



IITI DRISHTI CPS Foundation
Indian Institute of Technology Indore



AI & DATA SCIENCE FROM DRISHTI CPS, IIT INDORE

Learn like an IITian and excel like an IITian!

Upskill with top-notch AI & Data Science expertise from DRISHTI CPS, IIT Indore, and excel like an IITian with 10x career opportunities.



10 Million+
Learners



1:1 Personalized
Mentorship



30 LPA CTC
Highest Fresher Salary

AI & Data Science from DRISHTI CPS, IIT Indore

Introducing our specialized program designed for students and professionals in AI, Data Science, and related fields. This course is ideal for learners who have completed 12th grade or are currently in college, as well as those from non-technical backgrounds looking to transition into AI. Experience IIT-level learning, with a curriculum meticulously crafted to help you upskill while pursuing both your degree and certification simultaneously. Upon completing the program, participants will receive prestigious certifications from DRISHTI CPS, IIT Indore, and Microsoft, giving your resume the edge needed to stand out in this competitive field.



Hottest Job of 21st Century



2 million Job Postings

By 2025, it is estimated that there will be over 2 million job openings in AI and Data Science.



Skill Development

Key skills include Machine Learning, Deep Learning, Data Engineering, NLP, and AI Model Deployment.



Growing AI & Data Science Industry

33% CAGR projected from 2023 to 2028, reflecting the rapid growth of the industry.



Lucrative Salaries

The average salary for AI & Data Science professionals is around ₹12,00,000 per year in India.



Popular Degree

Over 40% of AI and Data Science professionals hold advanced degrees like Master's or PhDs.



High Demand

The job market for AI professionals is expected to grow by 31% by 2030, making it one of the fastest-growing career fields.

Our Credentials



10 Million+

Aspiring Active Students



1,000+

Industry-expert Instructors



400+

Hiring Partners



500+

Corporates Upskilled



55%

Average Salary Hike



155+

Countries' Learners

About Program

This certification program offers a comprehensive curriculum designed to equip students and professionals with in-demand AI & Data Science skills. It is delivered by leading faculty from IIT Indore and industry experts. The course ensures hands-on learning, using real-world applications and projects, and prepares learners for high-paying roles in AI and Data Science.



Eligibility

Undergraduate Students & Diploma Holders



Upskill

8 Hours a Week
Alongside Your College



Learn from Top

IIT Faculty & Industry Experts



Receive

20 Academic Credits
Approved by AICTE & NSQF

Key Highlights

- ✓ 1.5 Years of Live sessions
- ✓ Learn from Industry Experts & IIT Faculty
- ✓ No Cost EMI Option
- ✓ Aptitude & Soft Skill Training
- ✓ Receive e-learning videos in vernacular languages like Tamil, Telugu, Hindi, English
- ✓ Intensive Curriculum to grasp Industry 5.0 skills
- ✓ Dedicated Career Mentors upon Course Completion
- ✓ Receive certification from DRISHTI CPS, IIT Indore, and Microsoft
- ✓ Designed for College Students to learn alongside your college.
- ✓ Upto Rs 50 Lakhs as Angel Fund to shortlisted ideas
- ✓ 20 Academic Credits approved by AICTE and NSQF

Live Like an IITian

Immerse yourself like an IITian and enjoy exclusive access to:

- ✓ Access to IITI DRISHTI CPS ID card
- ✓ Certification issuance ceremony at IIT Indore
- ✓ Alumni Status of DRISHTI CPS IIT Indore
- ✓ Access to DRISHTI CPS IIT Indore campus, Labs & Events during campus Immersion
- ✓ Subscription to DRISHTI CPS IIT Indore Newsletters



Excel Like an IITian

Achieve success with the drive and determination like an IITian.

- ✓ Master Industry ready AI & Data Science skills
- ✓ Participate in Hackathons & showcase your tech skills
- ✓ Master Classes from CXO of top MNCs and Innovative Startups
- ✓ Work on Industry Oriented Capstone Projects
- ✓ Get 24*7 Support from Subject Matter Experts (SME's)
- ✓ Get Mentorship Support from Dirshti CPS IIT Indore
- ✓ Receive 20 Academic Credits approved by AICTE and NSQF

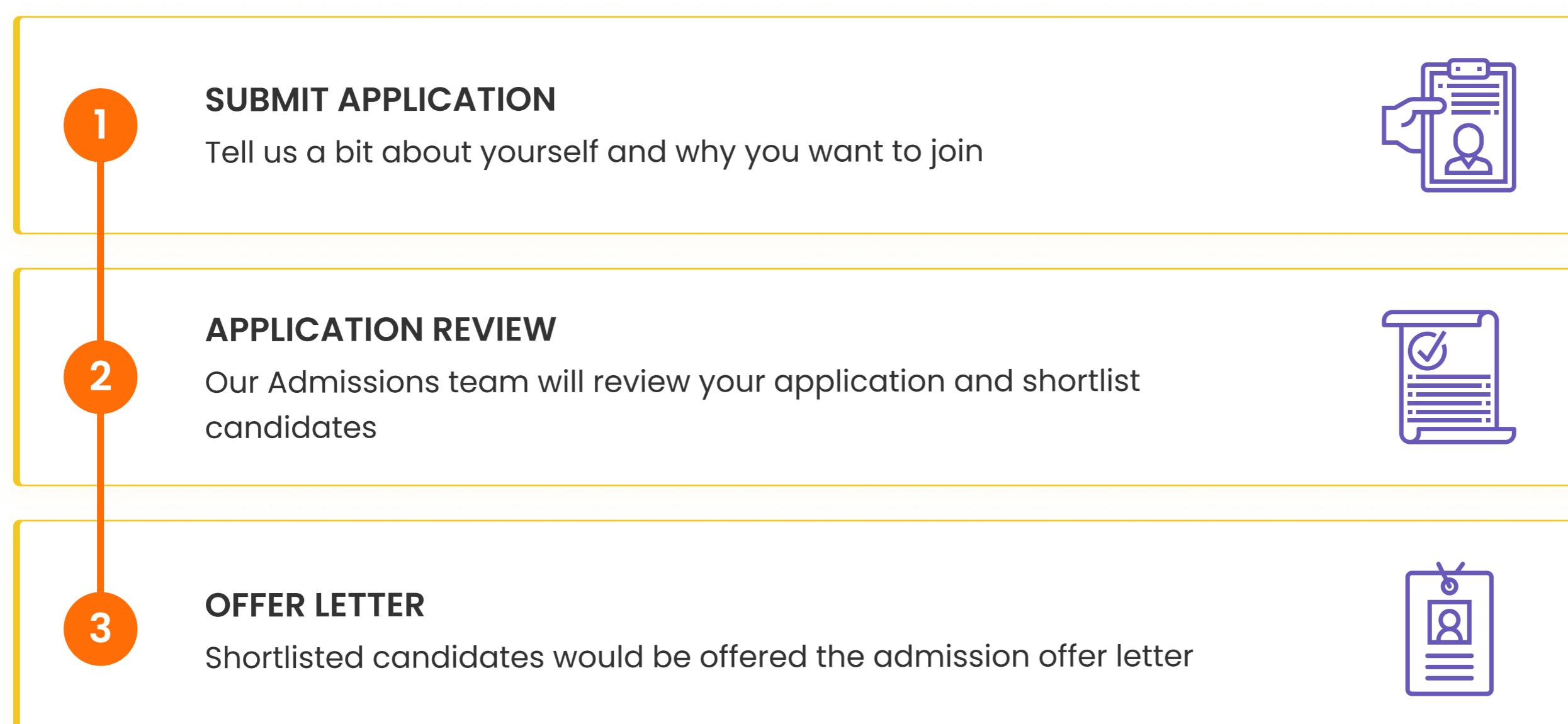


Who Can Apply for the Course?

- ✓ Any Undergraduate College student looking to become an IT Professional in the field of Artificial Intelligence & Data Science.
- ✓ Learners who have completed 12th grade and are currently pursuing undergrad degree, or Diploma Holders with no graduation yet and currently pursuing degree, looking to transition into AI can take this course.

Application Process

The application process consists of three simple steps. Candidates have to submit their application. An offer of admission will be made to the selected candidates, and their application will be accepted upon the payment of the admission fee.



Program Pedagogy



Instructor-led Training

Get trained by industry experts from Top Product Companies & Startups



Dedicated Learning Management Team

To help you with your learning needs



Self-paced Videos

Learn at your own pace with world-class content



Projects and Exercises

Get real-world experience through projects



Hackathons

Get a sense of how real projects are built



Peer Networking and Group Learning

Improve your professional network and learn from peers



Gamified Learning

Get involved in group activities to solve real-world problems

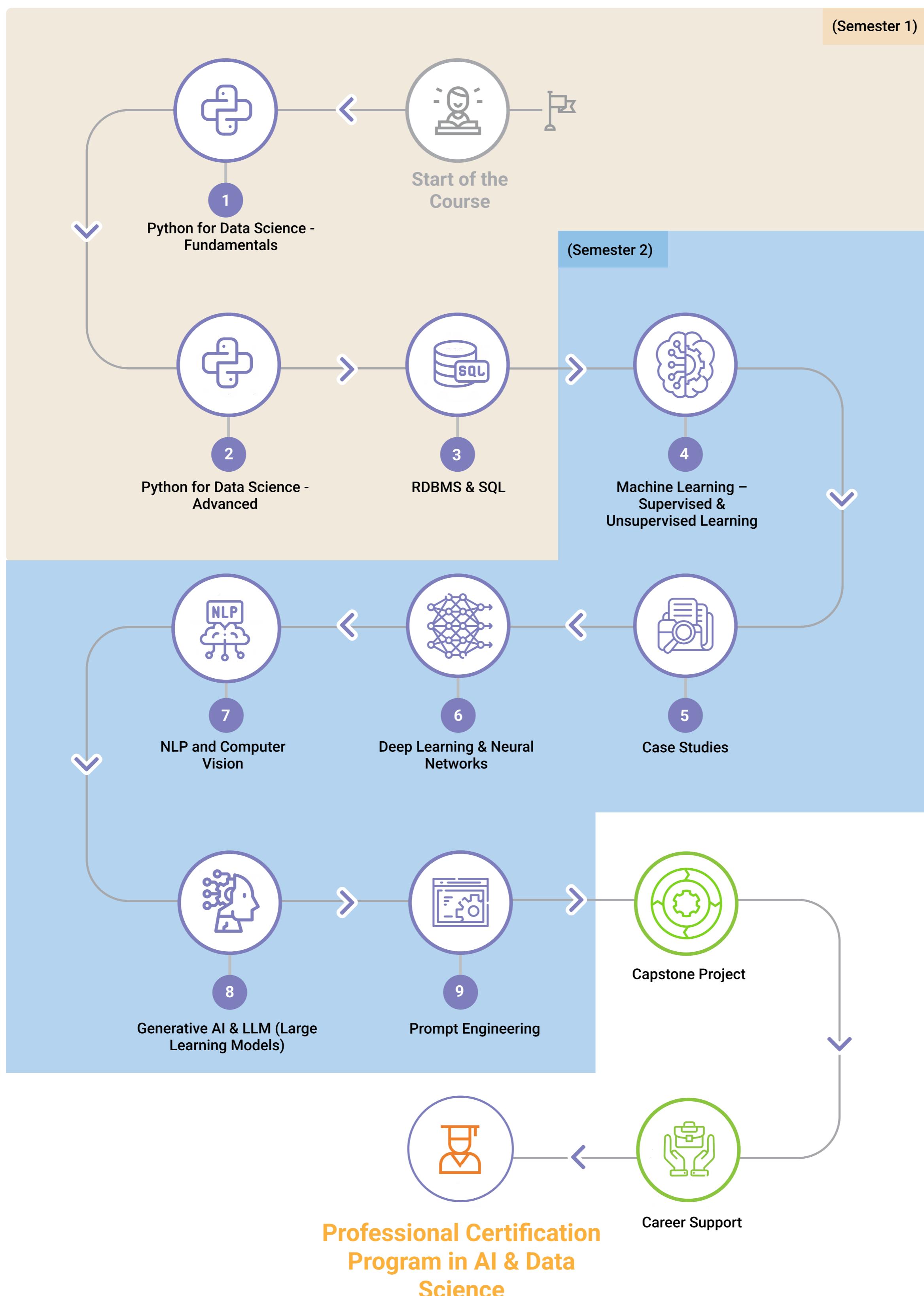


1:1 Personalized Learning

Hands-on exercises, project work, quizzes, and capstone projects

Learning Path

Live Courses



Program Curriculum

```
modifier_ob.select=1  
bpy.context.scene.objects.active = modifier_ob  
print("Selected" + str(modifier_ob)) # modifier ob is selected  
modifier_ob.select = 0  
# now we can move on to the next object in the list
```

Semester 1

Module 1

Python for Data Science – Fundamentals

- Introduction to Python
- Object Oriented Programming
- Python Basics

Module 2

Python for Data Science – Advanced

- Data Handling with NumPy
- Data Manipulation Using Pandas
- Data Preprocessing

Module 3

RDBMS & SQL

- SQL Basics
- Advanced SQL

Semester 2

Module 4

Machine Learning – Supervised & Unsupervised Learning

- Regression Model
- Clustering Algorithms
- Performance Metrics
- Dimensionality Reduction
- Time Series Models

Module 5

Case Studies

Module 6

Deep Learning & Neural Networks

Module 7

NLP and Computer Vision

- NLP
- Text Pre-processing
- Text Classification
- Language Modeling
- AI Applications
- Computer Vision
- Deep Learning

Module 8

Generative AI & LLM (Large Learning Models)

- LSTM
- Transformers
- BERT
- GPT
- LLM
- VAEs
- LangChain

Module 9

Prompt Engineering

- Prompt Engineering
- Image-Based Applications of Generative AI
- Text-Based Applications of Generative AI
- Audio-Based Applications of Generative AI

Capstone Project

Career Support

- Aptitude & Soft Skill Sessions
- Interview Preparation sessions to crack technical Interviews
- Resume Building & LinkedIn Profile Optimization
- Access to Intellipaat Job portal for lifetime
- Receive Multiple Job Opportunities by applying to unlimited Jobs with Intellipaat Job Portal

Course Projects

Projects cover the following industries:



Retail



Social Media



Supply Chain



Entrepreneurship



E-commerce



Banking



Healthcare



Insurance

Real Time Social Media Analytics

Create interactive dashboards to analyze real time social media data to make data driven decisions

Analyzing Real-Time Market Impact

Analyze various factors in the market for specific domains such as supply chain, FMCG, using interactive dashboards

Species Detection & Action Plan

An classification model deployed on gradio, that classifies snake species in real time and provides nearest location for the antidotes

Analyzing Ad Campaigns using Text Analysis

Use text analysis to find word embeddings in reviews to analyze various campaigns

Enhancing Satellite Imagery using Gen AI

Using GANs, generate images to enhance the quality of satellite imagery.

Analyzing Tourism and Hotel Industry

Analyze tourist influx, hotels availability, prices based on historical data for upcoming seasons

Object Tracking & Detection

A real time object tracking and detection model trained on pre-trained computer vision models and deployed for security and surveillance using MLOps

Medico Powered by Generative AI

A medical assistant powered by generative AI that generates medical diagnosis based on prompts, and RAG to improve responses.

Image & Video Generator

Building an application fueled by generative AI to generate videos and images based on the prompts.

Forecasting Wizard

Build an AI powered tool that will generate forecasts based on prompts, trained on pre-trained models

Course Advisors / Faculty

```
modifier_ob.select=1  
 bpy.context.scene.objects.active = modifier_ob  
 print("Selected" + str(modifier_ob)) # modifier ob is  
 mirror_ob.select = 0  
 bpy.ops.object.select_all(action='DESELECT')  
 mirror_ob.select = 1
```

Dr. Vivek Kanhangad



Professor Department of Electrical Engineering at IIT Indore

Dr. Vivek Kanhangad, PhD from Hong Kong PolyU, specializes in computer vision, pattern recognition, biometrics, and biomedical applications. He's VP at IEEE Biometrics Council, an Editorial Board Member, and a Senior Member of IEEE with 12 years of experience.

Dr. Surya Prakash



Associate Professor Department of Computer Science at IIT Indore

Dr. Surya Prakash, Associate Professor of Computer Science at IIT Indore, holds a B.Tech from IIT Kanpur, a Master's from IIT Madras, and PhD from IIT Kanpur in Computer Science with around 12 years of experience in teaching.

Dr. Tushar Sandhan



Assistant Professor of Electrical Engineering at IIT Kanpur

Dr. Tushar Sandhan, Assistant Professor of Electrical Engineering at IIT Kanpur, holds a B.Tech from IIT Guwahati and a Master's and PhD from Seoul National University in ECE with a specialization in Computer Vision, ML, and Robotics.

Muthusamy Manigandan



Data Science Consultant, Ex-Apple

Manigandan has more than 16 years of experience in cloud projects for Fortune 500 companies. He has a strong background in the architecture and implementation of AWS, Azure, and GCP, along with hands-on experience in DevOps tools.

Nishkam Shivam



Senior Data Scientist – Ex-Walmart

A Senior Data Scientist in the field of Analytics and AI, Mr. Nishkam Shivam is presently working at Bristlecone. He has 9+ years of experience in this particular field and has also worked in renowned companies like Accenture, Walmart, Emeritus, and many more.

Suman Mukhopadhyay



Senior Director & Head of Technology Infrastructure / Cloud – EdgeVerve

He has 23 yrs of experience in IT. Suman worked at top MNCs like Wipro, AT&T, Yahoo, Walmart etc. Skilled in Leadership, IT Budget Ownership, Incident management, Hadoop Solution and Design and managing teams across various geographies.

Manish Bhatt



Assistant Professor – IIT, Guwahati

Dr. Manish Bhatt, Associate Professor @ IIT Guwahati holds 14+ years of experience in teaching and industry. He has completed his Ph.D from IISc, Bangalore. His research works deals with engineering aspects of ultrasound imaging for diagnosis in liver fibrosis, breast cancer, deep vein thrombosis etc.

Course Advisors / Faculty



Roopa Gupta

Data & Applied Scientist, Microsoft

Roopa Gupta, Data Scientist @ Microsoft has years of experience in the areas of Predictive and Prescriptive Analysis. She has been involved in Providing data-driven, action-oriented solutions to challenging business problems and also deliver valuable insights via data analytics and advanced data-driven methods.



Madhu Babu Cherukuri

Sr. Data Scientist at Intel Corporation

He has over 15 years of expertise in handling various analytics projects, using several types of ML algorithms in multiple business domains. He has extensive knowledge of SAS, SQL, R, and Python and is proficient in big data environments.



Phaneendra Akula

Senior Manager, Data Science – Ex Tesco

Phaneendra Akula is presently working at Sunrise Biztech Systems Private Limited. He has more than nine years of experience in the field of data science and has worked in many prestigious companies like Genpact, TCS, and Tesco.



Ashutosh Dixit

Director – Technology Consulting at LTIMindtree

Ashutosh Dixit is an experienced cloud architect with a demonstrated history of working in the IT services industry since 2010. He has worked at several eminent organizations like Mindtree, Accenture, Oracle, and Capgemini.



Arun Ravi

Data Scientist @ Amazon

Arun Ravi has 10+ years of experience and involved in successful data-driven transformations across industries. Proficient discovering the insights via descriptive and diagnostic analysis. Built the classification Multi-Class, Hierarchical Classification, Multi-Label, propensity models, sentiment analysis.

Intellipaat Career Services



500+
Webinars



600+
Job Shares



3100+
Hiring Partners



30 LPA
Highest Salary*

What Makes Us **Tick**



Career-oriented Sessions

Attend 10+ career-oriented sessions by industry mentors and prepare your career trajectory



Profile Building

Craft a Software Engineer resume and LinkedIn profile to make an impression on top employers



Mock Interview Preparation

Prepare with mock interviews including most asked questions by top employers



1:1 Mentoring Sessions

Get 1:1 guidance at every step in your career transition to Software Engineers



Placement assistance

Receive Multiple Job Opportunities by applying to unlimited Jobs via Intellipaat Job Portal



Dedicated Job Portal Access

Get Exclusive access to a dedicated job portal providing assistance for the best opportunities available for the learners



Job Fairs

Job fairs are conducted regularly to introduce learners to major organizations



Hackathons

Work in teams and get exclusive access to hackathons

Learner **Reviews**



Naveen Kumar
Data Science/Machine Learning Enthusiastic

It was an amazing experience learning Data Science from Intellipaat. The trainers were friendly, experienced, and very interactive. Also, the support team is active 24 hours a day. I highly recommend this course.



Prijat Dev
Sr. Research Analyst at Gallagher

I upgraded my skills with the help of Intellipaat, and in less than 2 years I was promoted to a Managerial role. I was able to transit my career from Non-Tech to Tech with a salary hike of 100%.



Adarsh Vijay
Data Analyst at Maxgen Technologies

Best Data Science Course with placement! I found Intellipaat's coaching team to be talented in their respective domains. My learning was very good, as it helped me upgrade my skills.



Glimpse of our Successful Transitions



4.6 ★★★★☆



4.5 ★★★★☆



4.38 ★★★★☆

Career Transitions



Program Partners



About Intellipaat

Intellipaat is one of the leading online training providers, with more than 10 million learners in over 155 countries. We are on a mission to democratize education because we believe that everyone has the right to quality education.

We create courses in collaboration with top universities and MNCs focused on employability, including iHUB IIT Roorkee, EICT IIT Guwahati, IITM Pravartak, IIM Ranchi, IIT Jammu, VNIT Nagpur, IU Germany, University of Essex, University of Liverpool, Microsoft, and others.

Our courses come with 24/7 support and are delivered by Subject Matter Experts (SMEs). These courses help learners increase their employability, and our outstanding career services help them jump-start their careers in their dream jobs.



About DRISHTI CPS, IIT Indore

IIT Indore is the eighth IIT established in 2009 in India. IIT Indore DRISHTI CPS Foundation is a Technology Innovation Hub (TIH) setup at IIT Indore under the aegis of National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) with a focus on System Simulation, Modelling & Visualisation.

Achievements of IIT Indore

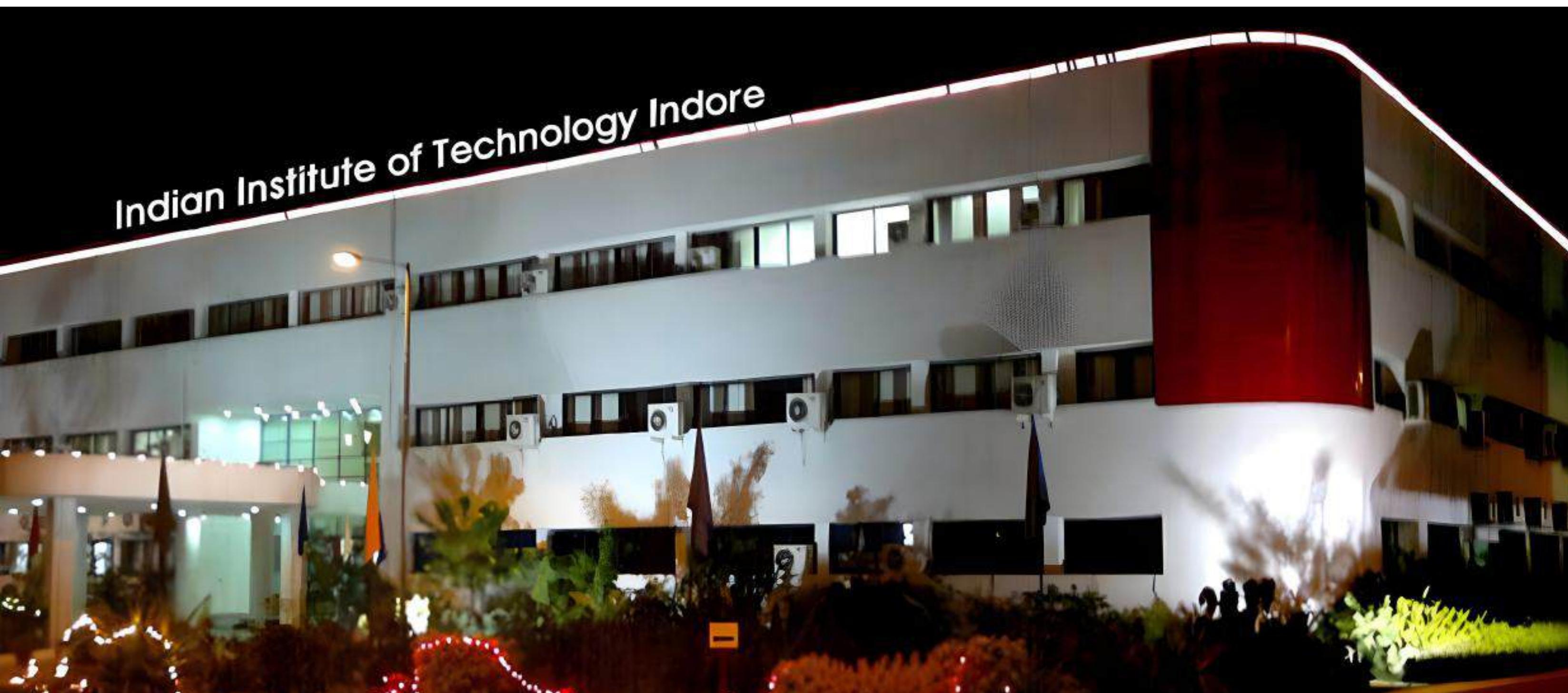
- Ranked 14th among engineering colleges in India in 2023 – NIRF
- Won Global Best M-GOV Awards gold medal with their blockchain receipt app "Blockbill" in 2023"
- IIT Indore ranked 201 globally and 2nd in India in Computer Science in 2022



Collaboration with Microsoft

When it comes to new-age technologies and tools, Microsoft is the biggest names and leading innovators. The course is led by experts who will walk you through all of the necessary skills in the domain and get you started on projects relevant to various organisations.

Indian Institute of Technology Indore



10 Million Learners & 500+ corporates across 155+ countries
upskilling on Intellipaat platform



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