

Course No. 1703

# Future Government & Emerging Technologies Training Course

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**PUBLIC SECTOR INNOVATION & FUTURE GOVERNMENT  
GOVERNMENT & PUBLIC SECTOR**

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DURATION

**5 Days**

DELIVERY

**Classroom**



## Course Overview

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The Future Government & Emerging Technologies Training Course provides a comprehensive and practical framework for understanding the technological transformations that are reshaping the future of government and public services. The course enables government leaders and professionals to identify emerging technologies, assess their potential impact, and determine how they can be strategically applied to improve government operations, services, decision-making, and institutional performance.

Government organizations are experiencing rapid transformation driven by Generative Artificial Intelligence, data analytics, cloud computing, Internet of Things, blockchain, intelligent automation, digital twins, extended reality, and autonomous technologies. The challenge is not simply adopting new technologies, but identifying those capable of creating meaningful public value and aligning them with government strategies, citizen needs, operational priorities, and institutional capabilities.

The program explores emerging technology trends and the major forces shaping the future of government. Participants will learn how to assess technology maturity, potential impact, applicability, scalability, and implementation requirements. The course also provides practical approaches for identifying high-value government use cases and evaluating organizational readiness for emerging technology adoption.

A strong focus is placed on building smarter, more proactive, resilient, and adaptive government organizations. Participants will examine how emerging technologies can be integrated with data, digital services, automation, innovation, and institutional transformation. The program also addresses digital governance, ethics, risk management, privacy, cybersecurity, and the future skills required for responsible and sustainable technology adoption.

Through government-focused case studies, technology assessment exercises, use-case analysis, innovation workshops, and future-government roadmap development, participants will develop the capability to identify high-impact technologies and build practical strategies for adoption. The course is suitable for ministries, government authorities, municipalities, regulatory bodies, public institutions, and government-owned organizations.

## Objectives

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- Analyze the concept of Future Government and the technological forces transforming the public sector.
- Evaluate emerging technologies and their potential impact on government services, operations, policies, and decision-making.
- Explore applications of Artificial Intelligence and Generative Artificial Intelligence across government functions.
- Assess the potential of data analytics, cloud computing, Internet of Things, and other emerging technologies.
- Identify high-value government use cases for emerging technologies.
- Assess organizational readiness for emerging technology adoption and identify capability gaps.
- Analyze operational, regulatory, ethical, cybersecurity, and organizational risks associated with emerging technologies.
- Apply responsible governance principles to emerging technologies, Artificial Intelligence, and government data.
- Develop technology initiatives aligned with government strategies, institutional objectives, and public-sector priorities.
- Strengthen executive decision-making regarding technology adoption based on value, impact, feasibility, and readiness.
- Develop strategies for building future skills and technological capabilities within government organizations.
- Prepare a practical Future Government & Emerging Technologies roadmap by the end of the course.

## Who Should Attend

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This training course is designed for government executives, senior leaders, digital transformation directors, IT managers, innovation leaders, strategy professionals, institutional development managers, policy specialists, and professionals responsible for government transformation and future planning.

The course is particularly relevant to professionals working in ministries, government authorities, municipalities, regulatory bodies, public institutions, and government-owned organizations. It is also

suitable for specialists in Artificial Intelligence, data analytics, digital transformation, technology strategy, risk management, innovation, program and project management, and strategic planning.

The program will benefit decision makers and members of digital transformation, innovation, technology, and strategy committees who need to evaluate emerging technologies and make informed decisions about adoption. Participants will gain practical tools for prioritizing technologies, identifying high-value use cases, assessing readiness, managing risks, and connecting technology investments with government value and stakeholder needs.

## Learning Outcomes

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- Explain the concept of Future Government and the forces shaping its development.
- Identify key emerging technologies that may transform the public sector.
- Analyze technology trends and assess their potential impact on government services, operations, and policies.
- Evaluate applications of Artificial Intelligence and Generative Artificial Intelligence in government environments.
- Identify practical use cases for emerging technologies based on government needs and priorities.
- Assess organizational, technological, data, workforce, and governance readiness for technology adoption.
- Analyze risks and challenges associated with implementing future technologies.
- Apply governance, ethics, privacy, cybersecurity, and accountability principles to emerging technologies.
- Develop technology initiatives aligned with government strategies and institutional priorities.
- Identify future skills and capabilities required to build a future-ready government workforce.
- Develop approaches for evaluating the value, impact, feasibility, and scalability of technology initiatives.
- Prepare an integrated roadmap for transitioning toward Future Government.

## Course Outline

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### DAY 01

## Future Government & Technology Transformation

- The concept of Future Government and the evolution of government operating models
- Technological, economic, social, and institutional forces shaping the public sector
- Global trends in smart, proactive, and adaptive government
- The role of data, innovation, and technology in transforming public services
- Characteristics of a future-ready government organization

#### PRACTICAL APPLICATION

Analyze the future of a government organization and identify the major forces that could transform its operating model

### DAY 02

## Emerging Technologies & Government Applications

- Artificial Intelligence and Generative Artificial Intelligence
- Data Analytics and Big Data
- Cloud Computing and Internet of Things
- Blockchain, Digital Twins, and Intelligent Automation
- Extended Reality, Autonomous Technologies, and emerging technology ecosystems
- Assessing technology maturity and government applicability

#### PRACTICAL APPLICATION

Evaluate emerging technologies and identify those most relevant to the needs of a government organization

## DAY 03

## Government Use Cases & Technology-Driven Innovation

- Identifying high-value technology use cases
- Connecting emerging technologies with government challenges and strategic priorities
- Redesigning public services and government processes using emerging technologies
- Government innovation and developing technology-enabled prototypes
- Evaluating value, impact, feasibility, and scalability

**PRACTICAL APPLICATION**

Design emerging technology use cases for government services or operational processes

## DAY 04

## Technology Governance, Risk & Future Readiness

- Governance of emerging technologies, Artificial Intelligence, and government data
- Ethics, transparency, accountability, and responsible technology adoption
- Privacy, data protection, cybersecurity, and technology risk management
- Assessing organizational, technological, workforce, and capability readiness
- Change management and future capability development

**PRACTICAL APPLICATION**

Develop a readiness and governance assessment for a future government technology initiative

## DAY 05

## Future Government Strategy & Technology Roadmap

- Prioritizing investment in emerging technologies
- Aligning technology with government strategy, budgets, and institutional objectives
- Measuring technology value, impact, and initiative performance
- Building future capabilities, skills, and sustainable transformation
- Developing phased strategies for technology adoption and scaling

## DAY 05 — CONTINUED

**FINAL WORKSHOP**

Develop an integrated Future Government & Emerging Technologies roadmap covering technology trends, emerging technologies, use cases, priorities, readiness, governance, risks, future skills, performance indicators, implementation phases, and scalability.

## Register or Request More Information

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Course page: <https://quest-training.com/courses/future-government-emerging-technologies-training-course>

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