



# استراتيجيات مبتكرة لتطوير المدن الذكية في العالم العربي

**Duration:** 5 Days

**Language:** ar

**Course Code:** IND04 - 123

## Objective

:Upon completion of this course, participants will be able to

- Understand the key components and technologies of smart cities.
  - Develop skills to plan and design smart city projects.
  - Learn about sustainable urban development practices.
  - Explore the role of data and IoT in smart city infrastructure.
- Enhance their ability to implement smart city solutions effectively.

## Audience

:This course is intended for

- Urban planners and designers
- Civil engineers
- Government officials and policymakers
- Technology managers in urban development
- Real estate developers
- Graduate students in urban planning, engineering, and related fields

## Training Methodology

The course employs a blend of instructional methods, including

- Interactive lectures
- Hands-on design and planning sessions
- Group discussions and case studies
- Expert-led Q&A sessions
- Comprehensive course materials and resources

## Summary

As urban populations continue to grow, the need for sustainable, efficient, and technologically advanced cities becomes more pressing than ever. This advanced course delves into the principles and practices of designing and developing smart cities, equipping participants with the knowledge and skills required to drive innovation in urban environments. With a focus on integrating cutting-edge technologies, sustainable solutions, and forward-thinking strategies, the course offers a comprehensive exploration of how smart cities can enhance the quality of life for their residents while addressing critical challenges such as climate change, resource management, and urban mobility.

Participants will gain in-depth insights into the core technologies that underpin smart city development, including the Internet of Things (IoT), big data analytics, and renewable energy systems. The course also emphasises the importance of governance, policy frameworks, and stakeholder collaboration in shaping smart urban ecosystems. By combining theoretical concepts with real-world applications, participants will be prepared to design cities that are not only intelligent but also inclusive and resilient.

Through engaging discussions, case studies, and hands-on projects, professionals will learn how to implement innovative strategies for urban planning, infrastructure development, and citizen engagement. Whether you're a city planner, technology expert, or policy advisor, this course provides the tools and frameworks needed to lead transformative change in the urban landscape. Join us in the global movement toward smarter, more sustainable cities.

# Course Content & Outline

## Section 1: Introduction to Smart Cities

- Overview of smart city concepts and definitions
- Key drivers and benefits of smart city development
  - Global examples of successful smart cities

## Section 2: Smart City Technologies

- Internet of Things (IoT) and its applications in smart cities
  - Role of big data and analytics in urban planning
- Smart infrastructure: transportation, energy, and water management

## Section 3: Sustainable Urban Development

- Principles of sustainable city design
- Integrating green technologies and renewable energy sources
  - Urban mobility and smart transportation solutions

## Section 4: Planning and Designing Smart Cities

- Developing smart city master plans
- Stakeholder engagement and participatory planning
- Case studies of smart city projects and initiatives

## Section 5: Implementation and Future Trends

- Strategies for implementing smart city solutions
- Governance and policy frameworks for smart cities
- Emerging trends and future challenges in smart city development
  - Course review and expert Q&A

## Certificate Description

Holistique Training. عند إتمام هذه الدورة التدريبية بنجاح، سيحصل المشاركون على شهادة إتمام التدريب من (e-Certificate) (كترونية) (Holistique Training). وبالنسبة للذين يحضرون ويكمرون الدورة التدريبية عبر الإنترنت، سيتم تزويدهم بشهادة

وخدمة اعتماد التطوير المهني (BAC) معتمدة من المجلس البريطاني للتقييم Holistique Training شهادات ISO 9001 أو ISO 29993. كما أنها معتمدة وفق معايير (CPD) المستمر

لهذه الدورة من خلال شهادتنا، وستظهر هذه النقاط على شهادة إتمام (CPD) يتم منح نقاط التطوير المهني المستمر واحدة عن كل ساعة CPD يتم منح نقطة، ووفقاً لمعايير خدمة اعتماد Holistique Training. التدريب من لأي دورة واحدة نقدمها حالياً CPD حضور في الدورة. ويمكن المطالبة بحد أقصى قدره 50 نقطة

## Categories

البناء والعقارات, الهندسة

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