AI Fundamentals and Digital Transformation

Venue Information

Venue: London UK

Place:

Start Date: 2025-07-14

End Date: 2025-07-18

Course Details

Net Fee: £4750.00

Duration: 1 Week

Category ID: CACETC

Course Code: CACETC-69

Syllabus

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.