

THE INTERNET OF THINGS (IOT) IN GOVERNMENT

“Unlocking Public Sector Efficiency and Innovation Through Connected Technologies”

Schedule

Date	Venue	Fees (Face-to-Face)
20 - 24 Apr 2026	London, UK	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

The Internet of Things (IoT) is rapidly reshaping how governments deliver services, manage infrastructure, and interact with citizens. From smart transportation and intelligent waste management to real-time environmental monitoring and predictive maintenance, IoT offers transformative opportunities for public sector innovation and cost-efficiency.

This 5-day training program explores the strategic deployment of IoT in the public sector, covering policy, architecture, security, governance, and real-world applications. Designed for government leaders and technologists, the course blends strategic vision with technical frameworks to guide the design and implementation of scalable, secure, and citizen-centric IoT initiatives.

Objectives

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

- Understand IoT architecture and components relevant to government operations
- Evaluate use cases and ROI of IoT deployments in public services
- Address security, privacy, and interoperability challenges
- Design governance frameworks and vendor engagement strategies
- Drive data-driven policy-making through IoT-generated intelligence

Why Attend

- Learn how to align IoT investments with national and municipal goals
- Explore how leading governments are leveraging IoT for smart services
- Understand regulatory implications and risk mitigation in public networks
- Build internal capabilities for managing IoT projects at scale
- Develop a digital roadmap for future-ready governance

Target Audience

This program is designed for:

- Government CIOs, IT directors, and smart city coordinators
- Public sector innovation, strategy, and transformation leaders
- ICT and digital infrastructure planners
- Smart governance and data policy professionals
- City managers and ministry officials involved in digital services

Individual Benefits

Key competencies that will be developed include:

- Understanding of IoT technologies and architectures
- Strategic planning and evaluation of IoT use cases
- Data governance, cybersecurity, and privacy control techniques
- Cross-department collaboration and change leadership
- Technology procurement and vendor management for IoT

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Ability to lead IoT initiatives aligned with public service priorities
- Improved decision-making based on real-time operational data
- Strengthened digital governance and stakeholder confidence
- Increased operational efficiency across government departments
- Long-term cost savings and enhanced citizen engagement

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - Government IoT strategy, digital transformation models
- Case Studies - Global examples of IoT in urban and rural public services
- Workshops - IoT use case design, vendor assessment, and data strategy
- Peer Exchange - Best practices and implementation challenges
- Tools - Frameworks for IoT governance, risk management, and ROI tracking

Course Outline

Training Hours: 07:30 AM - 03:30 PM Daily Format: 3-4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Break: 01:00 - 02:00

Day 1: IoT Fundamentals and Public Sector Value

- Module 1: Understanding IoT for Government (07:30 - 09:30) • Core components of IoT architecture and devices • Trends and evolution of smart governance
- Module 2: Key Government Use Cases (09:45 - 11:15) • Transportation, public safety, energy, and utilities
- Module 3: Workshop - Identify IoT Opportunities in Your Sector (11:30 - 01:00) • Stakeholder mapping and use case selection

Day 2: IoT Technologies and Infrastructure

- Module 4: Networks, Platforms, and Connectivity (07:30 - 09:30) • 5G, LPWAN, edge computing, cloud integration
- Module 5: Device Management and Standards (09:45 - 11:15) • Protocols, sensors, interoperability challenges
- Module 6: Workshop - Design a Government IoT Architecture (11:30 - 01:00) • Map end-to-end components for a public service solution

Day 3: Data Management and Security

- Module 7: Data Collection and Governance (07:30 - 09:30) • Ownership, lifecycle, ethics, and access policies
- Module 8: Cybersecurity and Privacy Controls (09:45 - 11:15) • Threat modeling, encryption, identity access
- Module 9: Workshop - Conduct an IoT Risk Assessment (11:30 - 01:00) • Identify vulnerabilities and develop controls

Day 4: Implementation and Operations

- Module 10: Policy, Procurement, and Vendor Management (07:30 - 09:30) • RFP design, evaluation criteria, and SLAs
- Module 11: Monitoring and Maintenance of IoT Systems (09:45 - 11:15) • Performance tracking, fault detection, and updates
- Module 12: Workshop - Build an IoT Deployment Plan (11:30 - 01:00) • Implementation roadmap and resource planning

Day 5: Strategic Integration and Smart Governance

- Module 13: Integrating IoT into Public Policy and Planning (07:30 - 09:30) • Using IoT for data-driven governance and performance KPIs
- Module 14: Funding and Stakeholder Engagement (09:45 - 11:15) • Cross-agency collaboration, PPPs, and citizen inclusion
- Module 15: Final Workshop - Present a Smart Government Proposal (11:30 - 01:00) • Deliver an actionable IoT-based initiative for your department

Certification

Participants will receive a Certificate of Completion in The Internet of Things (IoT) in Government, recognizing their ability to lead and manage connected technologies for smarter, more responsive public services.

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