"تطور المدن الذكية في العالم العربي: التخطيط والتطوير"

Duration: 5 Days

Language: ar

Course Code: IND04 - 125

Objective

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

- Understand smart city concepts and principles.
- Develop strategies for smart infrastructure.
- Enhance urban mobility and energy systems.
- Implement IoT and big data solutions.
- Foster public sector innovation and citizen engagement.

Audience

This course is intended for:

- Urban planners and designers
- Government officials and policymakers
- Technology and innovation professionals
- Environmental and sustainability consultants
- Project managers in urban development

Training Methodology

This course uses a variety of adult learning styles to aid full understanding and comprehension. Including:

- Interactive lectures and discussions
- Real-world case studies
- Group projects and collaborative exercises
- Practical workshops on smart city tools

Summary

As cities evolve to meet the demands of growing populations and environmental challenges, the concept of smart cities has emerged as a transformative solution for creating urban environments that are efficient, sustainable, and liveable. This course provides a comprehensive exploration of the design and development of smart cities, focusing on the integration of cutting-edge technologies, sustainable practices, and innovative solutions to address modern urban challenges.

Participants will gain a deep understanding of the principles that underpin smart urban infrastructure, including the strategic use of the Internet of Things (IoT), big data analytics, and advanced communication systems to enhance city functionality and citizen engagement. The course highlights the importance of public sector innovation, collaboration, and policy frameworks in driving the success of smart city initiatives.

Through a dynamic blend of interactive lectures, case studies of successful smart city projects, and hands-on workshops, participants will develop the skills and knowledge needed to contribute to planning and executing smart city projects. Key topics include energy-efficient infrastructure, intelligent transportation systems, smart governance, and the use of data-driven insights for decision-making.

Whether you are a city planner, technology innovator, policy advisor, or sustainability professional, this course equips you with the tools to shape the future of urban living. Join us to discover how to design cities that balance technological advancement with environmental stewardship, creating vibrant, resilient communities for generations to come.

Section 1: Introduction to Smart Cities

- Definitions and key concepts
- Drivers of smart city development
- Case studies of global smart cities

Section 2: Smart Urban Infrastructure

- Principles of smart urban design
- Integrating technology with infrastructure
- Managing transitions from legacy systems

Section 3: Public Sector Innovation

- Role of government in smart city development
- E-government and digital governance
- Innovation strategies for the public sector

Section 4: IoT and Big Data in Smart Cities

- Overview of IoT applications
- Big data analytics for urban management
- Privacy and security considerations

Section 5: Smart Mobility and Energy Systems

- Smart transportation solutions
- Sustainable urban energy systems
- Case studies on mobility and energy innovations

Section 6: Citizen Engagement and Smart Living

- Enhancing quality of life through technology
- Citizen-centric smart city initiatives
- Measuring and improving citizen satisfaction

Certificate Description

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

شهادات Holistique Training معتمدة من المجلس البريطاني للتقييم واعتماد التطوير المهني (BAC) وخدمة (CPD)، كما أنها معتمدة وفق معايير ISO 9001 وISO 21001 وISO 29993.

يتم منح نقاط التطوير المهني المستمر (CPD) على شهادة إتمام هذه النقاط، وستظهر هذه النقاط على شهادات من خلال شهاداتنا لهذه الدورة. TrainingHolistique اعتماد خدمة لمعايير ووفقًا CPD، يتم منح نقطة CPD عن كل ساعة تدريب واحدة من أي دورة نقدمها حاليًا CPD حضور في الدورة. ويمكن المطالبة بحد أقصى قدره 50 نقطة لأي دورة واحدة.

Categories

البناء والعقارات, الهندسة

Related Articles

Urban Tourism: A Kaleidoscope of City Adventures

Embark on a captivating journey into the world of urban tourism, where cities become canvases of culture, history, and modernity. Explore the social impact, economic significance, and sustainable strategies that shape the vibrant pulse of urban destinations.