

A New-Gen Degree For --- Ambition Driven Candidates

Indian Institute of Technology, Jodhpur



Jodhpur B.Sc / B.S in
Applied AI and Data Science

Become a Citizen PowerAI Expert

AI is the — Future

01

Artificial Intelligence (AI) is reshaping the world as we know it. From automating routine tasks to solving complex problems, AI is not just an emerging technology—it's a foundational shift affecting every corner of the industry.

02

With the AI market size projected to surge to \$267 billion by 2027, growing at an annual rate of 33.2% (Forbes), the message is clear

03

AI champions are those who harness its power to unlock new possibilities. Consider how AI in healthcare has not only slashed diagnostic errors by up to 50% but also trimmed operational costs by 30%. These are the winners of the AI era—individuals and businesses poised to lead with insight, efficiency, and agility.

04

The flip side? A stark reality where 75% of businesses risk sliding into irrelevance by ignoring AI advancements (McKinsey). The gap between the AI-savvy and the uninitiated is widening, turning the latter into bystanders in their industries.

05

The future belongs to those who prepare for it today. AI is not just a tool; it's a gateway to becoming a champion in your field.

Will you lead as a victor, or will you watch from the sidelines?



Program — Overview

B.Sc / B.S Degree from IIT Jodhpur

- Stackable degree model
 - **Certification** after Year - 1
 - **Diploma** after Year - 2
 - **B.Sc Degree** after Year - 3
 - **B.S Degree** after Year - 4
- No JEE or JAM is required for admission
- Attain IIT Alumni Status upon graduation

How would your week — look like?

WEEK

Typical Week of a Student

Mon	Tue	Wed	Thu	Fri	Sat	Sun
Self-paced Learning with Videos lectures, Quizzes and Assignments				LIVE online lectures by Faculty and Industry Practitioners Masterclasses from CXOs and MAANG Industry leaders Assessments and Projects		

*Optional Immersion of 3-5 days every year at the IIT J campus

All semester ending final exams will be conducted in-person at IITJ-approved exam centers across India

Program — Highlights

IIT DEGREE AND ALUMNI STATUS

Fulfil your dream of being an IITian with a globally recognized Bachelor's degree. Gain access to top companies like Microsoft, Google, Meta, and more. With the IIT badge, become part of a lifelong network of industry leaders.

STACKABLE DEGREE MODEL

Pursue a stackable certification-diploma-degree model aligned with the National Education Policy. Earn a Certification after Year-1, a Diploma after Year-2, and a B.Sc Degree after Year-3, An optional B.S Degree after Year-4.

BLENDED LEARNING AND MULTI-LINGUAL TEACHING

Learn asynchronously from top IIT faculty during weekdays and participate in live sessions with expert practitioners in your language. Gain hands-on experience through industrial expertise sessions.

MASTER 100+ AI TOOLS

Master over 100 cutting-edge AI tools and become an AI power user. Progress from entry-level roles to specialised domains like Data Science and NLP. Learn secret AI tools like Devin AI, Claude, and more.

MASTERCLASSES BY INDUSTRY EXPERTS

Gain insights from CXOs and MAANG Leaders through masterclasses. Learn real-world experiences and cutting-edge practices.

DIRECT PATHWAY TO MASTER'S*

Post your BS degree, get opportunity to enrol to Masters at IITs and Top US Universities without entrance exams. This pathway is a testament to the quality and rigour of our B.S program.

TECHNOLOGY-DRIVEN LEARNING

Experience state-of-the-art virtual studio learning. Engage with dynamic visual elements, graphics, and animation to enhance your learning journey.

Comparison between Traditional B.Tech & IIT's B.Sc

Traditional Learning Model	World's First Agile-Driven Undergraduate Degree
Earn a regular Bachelor's degree	Earn an IIT Bachelor's degree and prestigious alumni status
Become a generic engineer when you graduate	Stand out with India's only AI-driven undergraduate program
Invest time in writing assignments and mundane exercises	Learn current-gen skills like content creation and build your portfolio
M.Tech degree via GATE only	Direct Admission to PGD and M.Tech by IIT Jodhpur without GATE post your BS degree (provided you have scored above 60% in BS and completed 2 years work experience)
No global immersion or study abroad opportunities	Study abroad with global immersions through Futureense US Pathway post your BS degree
Limited industry professors	Trained by top IIT faculty & leading industry experts

Curriculum

COURSE MATRIX BSC/BS APPLIED AI AND DATA SCIENCE

Year	Semester	Course Name	Some Outcome Job Roles
1	1	<ol style="list-style-type: none"> 1. Linear Algebra and Numerical Analysis 2. Foundations of Statistics and Probability 3. Algorithmic Thinking and Its Applications 4. Basics of Data Analytics 	<ul style="list-style-type: none"> • AI Powered Office Assistant • Data and Research Analyst • Junior Business Analyst
	2	<ol style="list-style-type: none"> 1. Numerical Optimization 2. Foundations of AI 3. Visualization and Storytelling with Data 4. Generative AI tools 	
2	1	<ol style="list-style-type: none"> 1. Pattern Recognition Principles 2. Machine Learning 3. AI Programming 4. Generative AI 	<ul style="list-style-type: none"> • Data Analyst • Data Engineer • Junior Data Scientist
	2	<ol style="list-style-type: none"> 1. Machine Learning Applications 2. Basics of Data Mining 3. Foundations of Data Engineering 4. Tools for Data Science 	
3	1	<ol style="list-style-type: none"> 1. Machine Learning 2 (Deep Learning) 2. Foundations of NLP 3. Computer Vision 4. Data Security and Ethics 	<ul style="list-style-type: none"> • Domain AI Application Job • NLP Application Engineer • Computer Vision Application Engineer • Data Scientist
	2	<ol style="list-style-type: none"> 1. Machine Learning Applications (Domain based use cases) 2. LLM and Prompt Engineering 3. Reinforcement Learning 4. Conversational AI 	

*Optional Immersion of 3-5 days every year at the IIT J campus

All semester ending final exams will be conducted in-person at IITJ-approved exam centers across India

* Courses are indicative and may change based on discretion of Program Directors and industry requirements

Curriculum

Year 4 Career Track 1: Applied AI Career Path

Year	Semester	Course Name	Some Outcome Job Roles
4	1	<ol style="list-style-type: none"> 1. Project Management Principles 2. Software Engineering 3. Design Thinking and Complex Problem Solving 4. Live Project - Initiation 	<ul style="list-style-type: none"> • AI Application Engineer • Generative AI Application Engineer
	2	<ol style="list-style-type: none"> 1. Live Project - Applied AI Capstone Work Product 	

Year 4 Career Track 2: Computational Science Research Path

Year	Semester	Course Name	Some Outcome Job Roles
4	1	<ol style="list-style-type: none"> 1. Probability and Statistics 2. Linear Algebra 3. Calculus and Optimization 4. Programming, Data Structures and Algorithms 	Research Track
	2	<ol style="list-style-type: none"> 1. Database Management and Warehousing 2. Machine Learning 3. AI 4. Thesis 	

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Learn from the — Masters

Get Industry Insights and Mentorship from Top Leaders
Across Various Domains



Divesh Singla

Vice President, Global
Operations and Head, APAC



Kaushik Das

Transformation | Strategy |
Operations | Analytics



Nithya Subramanian

Head of Data &
Analytics - AMEA



Anupam Gupta

VP Enterprise Data and
Analytics



Pankaj Rai

Group Chief Data and
Analytics Officer



Ishu Jain

Head Of Central
Analytics



Nitin Srivastava

Data & Analytics
India Lead



Shrisha Ray

Director of
Engineering



A V Rahul

Director, Analytics



Ankit Mogra

Director - BI
& Analytics



Saurabh Agarwal

Chief Executive
Officer



Madhu Hosadurga

Global Vice President,
Enterprise AI



Anand Das

Chief Digital
& AI Officer



Ashish Dabas

Vice President



Bhargab Dutta

Chief Digital Officer



Who Is This Program For?

12th pass-outs with at least 60% in +2 Board exam*
(Should have Mathematics as one of the subjects in +2)

Individuals willing to pursue a dual degree alongside their primary degree

Working professionals seeking to upskill and get a degree in Applied AI

Futureense Placement Assistance: A 4 Step Assistance

PROFILING

We will understand your expertise and help you craft the perfect profile.

JOB ROLE MAPPING

We will align your profile with the job role that's just perfect for both you and the employer.

INTERVIEW PREPARATION

We have devised exclusive Interview Prep Mini Courses and mock interviews just for you!

FEEDBACK & REVIEW

We gather feedback from interviewers and provide timely reviews to make your candidature 10x better!

* Candidates must pass the Qualifying test to be accepted for admission

* If a candidate does not have the pre-requisite 60% in 10+2 board examination, but has qualified for JEE Main examination, they will be eligible for the program.

Student Career —

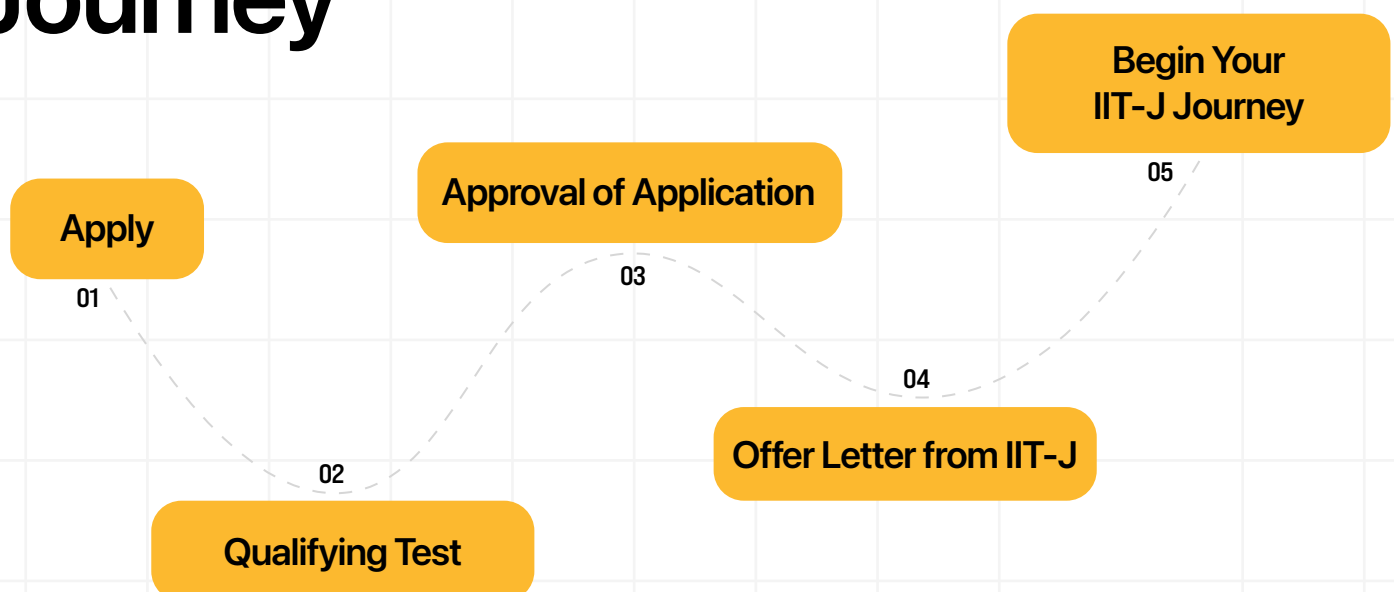
Pathways

POST GRADUATION, YOUR FUTURE IS SECURE WITH 3 STELLAR OPTIONS

- **Masters from IIT- Jodhpur***
 - Seamlessly transition to M.Tech in Data Engineering at IIT Jodhpur
 - Enrollment in prestigious programs, no GATE examination required
 - Equip yourself with skills demanded by global industries for leadership in the digital era
- **Study Abroad Post Your BS Degree**
 - Pursue Master's at over 50 esteemed US universities, including DePaul, Rutgers, and Drexel
 - Choose from diverse STEM-designated specializations
 - Benefit from a 3-year OPT post-completion of your Master's program in the US
- **Placement Assistance**
 - Leverage Futureense's extensive expertise in understanding of job role competencies through its network of Fortune 500 companies, unicorns, and startups
 - Access exclusive career opportunities tailored to match your skills and aspirations

Application —

Journey



Fees

Structure

Program Fee (Per Year)

Rs. 99,000

All fees directly paid to IIT Jodhpur

Application Processing Fee

Rs. 10,000

(Non-refundable) and to be paid in Year 1 during Application.

Note:

- If a learner does not pass a course in the semester they registered for it, they will need to repeat the entire course in a later semester with re-payment of full course fee. If a learner completed all course requirements, but couldn't attend the end semester exam alone, they can choose to repeat the just the end semester exam in the next semester with the payment of an end semester exam fee.
- Loan Options Available
- Immersion Fees additional and payable directly to IIT Jodhpur

Let's get in Touch

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