London TDM

Information Technology and Digital Transformation Training Courses

Course Venue: United Arab Emirates - Dubai

Course Date: From 28 June 2026 To 02 July 2026

Course Place: Downtown Dubai

Course Fees: 5,000 USD

Introduction

Agile and DevOps are integral methodologies in modern IT environments, facilitating rapid and reliable software delivery. This professional course aims to provide in-depth understanding and practical skills for adopting and implementing Agile and DevOps strategies effectively. Over the span of five days, participants will gain knowledge about agile frameworks, continuous integration and deployment, collaboration, and automation, equipping them to drive innovation in their organizations.

Objectives

- Understand the principles and practices of Agile methodology in IT environments.
- Explore the core concepts and practices of DevOps.
- Learn how to implement continuous integration and continuous deployment (CI/CD).
- Understand the role of automation and monitoring in DevOps.
- Gain practical experience through case studies and hands-on exercises.

Course Outlines

Day 1: Introduction to Agile and DevOps

- Overview of Agile methodologies (Scrum, Kanban, etc.).
- Key principles and values of Agile.
- Introduction to DevOps culture and practices.
- Agile vs DevOps: similarities and differences.
- Group activity: Identifying pain points in software development.

Day 2: Agile Practices and Tools

- Deep dive into Scrum and Kanban frameworks.
- Agile tools: Jira, Trello, and Confluence.
- User stories, sprints, and backlog management.
- Agile testing and quality assurance practices.
- Workshop: Creating a Sprint cycle and backlog grooming.

Day 3: DevOps Practices and Tools

- Core DevOps principles and practices.
- Understanding CI/CD pipelines.
- DevOps tools: Jenkins, Git, Docker.
- Infrastructure as Code (IaC) and configuration management.
- Hands-on: Setting up a basic CI/CD pipeline.

Day 4: Automation and Monitoring

- Role of automation in DevOps.
- Automated testing and deployment strategies.
- Monitoring tools: Prometheus, Grafana, ELK stack.
- Implementing feedback loops in development.
- Case study: Analyzing a real-world DevOps pipeline.

Day 5: Scaling and Adopting Agile and DevOps

- Scaling Agile and DevOps in large organizations.
- Challenges and best practices in transformation.
- Creating a culture of collaboration and continuous improvement.
- Integrating security in Agile and DevOps (DevSecOps).
- Capstone project: Designing a transformation plan.