London TDM

Civil and Construction Engineering Training Courses

Course Venue: Malaysia - Kuala Lumpur

Course Date: From 22 March 2026 To 26 March 2026

Course Place: Royale Chullan Hotel

Course Fees: 6,000 USD

Introduction

Urban infrastructure planning is a critical discipline that ensures the effective development and management of the facilities and services essential for urban environments. This 5-day professional course is designed to equip participants with the necessary skills and knowledge to plan, implement, and manage urban infrastructure strategically and sustainably.

Objectives

- Understand the fundamental concepts and principles of urban infrastructure planning.
- Analyze the components and types of urban infrastructure systems.
- Examine the integration of sustainability into urban infrastructure planning.
- Develop strategies for effective stakeholder engagement in urban planning.
- Apply case studies to reinforce learning and practical application.

Course Outlines

Day 1: Introduction to Urban Infrastructure Planning

- Definition and scope of urban infrastructure planning
- Historical perspectives and evolution
- Key challenges and opportunities
- The role of urban infrastructure in economic growth
- Case studies of successful planning strategies

Day 2: Components and Systems of Urban Infrastructure

- Transportation and mobility systems
- Water and sanitation infrastructure
- Energy supply systems
- Communication networks
- Social infrastructure: health, education, and housing

Day 3: Sustainability in Urban Infrastructure Planning

- Principles of sustainable development
- Green infrastructure and environmental impact assessments
- Smart cities and technological innovations
- Climate resilience and adaptation strategies
- Policy frameworks for sustainable infrastructure

Day 4: Stakeholder Engagement and Governance

- Identifying key stakeholders in urban planning
- Techniques for effective stakeholder engagement
- Role of government and policy makers
- Public-private partnerships in infrastructure development
- Community involvement and participatory planning

Day 5: Practical Application and Case Studies

- Analysis of urban infrastructure projects
- Problem-solving and strategic decision-making
- Risk management in infrastructure planning
- Workshop: Developing an urban infrastructure plan
- Reflection and feedback session