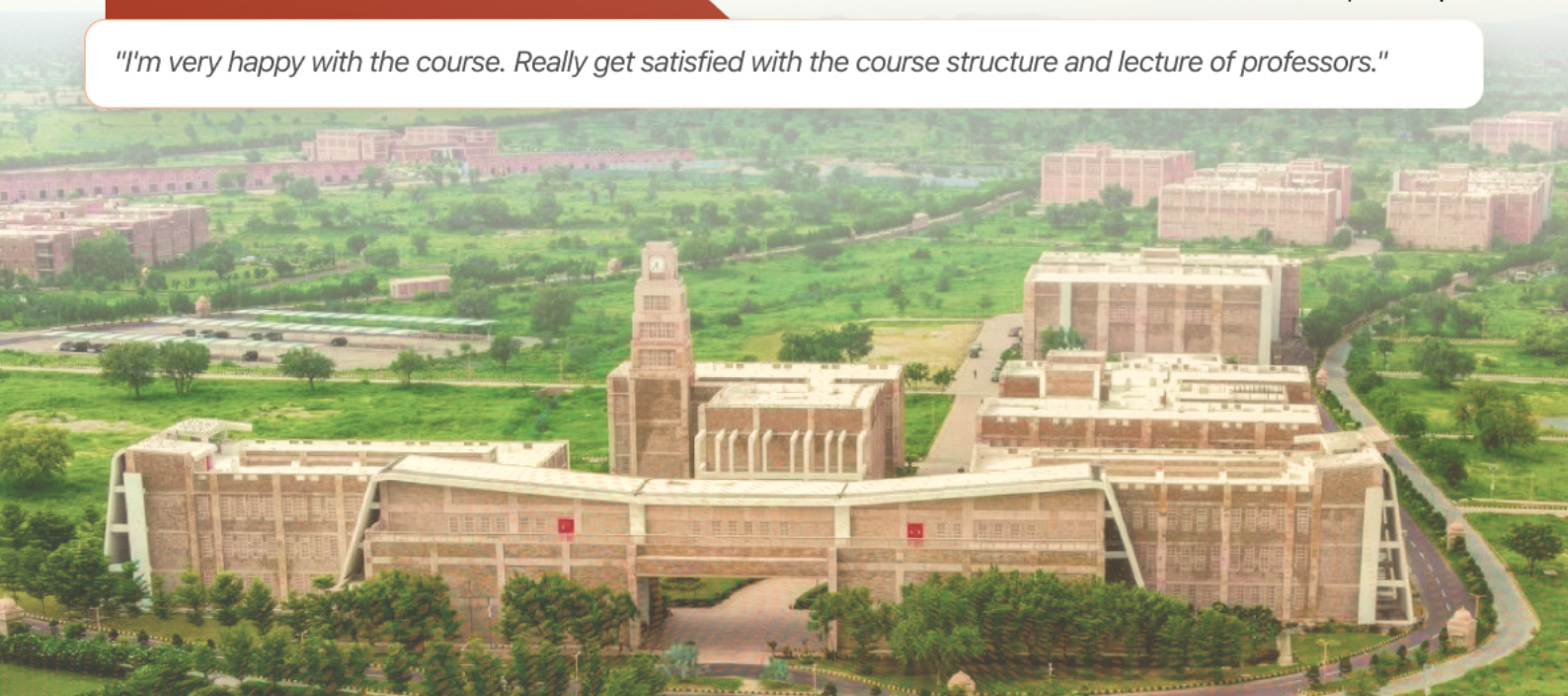
PGD in M.Tech, IIT Jodhpur

"FutureNSE has made higher studies achievable. Thanks to the team for the relentless efforts that goes behind the scenes to make it a reality."

Hamed Shariff ★★★★★

PGD in M.Tech, IIT Jodhpur

"I'm very happy with the course. Really get satisfied with the course structure and lecture of professors."





IIT Jodhpur Degree

Build AI That Works, Not Just AI That Learns.



Start Your
Application Now



Follow Us On
Instagram

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