MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

SMART CITIES – MANAGEMENT OF SMART URBAN INFRASTRUCTURES (DIGITAL TECHNOLOGIES)

"Transforming Cities Through Smart Infrastructure and Digital Innovation."

Schedule

Venue	Fees
In-House	ASK FOR THE QUOTATION

► **Available delivery methods:** In-House Training

Introduction

This intensive course equips urban planners, infrastructure managers, and government leaders with the knowledge to design, manage, and sustain smart cities. It explores how digital technologies—such as IoT, big data, AI, and integrated platforms—can optimize energy, water, transport, and public services. With a focus on real-world applications and global best practices, the course empowers participants to lead the transition to more efficient, sustainable, and citizen-centric urban environments.

Objectives

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

- Understand the core components of smart city ecosystems
- Apply digital technologies to urban infrastructure management
- Evaluate smart city planning, deployment, and governance models
- Integrate IoT, cloud, and AI for real-time decision-making
- Analyze data to improve sustainability, mobility, and public safety

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Why Attend

Smart cities represent the future of urban development. This course provides the vision, technical insights, and practical frameworks needed to lead smart infrastructure projects in your city or organization.

Target Audience

- Urban planners and municipal engineers
- Smart city project managers and consultants
- Infrastructure and utility authorities
- ICT leaders in local government
- Environmental and transport regulators

Individual Benefits

- Gain strategic and technical expertise in smart infrastructure
- Enhance your role in urban innovation and policy
- Improve digital transformation capabilities in city projects
- Increase career potential in public-private smart development

Organizational Benefits

- Drive urban efficiency, resilience, and sustainability
- Enhance public services using real-time digital tools
- Foster data-driven planning and community engagement
- Align with global smart city benchmarks and funding opportunities

Instructional Methodology

- Case studies from leading smart cities (e.g., Singapore, Barcelona)
- Hands-on simulations using digital infrastructure tools
- Team workshops on integrated urban systems
- Guest lectures from smart city innovation hubs

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Course Outline

DETAILED 5-DAY COURSE OUTLINE (CUSTOMIZABLE)

Training Hours: 7:30 AM – 3:30 PM

Daily Format: 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Foundations of Smart Cities & Infrastructure

Module 1: Introduction to Smart Urbanism and Global Trends (07:30 – 09:30)

Module 2: Key Pillars: Mobility, Energy, Water, Waste, ICT (09:45 – 11:15)

Module 3: Digital Infrastructure Planning – Strategies & Models (11:30 – 01:00)

Module 4: Governance, Policy, and Funding for Smart Cities (02:00 – 03:30)

Day 2: Digital Technologies in Urban Infrastructure

Module 1: Internet of Things (IoT) for Cities – Devices and Applications (07:30 – 09:30)

Module 2: Data Analytics and Urban Intelligence Platforms (09:45 – 11:15)

Module 3: Cloud, Edge, and AI in Urban Systems (11:30 – 01:00)

Module 4: Integrating ICT with Traditional Urban Infrastructure (02:00 – 03:30)

Day 3: Sector-Wise Smart Infrastructure Applications

Module 1: Smart Mobility and Intelligent Transportation Systems (07:30 – 09:30)

Module 2: Smart Energy Grids and Renewable Integration (09:45 – 11:15)

Module 3: Digital Water and Waste Management Systems (11:30 – 01:00)

Module 4: Smart Buildings and Urban Resilience (02:00 – 03:30)

Day 4: Citizen Engagement, Security, and Ethics

Module 1: Citizen-Centric Design and Urban Inclusion (07:30 – 09:30)

Module 2: Cybersecurity & Privacy in Smart Urban Systems (09:45 – 11:15)

Module 3: Data Ethics and Transparent Governance (11:30 – 01:00)

Module 4: Case Study Simulation: Designing a Smart District (02:00 – 03:30)

Day 5: Strategic Implementation & Monitoring

Module 1: Creating a Smart City Roadmap & KPIs (07:30 – 09:30)

Module 2: Smart Procurement and Vendor Collaboration (09:45 – 11:15)

Module 3: Financing, Public-Private Partnerships, and Scaling (11:30 – 01:00)

Module 4: Final Group Presentations & Certification Wrap-Up (02:00 – 03:30)

Certification

Participants will be awarded a **Certificate in Smart Cities – Management of Smart Urban Infrastructures** upon successful completion of the course, demonstrating their proficiency in deploying digital technologies to drive sustainable, inclusive, and innovative urban environments.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

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