

New-Gen AI based **Twin Degree Programme**

BS. / BSc.

in Applied AI & Data Science

by IIT Jodhpur

B.Tech. (CSE) / BCA

by Lingaya's Vidyapeeth

Gain in-demand AI skills

Making you job-ready from day one

Become a Citizen Power AI Expert





Indian Institute of Technology Jodhpur was established in 2008, to foster technology, education and research & development in India. The Institute is committed to human resource technology development for India. Scholarship in learning, commitment to research, engagement in creative accomplishments, and relevance to Industry are driving forces for us at IIT Jodhpur. Founded in 2008, Indian Institute of Technology Jodhpur (IIT Jodhpur) stands at the forefront of advancing technology education and research in India. IIT Jodhpur is driven by a mission to merge technological innovation with action - also leading the AI revolution in one of the country's most revered institutions.

Their core focuses are excellence in education, pioneering research, and industry relevance. IIT Jodhpur focuses on excellence in education and research, adopting a multidisciplinary strategy with cutting-edge labs for fundamental research and specialised Departments and Centers for Technologies.

With a forward facing approach on all forms of technological development, IIT Jodhpur is leading Artificial Intelligence and Data Science research in all dimensions: theoretical research, application directed research, and locally relevant research for meeting regional needs.

Campus

IIT Jodhpur is successfully operating in its Permanent Campus on the National Highway 65 (NNE of Jodhpur towards Nagaur). The Permanent Campus is planned meticulously and envisioned to stand as a symbol of academics - simple, but deep.

Technology Park

IIT Jodhpur is setting up an Incubation Centre and Technology Park on its campus to nucleate a cluster of new-age ventures. The focal theme for the Technology Park is AIOT - Artificial Intelligence of Things. The convergence of AI, IoT and 5G is ushering in AIOT. This next-generation technology is expected to impact all sectors of the economy. TECH PARK will host at least 30 companies at a time. The talented and experienced faculty and Research facility of IIT Jodhpur will be an integral resource of Tech Park.

About Lingaya's Vidyapeeth



Lingaya's Vidyapeeth is a renowned educational institution dedicated to nurturing young minds and empowering them with knowledge, skills, and values. Established in the year 1998, our institution has a rich history of academic excellence and a commitment to fostering holistic development in students.

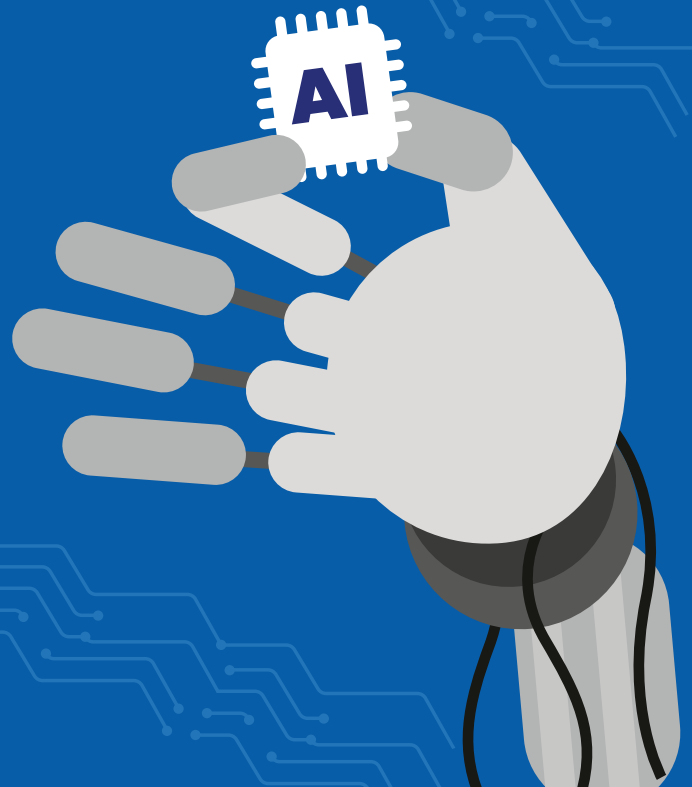
The journey of Lingaya's Vidyapeeth began with a vision to provide quality education and contribute to societal advancement by producing leaders, innovators, and responsible citizens. Over the years, we have grown into a comprehensive university, offering a wide range of Undergraduate, Postgraduate, and Doctoral programs across various disciplines.

We focus on our students' overall development, creating a balance in providing them with equal opportunities in both academic and non-academic domains. To strengthen the pillars of our academic domain, we not only continuously update our curriculum but also boast of highly qualified and experienced faculty members who firmly believe in knowledge creation and dissemination.



Artificial Intelligence Path Ways

1. 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.
2. 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.
3. 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.
4. The flip side is 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.
5. The future belongs to those who prepare for it today. AI is not just a tool; it is a gateway to becoming a champion in your field.



Program Overview (Stackable Twin Degree Mode)

BSc. / BS. Degree from IIT Jodhpur

BCA / B.Tech (CSE) from Lingaya's Vidyapeeth

No JEE is required for admission

Attain IIT Alumni Status upon graduation

Year-1
CERTIFICATION
(IIT Jodhpur and/or Lingaya's Vidyapeeth)

Year-2
DIPLOMA
(IIT Jodhpur and/or Lingaya's Vidyapeeth)

Year-3 (Degree)
B.Sc (IIT Jodhpur)
BCA (Lingaya's Vidyapeeth)

Year-4 (Degree)
BS. (IIT Jodhpur)
B.TECH(CSE) (Lingaya's Vidyapeeth)



Program Highlights

IIT Degree And Alumni Status

Fulfill 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 Twin 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 twin BCA / B.Sc Degree after Year-3. An optional BS. Degree after Year-4 along with B.Tech (CSE) from Lingaya's Vidyapeeth.

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 over 100 cutting-edge AI tools and become an AI power user. Progress from entry-level roles to specialized 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 Masters

Post your BS degree, get the opportunity to enroll in Masters at IITs and Top US Universities without entrance exams. This pathway is a testament to the quality and rigor 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.

Criteria Of Eligibility

- 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 an add-on Degree alongside their primary degree
- Working professionals seeking to upskill and get a degree in Applied AI

AI is the Future

This is Your Moment to Act!



Why pursue a **Twin degree** with IIT Jodhpur & Lingaya's Vidyapeeth ?



- With this twin degree program - You will be a part of one of the most elite student communities in India of IITians.
- You will earn a BS./BSc. Degree from IIT Jodhpur apart from B.Tech (CSE) / BCA from Lingaya's Vidyapeeth
- Post completion, you will be eligible for an **IIT Jodhpur Alumni Status**, & reap all the benefits of a traditional IIT .

Obtain a Bachelor's Degree from the largest Deemed to be University in NCR Delhi accredited by NAAC

Obtain an Add-on Degree from IIT Jodhpur



Compare Your Twin Degree Program with Other Options:

	4-Year Full Time Program	Twin Degree @ Lingaya's Vidyapeeth	Benefits @ IIT & Lingaya's Vidyapeeth
Degree	Engineering/Science	Both IIT Jodhpur & Lingaya's Vidyapeeth	Twin Degree
Practical Training	Normal Labs Sessions	IIT Lab Sessions & Lingaya's Vidyapeeth (Upto 4 years)	4 years/ 3 years Hand Hold by Lingaya's Vidyapeeth & IIT Jodhpur
Student Experience	Usual Teaching & Learning	• Teaching & Learning delivery by Lingaya's Vidyapeeth, IIT & Eminent Experts from National & International Institutions • Selected courses jointly delivered by Lingaya's Vidyapeeth & IIT faculty • On Campus immersion at IIT Jodhpur every Year (Optional)	National & International Exposure, Integrated into the curriculum, Internships, Placements, IIT & Lingaya's Vidyapeeth Alumni
Approximate Cost of Undergraduate Degree	Rs. 10,20,000 (B.Tech) Rs. 8,00,000 (B.Sc)	Lesser than 4 years B.Tech/3 Year B.Sc	Twin Degree @ Min Price

Why Pursue a IIT Jodhpur & Lingaya's Vidyapeeth Twin Degree Program?

100+ AI Tools

Master AI applications in NLP, Data Science, Computer Vision, & more.

Direct Master's Pathway

Admission to M.Tech at IIT-Jodhpur or Top US Universities

Industry Exposure

Masterclasses from CXO's MAANG leaders.

Placement Assistance

Career support via Futureense with Fortune 500: startup



Career Opportunities : Future Prospects

AI Engineer

Design and develop AI solutions.

Data Scientist

Analyze complex datasets & derive insights.

Machine Learning Engineer

Create intelligent models for automation.

Business Intelligence Analyst

Help companies make data-driven decisions.

Researcher in AI : Data Science

Contribute to cutting-edge AI research.

Data Engineer

Build and manage large-scale data systems.

IIT Jodhpur & Lingaya's Vidyapeeth Twin Degree : Benefits

■ Internship Opportunities

Gain real-world experience with industry leaders

■ Hackathons; AI Competitions

Participate in global AI challenges

■ Industry Expert Mentorship

Learn directly from AI professionals

■ International Exposure

Collaborate with global AI & Data Science communities

■ State-of-the-Art AI Labs

Work with cutting-edge AI tools & technologies

■ Business Database Systems Development

Focuses on Business Database & Data Warehousing

Program Details (Year 1 to Year 4)

Year 1 to 4 (4 Years)

Campus	 &  भारतीय प्रौद्योगिकी संस्थान जोधपुर Indian Institute of Technology Jodhpur
Registration Status	• Student registered with IIT Jodhpur & Lingaya's Vidyapeeth • Student ID created by IIT Jodhpur & Lingaya's Vidyapeeth • Alumni Status of both IIT Jodhpur & Lingaya's Vidyapeeth
Faculty	Knowledge and Skill delivery by the Faculty of IIT Jodhpur & Lingaya's Vidyapeeth
Student Supports	• Orientation - IIT Jodhpur & Lingaya's Vidyapeeth • Virtual Labs - IIT Jodhpur & Lingaya's Vidyapeeth • Academic Advising and Mentoring - IIT Jodhpur & Lingaya's Vidyapeeth
IIT on Campus Experience (Optional)	IIT Jodhpur On Campus Immersion Program for 4 days with a focus on developing leadership skills and learning
Hostel	Lingaya's Vidyapeeth

How would your week look like?

Typical Week of Students (IIT Jodhpur & Lingaya's Vidyapeeth)						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Lingaya's Vidyapeeth Lecture & Labs Sessions, Quizzes & Assignments Self-Paced Learning with Videos Lectures, Quizzes & Assignments			LIVE online lectures by IIT Jodhpur Faculty & Industry Practitioners Masterclasses from CXOs & MAANG Industry leaders Assessments & Projects		

Comparison between Traditional B.Tech & Twin Degree Program

Traditional Learning Model	World's First AI-Driven Undergraduate Twin Degree B.Tech. (CSE) / BCA from Lingaya's Vidyapeeth & BS. / BSc. from IIT Jodhpur
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 & 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

Who is this Program For ?

- **12th pass-outs with at least 60% in +2**
(Should have Mathematics as one of the subjects in +2)
- **Individuals willing to pursue a another degree alongside their primary degree**

Placement Assistance

- **Profiling**
We will understand your expertise & 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 & the employer.
- **Interview Preparation**
We have devised exclusive Interview Prep Mini Courses & mock interviews just for you
- **Feedback & Review**
We gather feedback from interviewers & provide timely reviews to make your candidature 10x better

Student Career Pathways

■ Masters from IIT Jodhpur & Lingaya's Vidyapeeth

POST GRADUATION YOUR FUTURE IS SECURE WITH 3 STELLAR OPTIONS

- 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 Twin Degree

- Pursue Master's at over 50 esteemed US universities, including DePaul, Rutgers, & 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

- Lingaya's Vidyapeth 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

Curriculum

Course Matrix BS. / BSc. Applied AI And Data Science

Year	Semester	Course Name	Job Roles
I	1	1. Linear Algebra and Numerical Analysis 2. Foundations of Statistics and Probability 3. Algorithmic Thinking and Its Applications 4. Basics of Data Analytics	• AI Powered Office Assistant • Data and Research Analyst
	2	1. Numerical Optimization 2. Foundations of AI 3. Visualization and Storytelling with Data 4. Generative AI tools	• Junior Business Analyst
II	3	1. Pattern Recognition Principles 2. Machine Learning 3. AI Programming 4. Generative AI	• Data Analyst • Data Engineer
	4	1. Machine Learning Applications 2. Basics of Data Mining 3. Foundations of Data Engineering 4. Tools for Data Science	• Junior Data Scientist
III	5	1. Machine Learning 2 (Deep Learning) 2. Foundations of NLP 3. Computer Vision 4. Data Security and Ethics	• Domain AI Application Job • NLP Application Engineer • Computer Vision Application Engineer
	6	1. Machine Learning Applications (Domain based use cases) 2. LLM and Prompt Engineering 3. Reinforcement Learning	• Data Scientist

Year 4 Career Track 1: Applied AI Career Path

IV	7	1. Project Management Principles 2. Software Engineering 3. Design Thinking and Complex Problem Solving	• AI Application Engineer • Generative AI
	8	1. Live Project - Applied AI Capstone Work Product	• Application Engineer

Year 4 Career Track 2: Computational Science Research Path

V	7	1. Probability and Statistics 2. Linear Algebra 3. Calculus and Optimization 4. Programming, Data Structures and Algorithms	• Research Track
	8	1. Database Management and Warehousing 2. Machine Learning 3. AI 4. Thesis	

Curriculum

Course Matrix BCA - (6 Semester Program)

SEMESTER-1

Programs	Credits
Mathematics-I	4
Mathematical Concepts of AI & Data Science	3
Algorithm Design & Analysis	3
Exploratory Data Analysis	3
Engineering Physics & Chemistry	4
Problem Solving using C	4
Problem Solving using C Lab	1
IDEA Lab Workshop	2

SEMESTER-2

Programs	Credits
Mathematics-II	4
Fundamentals of Artificial Intelligence	3
Data & Visual Analytics in AI	4
Introduction to Generative AI Tools	3
Object Oriented Programming C++	4
Microprocessor & Microcontroller	4
Object Oriented Programming C++	1
Microprocessor & Microcontroller Lab	1

SEMESTER-3

Programs	Credits
Pattern Recognition	4
Introduction to Machine Learning	4
Programming Essentials for AI	3
Generative AI	4
Database Management Systems	3
Operating System	4
Database Management Systems Lab	1
Operating System Lab	1

SEMESTER-4

Programs	Credits
Optimization Techniques in Machine learning	4
Data Mining & Data Warehousing	4
Fundamentals of Data Engineering	3
Tools for Data Science	4
Java Programming	3
Computer Networks	4
Java Programming Lab	1
Network Programming Lab	1

SEMESTER-5

Programs	Credits
Deep Learning	4
Natural Language Processing	4
Computer Vision	3
Data Security and Ethics	4
OOAD using UML	4
Web Technologies	3
OOAD using UML Lab	1
Web Technologies Lab	1

SEMESTER-6

Programs	Credits
Advanced Machine Learning	4
Prompt Engineering	3
Robotics process Automation	4
Applied AI	4
Big Data Analytics	4
Cryptography & Network Security	3
Software Development Lab	1
Mongo DB	1

Curriculum

Course Matrix B.Tech. (CSE) - (8 Semester Program)

SEMESTER-1

Programs	Credits
Mathematics-I	4
Mathematical Concepts of AI & Data Science	3
Algorithm Design & Analysis	3
Exploratory Data Analysis	3
Engineering Physics & Chemistry	4
Problem Solving using C	4
Problem Solving using C Lab	1
IDEA Lab Workshop	2

SEMESTER-2

Programs	Credits
Mathematics-II	4
Fundamentals of Artificial Intelligence	3
Data & Visual Analytics in AI	4
Introduction to Generative AI Tools	3
Object Oriented Programming C++	4
Microprocessor & Microcontroller	4
Object Oriented Programming C++	1
Microprocessor & Microcontroller Lab	1

SEMESTER-3

Programs	Credits
Pattern Recognition	4
Introduction to Machine Learning	4
Programming Essentials for AI	3
Generative AI	4
Database Management Systems	3
Operating System	4
Database Management Systems Lab	1
Operating System Lab	1

SEMESTER-4

Programs	Credits
Optimization Techniques in Machine learning	4
Data Mining & Data Warehousing	4
Fundamentals of Data Engineering	3
Tools for Data Science	4
Java Programming	3
Computer Networks	4
Java Programming Lab	1
Network Programming Lab	1

SEMESTER-5

Programs	Credits
Deep Learning	4
Natural Language Processing	4
Computer Vision	3
Data Security and Ethics	4
OOAD using UML	4
Web Technologies	3
OOAD using UML Lab	1
Web Technologies Lab	1

SEMESTER-6

Programs	Credits
Advanced Machine Learning	4
Prompt Engineering	3
Robotics process Automation	4
Applied AI	4
Big Data Analytics	4
Cryptography & Network Security	3
Software Development Lab	1
Mongo DB	1

SEMESTER-7

Programs	Credits
Project Management Principles	4
Software Engineering	4
Design Thinking & Complex Problem Solving	4
Internet of Things	3
Minor Project	5
Professional Skills	2
Professional Ethics	2

SEMESTER-8

Programs	Credits
Major Project/Internship	18
Seminar & Dissertation	2

Optimisation of Student Workload

In order to optimise the workload on the students of twin degree programmes with IIT-Jodhpur, Lingaya's Vidyapeeth shall transfer credits from BS./B.Sc programmes of IIT-Jodhpur to B.Tech (CSE) / BCA programmes of the Vidyapeeth as per UGC policy. Accordingly, the workload on the students enrolled in the twin degree programme shall be restricted to a maximum of 160% instead of 200% required in obtaining twin degrees.

Fee Structure

B.Tech. (CSE) / BCA and BS. / BSc. in Applied AI and Data Science

The Fee shall comprise of two components :-

- a) Programme Fee for BS./BSc. payable to IIT, Jodhpur
- b) Programme Fee for B.Tech (CSE) / BCA payable to Lingaya's Vidyapeeth

For Details, Please Visit :-

IIT Jodhpur Website:- <https://www.iitj.ac.in>

Lingaya's Vidyapeeth Website:- <https://www.lingayasvidyapeeth.edu.in>



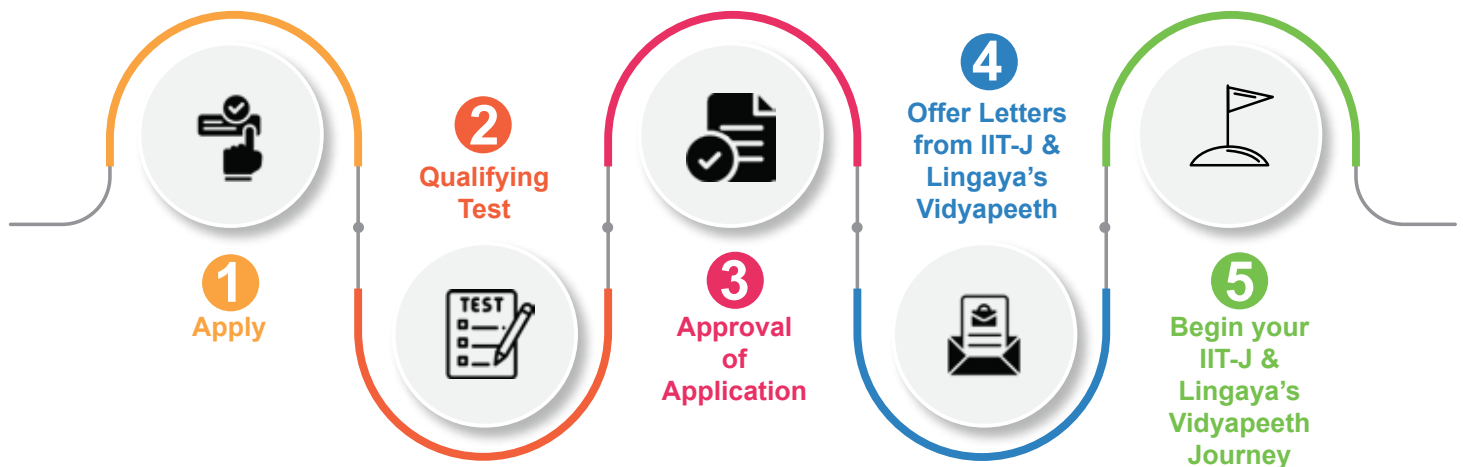
Eligibility Requirements

Twin Degree: B.Tech (CSE) / BCA at Lingaya's Vidyapeeth and BS. / BSc. in Applied AI and Data Science

Eligibility

1. All candidates who have a minimum score of 60% in the 10+2 examination with Math as one of the papers will be eligible for applying for the program.
2. The candidate also has to pass a Qualifier Exam conducted by IITJ with support from FutureNSE, to be eligible for the program.
3. If a candidate does not have the prerequisite 60% score in 10+2 board examination, but has qualified for JEE Main examination, the candidate will be eligible to apply for the program.

Application Journey



Admission Process & Program Structure

Admission Process for 2025-26

Admission Procedure	Program Structure
Let us Get in Touch	• Duration: 3-4 Years (Based on credits & specialization) • Eligibility: 12th Pass (PCM/PCMB preferred) • Mode: Hybrid Learning (Live Online + On-Campus Sessions) • Intensive AI: Data Science Bootcamps • Specialized Electives: Choose from AI Ethics, Robotics, NLP & more. • Capstone Projects : Research Opportunities • Internship : Placement Support • Certifications : Industry-Endorsed Credentials

IIT Jodhpur Placement Statistics 2024

A total of 255 undergraduate engineering students accepted the job offers in the year 2024. The average placement percentage stood at 91.30% for B.Tech programmes.

Placements at IIT Jodhpur 2023-2024

Course Name	Students accepting placement offers	% of placements offers
Computer Science & Engineering	100	98.03 %
Electrical Engineering	71	95.94 %
Mechanical Engineering	56	88.88 %
Bio Engineering	28	82.35 %

Highest Salary Package at IIT Jodhpur 2023-24

Course Name	Highest Package (LPA)
Computer Science & Engineering	53,00,000
Electrical Engineering	51,00,000
Mechanical Engineering	51,00,000
Bio Engineering	48,00,000

Average Salary Package at IIT Jodhpur 2024

Course Name	Average Package (LPA)
Computer Science & Engineering	26,31,000
Electrical Engineering	22,00,000
Mechanical Engineering	19,50,000
Bio Engineering	18,65,000

Placements 2024- Major Participating Companies



National Instruments Corporation



भारतीय प्रौद्योगिकी संस्थान जोधपुर
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IIT JODHPUR

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