London TDM

Information Technology and Digital Transformation Training Courses

Course Venue: Malaysia - Kuala Lumpur

Course Date: From 17 May 2026 To 21 May 2026

Course Place: Royale Chullan Hotel

Course Fees: 6,000 USD

Introduction

The Internet of Things (IoT) is revolutionizing the way modern enterprises operate, offering enhanced connectivity, automation, and insightful data analytics. This 5-day professional course is designed to provide participants with a comprehensive understanding of IoT technologies and their application in enterprise environments. Through interactive sessions and hands-on experiences, attendees will learn how to leverage IoT to improve operational efficiency and drive business innovation.

Objectives

- Understand the fundamentals and architecture of IoT systems.
- Explore various IoT technologies and platforms used in enterprises.
- Identify the potential benefits and challenges of IoT implementation.
- Learn about IoT security and data management strategies.
- Develop skills to design and deploy IoT solutions in real-world scenarios.

Course Outlines

Day 1: Introduction to IoT

- Overview of IoT and its significance in modern enterprises.
- Key components and architecture of IoT systems.
- Current trends and future directions in IoT technology.
- Case studies of IoT applications in various industries.
- Initial setup of a basic IoT system.

Day 2: IoT Technologies and Platforms

- Overview of IoT communication protocols and standards.
- Exploration of popular IoT platforms and their features.
- Hands-on session: Deploying sensors and actuators.
- Connectivity options: wired, wireless, and cloud-based solutions.
- Introduction to edge computing and its role in IoT.

Day 3: Implementing IoT in Enterprises

- Assessing business needs and identifying IoT use cases.
- Developing a roadmap for IoT integration in enterprise settings.
- Designing an IoT proof of concept (PoC) for enterprise applications.
- Evaluating IoT solutions and vendors.
- Understanding the regulatory and compliance aspects of IoT.

Day 4: IoT Security and Data Management

- Exploring IoT security risks and challenges.
- Strategies for securing IoT devices and networks.
- Data management protocols for IoT-generated data.
- Hands-on session: Implementing security best practices.
- Privacy considerations and data protection in IoT environments.

Day 5: Designing and Deploying IoT Solutions

- Project workshop: Designing a scalable IoT solution.
- Best practices for deploying and managing IoT devices.
- Monitoring and analytics in IoT systems for business insights.
- Feedback session: Evaluating and optimizing IoT deployments.
- Future developments and preparing enterprises for IoT advancement.