

# CertNexus Certified Artificial Intelligence Practitioner Course

**Course Duration: 24 Hrs.**

**Course Code: AIP-110**

## Course Overview

The **CertNexus Certified Artificial Intelligence Practitioner** course is designed to provide professionals with a practical and vendor-neutral foundation in artificial intelligence (AI). This course focuses on understanding AI concepts, use cases, and ethical considerations while enabling participants to apply AI techniques to real-world business problems. It bridges the gap between theory and practice, helping learners collaborate effectively with data scientists and AI engineers and prepare for the CertNexus AIP-110 certification exam.

## What You'll Learn?

By completing this course, you will be able to:

- Understand core artificial intelligence concepts and terminology
- Identify appropriate AI use cases and business applications
- Explain machine learning, deep learning, and neural networks
- Work with data for AI solutions and understand data preparation
- Evaluate AI models and interpret results
- Address ethical, legal, and governance considerations in AI
- Prepare confidently for the CertNexus AIP-110 certification exam

## Target Audience

This course is ideal for:

- IT Professionals and Technical Managers

- Business Analysts and Product Managers
- Software Developers and Testers
- Data Analysts and AI Enthusiasts
- Professionals seeking AI literacy and certification

## Pre-Requisites

Participants should have:

- Basic understanding of IT concepts
- Familiarity with data and analytics fundamentals
- Interest in artificial intelligence applications
- No prior AI or machine learning experience required

## Course Content

### Module 1: Introduction to Artificial Intelligence

- AI concepts, history, and terminology
- Types of AI and real-world applications
- AI trends and business impact

### Module 2: Data and AI Foundations

- Data types and data quality
- Data preparation and feature engineering basics
- Role of data in AI solutions

### Module 3: Machine Learning and Deep Learning

- Supervised, unsupervised, and reinforcement learning
- Neural networks and deep learning concepts

- Common AI algorithms and models

#### **Module 4: Applying AI to Business Problems**

- Identifying AI use cases
- AI solution lifecycle
- Working with AI teams and stakeholders

#### **Module 5: AI Model Evaluation and Deployment Basics**

- Model training and evaluation metrics
- Bias, fairness, and interpretability
- Deployment considerations

#### **Module 6: Ethics, Governance, and Exam Preparation**

- Ethical and responsible AI
- Legal and compliance considerations
- Certification exam overview and preparation tips