London TDM

Artificial Intelligence and Data Science Training Courses

Course Venue: United Kingdom - London

Course Date: From 01 February 2026 To 05 February 2026

Course Place: London Paddington

Course Fees: 7,500 USD

Introduction

This 5-day professional course, "Introduction to Artificial Intelligence," is designed to provide participants with a comprehensive understanding of the fundamental concepts and applications of AI. Participants will explore various AI technologies, learn about the ethical considerations associated with AI, and understand how AI is impacting industries worldwide. By the end of the course, attendees will have a solid foundation in AI and be equipped with the knowledge to further explore specialized AI topics or applications.

Objectives

- Understand the basic concepts and history of Artificial Intelligence.
- Explore different applications and use cases of AI across industries.
- Learn about machine learning, deep learning, and data analysis techniques.
- Understand the ethical and societal implications of AI.
- Gain practical insights into AI tools and technologies.

Course Outlines

Day 1: Introduction to Artificial Intelligence

- Definition and history of AI.
- Various fields and branches of AI.
- The Turing Test and its significance.
- AI vs Human Intelligence: An overview.
- Current trends and future outlook of AI.

Day 2: AI Applications and Use Cases

- AI in healthcare: Diagnosis and treatment.
- AI in finance: Fraud detection and algorithmic trading.
- Autonomous vehicles and transportation industry.
- AI in customer service: Chatbots and virtual assistants.
- Smart cities and AI in urban management.

Day 3: Machine Learning and Deep Learning

- Introduction to machine learning: Supervised vs unsupervised learning.
- Deep learning and neural networks basics.
- Tools and platforms for machine learning.
- Evaluation and validation of machine learning models.
- Hands-on exercise: Building a simple machine learning model.

Day 4: Ethical and Societal Implications of AI

- Privacy concerns and data security in AI.
- AI bias and fairness: Challenges and solutions.
- The impact of AI on employment and the economy.
- AI and decision-making transparency.

- Regulation and governance of AI technologies.

Day 5: Practical Insights and Future Directions

- Overview of popular AI tools and frameworks.
- Developing AI strategies for businesses.
- Industry case studies and success stories.
- The future of AI: Emerging technologies and innovations.
- Final discussion and Q&A session.