

AI Training

Course Duration : 40 Hours

Course code : AI

1. Course Overview

AI Training is a comprehensive program designed to help learners master

Artificial Intelligence concepts and practical applications. This training covers core areas such as machine learning, deep learning, natural language processing, and computer vision. Students will gain hands-on experience using Python and advanced AI tools widely used in the industry.

2. What you'll learn?

- Introduction to Artificial Intelligence and its applications
- Python programming for AI development
- Machine learning algorithms and model building
- Deep learning and neural networks
- Natural Language Processing and Computer Vision
- Deployment of AI models in real-world environments

3. Target Audience

- Students and fresh graduates
- Working professionals looking for career growth
- IT professionals and developers
- Data analysts and engineers
- Entrepreneurs exploring AI solutions

4. Pre-Requisites

- Basic programming knowledge (Python preferred)
- Understanding of basic mathematics (statistics & algebra)
- Analytical thinking and problem-solving 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 techniques
- Model evaluation and optimization

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 introduction
- Real-time project development