



Indian Institute of Information
Technology Vadodara (IIIT Vadodara)

B.Sc AI & ML

Type

Ug Program

Mode

Campus

Duration

3 Years

Total fees

₹ 633,600

Indian Institute of Information Technology Vadodara (IIIT Vadodara)

Established in 2013 by the Ministry of Education, Government of India, IIIT Vadodara is an Institute of National Importance committed to advancing education, research and innovation in information technology. Founded through a Public-Private Partnership, the institute brings together government and industry expertise to develop globally competent technology professionals. Its academic environment emphasises interdisciplinary learning, technical excellence, practical problem-solving and the application of emerging technologies to real-world challenges.

B.Sc AI & ML

Highlights

- ◆ Earn a B.Sc. degree in Artificial Intelligence & Machine Learning from IIIT Vadodara.
- ◆ Attend classroom sessions at the Gandhinagar campus with AI lab-based practical learning.
- ◆ Learn from IIIT Vadodara faculty and industry experts through an industry-aligned curriculum.
- ◆ Build AI and Machine Learning solutions using industry-standard tools and real-world projects.
- ◆ Benefit from internship pathways, placement assistance and career guidance.

Learning outcomes

- ◆ Apply Artificial Intelligence and Machine Learning principles to solve real-world problems.
- ◆ Develop intelligent applications using programming, data science and modern AI frameworks.
- ◆ Analyse complex datasets using Machine Learning and analytical techniques.
- ◆ Build ethical, responsible and industry-ready AI solutions across diverse domains.
- ◆ Demonstrate research, innovation and problem-solving capabilities for emerging technology careers.

Eligibility Criteria

Class 12 or equivalent (list of equivalents)

Candidates with a valid JEE score may apply directly. Candidates without a JEE score will be required to appear for an online entrance test.

The final examination of the 10+2 system, conducted by a Central or State Board recognized by the Association of Indian Universities (AIU).

Intermediate or two-year Pre-University examination conducted by a Board or University recognized by the Association of Indian Universities.

Final examination of the two-year course of the Joint Services Wing of the National Defence Academy.

Senior Secondary School Examination conducted by the National Institute of Open Schooling with a minimum of five subjects.

Curriculum Overview

Semester I (7 subjects)

- ◆ Introduction to Computer and Problem-Solving Techniques
- ◆ Programming Lab
- ◆ Fundamentals of Artificial Intelligence
- ◆ Environmental Sustainability and Climate Change
- ◆ Introduction to IoT
- ◆ Communication Skill – I
- ◆ Ethics and Social Implications of AI



Curriculum Overview (continued)

Semester II (7 subjects)

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|--|----------------------------|
| ◆ Object-Oriented Programming | ◆ Elective |
| ◆ Object-Oriented Programming Lab | ◆ Elective Lab |
| ◆ Probability and Statistics | ◆ Communication Skill – II |
| ◆ Computer Organization and Architecture | |
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Electives (4 subjects)

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| ◆ Web Analytics | ◆ Advance MS-Office |
| ◆ Web Analytics Lab | ◆ Advance MS-Office Lab |
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Semester III (9 subjects)

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| ◆ Data Structures and Algorithms | ◆ DBMS Lab |
| ◆ Data Structures and Algorithms Lab | ◆ Introduction to Software Engineering |
| ◆ Python Programming | ◆ Human Values and Ethics |
| ◆ Python Programming Lab | ◆ Seminar |
| ◆ DBMS | |



Curriculum Overview (continued)

Semester IV (7 subjects)

- ◆ Computer Networks
- ◆ Computer Networks Lab
- ◆ Introduction to Operating System
- ◆ Exploratory Data Analysis and Visualization
- ◆ Exploratory Data Analysis and Visualization Lab
- ◆ Fundamentals of Machine Learning
- ◆ Internship / Project

Semester V (7 subjects)

- ◆ Machine Learning Techniques
- ◆ Machine Learning Techniques Lab
- ◆ Basics of Natural Language Processing
- ◆ Research Methodology
- ◆ Elective
- ◆ Elective Lab
- ◆ Mini Project

Electives (8 subjects)

- ◆ Artificial Neural Networks
- ◆ Artificial Neural Networks Lab
- ◆ Big Data
- ◆ Big Data Lab
- ◆ Data Mining
- ◆ Data Mining Lab
- ◆ IoT
- ◆ IoT Lab



Curriculum Overview (continued)

Semester VI (5 subjects)

- ◆ Deep Learning Techniques
 - ◆ Deep Learning Techniques Lab
 - ◆ Elective I
 - ◆ Elective II
 - ◆ Major Project
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Electives (7 subjects)

- ◆ Computer Vision
- ◆ Cyber Security
- ◆ Cloud Computing
- ◆ AI in Healthcare
- ◆ Introduction to R
- ◆ Information Security and Cyber Laws
- ◆ Predictive Analytics

Fee Structure

Fee heads	Year 1	Year 2	Year 3	Total
Caution Deposit (Refundable)	₹ 20,000	—	—	₹ 20,000
I Card Fee (One time)	₹ 100	—	—	₹ 100
Tuition Fee	₹ 75,000	₹ 75,000	₹ 75,000	₹ 225,000
Campus Fee	₹ 120,000	₹ 120,000	₹ 120,000	₹ 360,000
Campus Immersion Fee (Optional)	₹ 3,000	—	—	₹ 3,000
Institute Registration Fees	₹ 2,000	₹ 2,000	₹ 2,000	₹ 6,000
Alumni Fee	₹ 2,000	₹ 2,000	₹ 2,000	₹ 6,000
Convocation Fee	₹ 2,000	₹ 2,000	₹ 2,000	₹ 6,000
Life Insurance*	₹ 100	₹ 100	₹ 100	₹ 300
Medical Insurance*	₹ 1,400	₹ 1,400	₹ 1,400	₹ 4,200
Total	₹ 225,600	₹ 202,500	₹ 202,500	₹ 630,600