London TDM

Artificial Intelligence and Data Science Training Courses

Course Venue: United Arab Emirates - Dubai

Course Date: From 31 May 2026 To 04 June 2026

Course Place: Downtown Dubai

Course Fees: 5,000 USD

Introduction

The "AI in Smart Cities and Urban Planning" course offers an in-depth exploration of how artificial intelligence technologies are reshaping urban environments. Participants will gain insights into AI applications in infrastructure, sustainability, governance, and citizen interaction, thereby enhancing their ability to contribute effectively to the development of smarter cities.

Objectives

- Understand the fundamentals of smart cities and AI integration
- Learn about AI's role in urban infrastructure management
- Explore AI-driven solutions for sustainable city growth
- Examine the ethical considerations of AI in urban planning
- Develop strategies for implementing AI solutions in smart cities

Course Outlines

Day 1: Introduction to Smart Cities and AI

- Overview of smart city concepts and components
- The role of AI in modern urban environments
- Key technologies enabling smart cities
- Case studies: Successful smart city implementations
- Challenges and opportunities in AI-driven urban planning

Day 2: AI in Urban Infrastructure

- AI applications in transportation systems
- Managing energy and water resources with AI
- Smart grids and AI-based utilities management
- Infrastructure monitoring and predictive maintenance
- Data analytics for improving urban infrastructure

Day 3: Sustainability and Environmental Impact

- AI for reducing urban carbon footprints
- Sustainable city planning through AI insights
- AI in waste management and recycling practices
- Climate resilience and adaptation with AI technologies
- Monitoring and enhancing biodiversity in urban areas

Day 4: AI in Governance and Citizen Engagement

- AI for smart governance and decision-making
- Enhancing public services through AI solutions
- Engaging citizens via AI-driven platforms
- Addressing privacy concerns and ethical AI usage
- Improving public safety with AI technologies

Day 5: Implementing AI in Smart Cities

- Developing AI strategies for urban planning
- Building partnerships for smart city initiatives
- Funding and investment opportunities for AI projects
- Evaluating and measuring success in AI implementations
- Future trends and the evolution of AI in urban environments