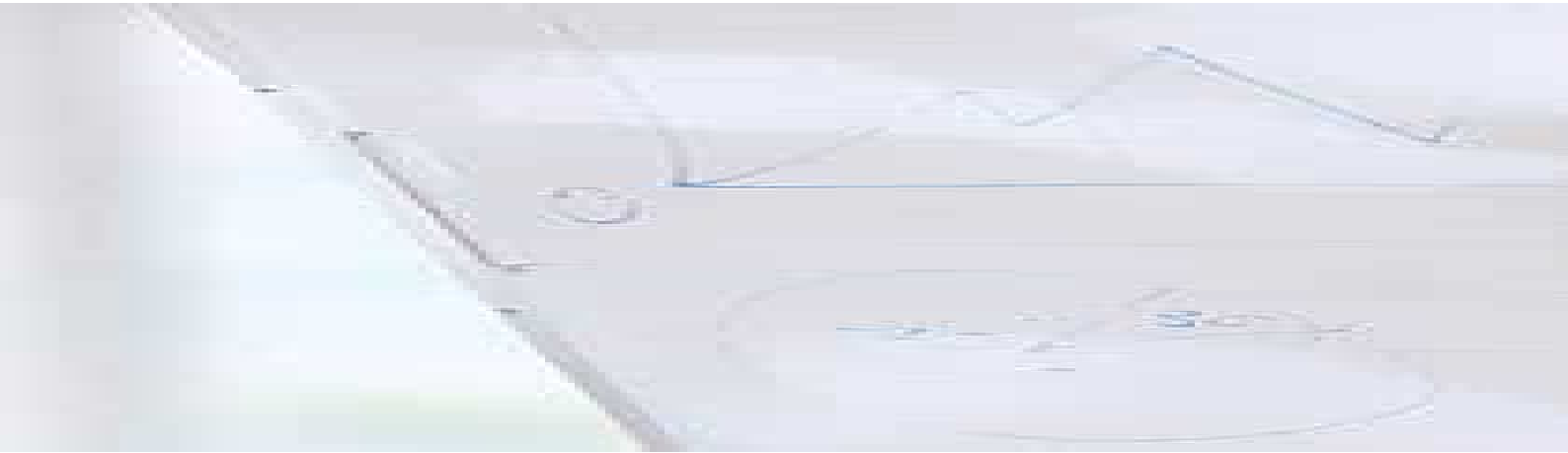


“Excellent Service – Excellent Delivery”
Choice Point Media cc



3 days

An intensive professional development training course on

Smart Cities: Technologies for Sustainable and Connected Urban Living (Hands-On)

Empowering Leaders to Build Smarter, Greener, and More Resilient Urban Futures

Why Choose this Training Course?

As urban populations continue to grow, cities face unprecedented challenges in managing resources, infrastructure, and services sustainably. The concept of smart cities offers a transformative approach by leveraging advanced technologies like IoT, data analytics, and AI to enhance urban living, improve efficiency, and create sustainable environments. Smart cities are not just about technology—they are about creating spaces that are sustainable, connected, and responsive to the needs of their citizens.

This Smart Cities: Technologies for Sustainable and Connected Urban Living (Hands-On) training course is designed to provide participants with a comprehensive understanding of the technologies that drive smart cities and their real-world applications. Through practical workshops, interactive discussions, and strategic planning exercises, participants will learn how to apply these technologies to design and implement sustainable urban solutions. By the end of the course, participants

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8-10 Oct 2025

Southern Sun Hotel

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VIEW COURSE

will be equipped with the skills and insights to lead the development of smart, sustainable, and connected cities.

What are the Goals?

By the end of this course, participants will be able to:

- Develop a deep understanding of the core technologies behind smart cities, including IoT, AI, and renewable energy
- Explore how connected systems improve urban efficiency in areas like transportation, utilities, and public safety
- Learn to leverage urban data for informed decision-making and smarter city management
- Gain hands-on experience with tools like prototyping and 3D printing for urban innovation
- Create actionable strategies for sustainable and resilient urban development

Who is this Training Course for?

This training course is suitable to a wide range of professionals but will greatly benefit:

- Urban planners and city managers aiming to integrate smart technologies
- Technology professionals working on urban innovation projects
- Sustainability experts and environmental advocates
- Decision-makers and leaders focused on enhancing urban living through technology

How will this Training Course be Presented?

This Choice Point Media cc training course will utilise a variety of proven adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented. This includes an interactive mixture of lecture-led learning & group discussions.

Daily Agenda

Day One:

Foundations of Smart City Technologies

- Introduction to smart cities: Definition, goals, and global trends
- Key technologies in smart cities: IoT, AI, renewable energy, and big data
- Understanding the smart city ecosystem: Stakeholders, challenges, and opportunities
- Hands-on session: Exploring IoT sensors and basic setups for urban applications

Day Two:

Leveraging Data for Smarter City Management

- The importance of data in smart city planning and operations
- Tools and techniques for collecting, analyzing, and visualizing urban data
- Real-world examples of data-driven decisions improving urban life
- Practical exercise: Creating a data strategy to address a specific urban challenge

Day Three:

Strategic Planning for Sustainable Urban Development

- Frameworks for sustainable urban development and smart city planning
- Leadership and stakeholder collaboration in implementing smart city projects
- Ethical considerations and the role of citizen engagement
- Group activity: Presenting a strategic plan for a sustainable and connected urban project
- Course wrap-up: Key takeaways, lessons learned, and actionable next steps

Enhancing Urban Efficiency with Connected Systems

- The role of IoT and connectivity in improving urban infrastructure
- Applications in transportation: Smart traffic management and public transit systems
- Innovations in utilities: Smart grids, energy management, and water conservation
- Workshop: Designing a connected system to optimize urban efficiency

Innovating Urban Solutions with Prototyping and 3D Printing

- Introduction to 3D printing and prototyping for urban innovation
- Applications in urban planning: Housing, infrastructure, and utilities
- Workshop: Creating and testing a 3D-printed prototype for a real-world urban problem
- Group activity: Collaborative innovation using prototyping tools

Certificate

- Choice Point Media cc Certificate of Completion for delegates who attend and complete the training course