

# AI Fundamentals and Digital Transformation

## Venue Information

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**Venue:** London UK

**Place:**

**Start Date:** 2025-12-22

**End Date:** 2025-12-26

## Course Details

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**Net Fee:** £4750.00

**Duration:** 1 Week

**Category ID:** CACETC

**Course Code:** CACETC-71

## Syllabus

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### Course Overview

This course introduces the core concepts of AI and its integration with digital transformation strategies in construction. It lays a strong foundation for understanding data-driven workflows and intelligent support systems.

### Learning Objectives

- Understand the fundamentals of AI, ML, and data science.
- Explore the impact of AI in transforming the construction sector.
- Analyze how to develop data strategies and leverage them effectively.

## **Prerequisites**

Basic digital literacy and understanding of construction operations.

## **Course Duration**

5 Days (Theoretical and Strategic Concepts)

## **Daily Course Breakdown**

### **Day 1**

Gain a strong introduction to AI and ML in the context of construction. Understand the foundational changes digital transformation is bringing to the industry.

### **Day 2**

Explore the fundamentals of data science and how data strategies are implemented in construction enterprises to support innovation.

### **Day 3**

Learn how AI aids intelligent decision-making through algorithms and real-time analytics tailored for construction needs.

### **Day 4**

## **Day 5**

Examine strategic implementation through project examples, and explore future paths of AI-enabled evolution in construction practices.