

# AI Course Training in Hyderabad

**Course Duration : 40 Hours**

**Course code : AI-HYD-801**

## 1. Course Overview

The AI Course Training in Hyderabad is designed to provide learners with a strong foundation in Artificial Intelligence along with practical exposure to real-world applications. This course covers essential topics such as machine learning, deep learning, natural language processing, and computer vision. Learners will gain hands-on experience using Python and industry-relevant tools to build intelligent models.

## 2. What you'll learn?

- Fundamentals of Artificial Intelligence and Machine Learning
- Python programming for AI development
- Data preprocessing and model building
- Deep learning and neural networks
- Natural Language Processing and Computer Vision
- Model deployment and real-world applications

## 3. Target Audience

- Students and fresh graduates
- Working professionals seeking career growth
- IT professionals and developers
- Data analysts and engineers
- Entrepreneurs interested in AI solutions

## 4. Pre-Requisites

- Basic knowledge of programming (Python preferred)
- Understanding of basic mathematics (statistics & algebra)
- Logical thinking and analytical skills
- No prior AI experience required

## 5. Course Content (Modules)

### Module 1: Introduction to AI & Python

- Basics of Artificial Intelligence
- Python programming fundamentals
- Data handling with NumPy and Pandas

### Module 2: Machine Learning

- Supervised and unsupervised learning
- Regression and classification models
- Model evaluation techniques

### Module 3: Deep Learning

- Neural networks and architectures
- TensorFlow and Keras basics
- Building deep learning models

### Module 4: NLP & Computer Vision

- Text preprocessing and sentiment analysis
- Chatbots and NLP concepts
- Image processing and OpenCV basics

## Module 5: Model Deployment & Capstone Project

- Model deployment fundamentals
- API integration and cloud basics
- Real-time project development

