

AI Essential for Policymakers and Civil Servants

7 to 8 July 2026, Ashgabat

COURSE SYNOPSIS

AI Essential for Policymakers and Civil Servants in Turkmenistan is a two-day executive programme designed to support national leaders as Turkmenistan accelerates its digital transformation and prepares its **National Artificial Intelligence Strategy (2026–2028)**. Given the country's strong state-driven development model, emerging digital economy reforms, and increasing collaboration with international partners, the course equips senior officials with the governance, strategic oversight, and risk-management capabilities needed to guide responsible AI deployment across government and industry.

The programme provides a high-level, practical understanding of how **Generative AI, Agentic AI, and automation technologies** can support Turkmenistan's socio-economic priorities — including public-sector modernization, industrial upgrading, and sustainable development. Participants will learn how **trust, accountability, and human-centred governance** form the foundation for safe and effective AI adoption. The course integrates leading global frameworks (UNESCO, OECD, NIST, ISO/IEC 42001, EU AI principles) while aligning them to the country's national digitalization objectives.

By the end of the programme, participants will be able to provide informed oversight, steer national AI initiatives responsibly, and shape a governance model that reflects Turkmenistan's development agenda, regulatory priorities, and emerging AI capabilities.

COURSE FOCUS

This programme focuses on the strategic leadership responsibilities required to guide Turkmenistan's transition toward a digital and AI-enabled economy. The emphasis is on:

- Aligning AI initiatives with **national development priorities**, including digital economy expansion, state modernization, and sustainable development.
- Understanding the **role of government leadership** in shaping the National AI Strategy and establishing the regulatory, institutional, and ethical foundations for AI.
- Applying **risk-based and rights-based governance approaches** suitable for a country at an early stage of AI adoption.
- Building organisational and nationwide readiness for **Trustworthy AI**, including capacity-building, institutional coordination, and governance structures.

- Enabling leaders to champion **safe, ethical, and inclusive AI systems** that enhance public services, national productivity, and citizen well-being

COURSE OBJECTIVES

By the end of the programme, participants will be able to:

1. Understand the strategic implications of Generative, Agentic, and automation-based AI for Turkmenistan's digital transformation, economic diversification, and public-sector modernization.
2. Recognize why **Trustworthy AI** — grounded in ethics, safety, transparency, and accountability — is a national governance priority, particularly as Turkmenistan develops its **AI Strategy and digital economy roadmap**.
3. Interpret and apply global and regional AI governance frameworks (UNESCO, OECD, NIST AI RMF, ISO/IEC 42001, Singapore Model AI Governance Framework) in the context of Turkmenistan's regulatory environment.
4. Assess institutional readiness for AI using international readiness methodologies and identify gaps relevant to Turkmenistan's administrative structures and workforce capabilities.
5. Define leadership actions needed to embed Trustworthy AI into national strategies, sectoral initiatives, public-sector operating models, and cross-agency governance mechanisms.

LEARNING OUTCOMES

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

1. Articulate the role of policymakers and senior government leaders in shaping Turkmenistan's National AI Strategy and ensuring responsible AI governance across sectors.
2. Identify ethical, legal, societal, and safety risks associated with Generative and Agentic AI — especially in a rapidly digitizing public-sector context.
3. Apply a **structured Trustworthy AI governance framework** at national and organisational levels, ensuring AI systems are aligned with societal priorities and citizen protections.
4. Evaluate their ministry's or agency's AI readiness using recognised international assessment tools (e.g., UNESCO RAM) and identify required policy, capability, and infrastructure improvements.

5. Champion **responsible innovation** by supporting the development of safe AI solutions that enhance national competitiveness while safeguarding rights, security, and trust.

RESOURCE PERSON

Timothy Tay is a seasoned consultant and educator with over 40 years of cross-industry experience, specializing in AI governance, cybersecurity, governance, risk, and compliance (GRC) and Business Sustainability. He has extensive expertise in developing and delivering training programs for policymakers, civil servants and Professional, Management, Executive and Technician (PMET) Professional, focusing on emerging technologies like AI and their governance frameworks, business sustainability. He is an accomplished IT leader as well as a facilitator, consultant, coach, and auditor.

He works with organizations across both the public and private sectors, including international institutions such as the United Nations, large multinational corporations, government agencies, non-profit organizations, and small and medium enterprises.

TARGET AUDIENCE

This programme is designed specifically for Policymakers with responsibility for AI-related oversight, strategy, and governance, including:

- Policy makers and senior public-sector leaders
- Board members and non-executive directors
- C-suite and senior executives
- Governance, Risk, and Compliance (GRC) leaders involved in AI oversight

The course assumes no technical background and is tailored for decision makers who must govern AI, rather than build or operate AI systems.

CONTACTS

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PROGRAMME AGENDA

Day 1: 7 July 2026 (Tuesday)	
Time	Description
09:00 – 09:30 (30 Minutes)	Welcome and Introduction
09:30 – 10:45 (75 minutes)	<p>Session 1: AI Powered Journey to Industry 5.0</p> <ol style="list-style-type: none"> Learning Outcome Provide a high-level overview of Generative AI, Agentic AI, and Physical AI, and establish a right based Approach for Trustworthy AI which is a critical governance and ethical imperative for leadership in the era of Industry 5.0 Session Outline: <ul style="list-style-type: none"> Digital Transformation Journey Key AI Technologies - ML, NLP, Computer Vision, Robotics Industry 5.0 - Generative AI, Agentic AI, and Physical AI. Right-based approach to Trustworthy AI Governance Manage AI Risks in Industry 5.0 Era Strategic Recommendation for Industry 5.0 Wrap-up & Reflection
10:45 – 11:00 (15 Minutes)	<i>Morning Break</i>
11:00 – 12:00 (60 Minutes)	Learning Activity 1: Mapping the Generative AI Risk to Humans Right Violation with Impact Assessment and Proposed Mitigation Strategy
12:00 – 13:00 (60 Minutes)	<p>Session 2: Trustworthy AI Governance Framework</p> <ol style="list-style-type: none"> Learning Outcome Understand definition of Trustworthy AI Governance and the drivers and approaches to implement trustworthy AI at the National and the Organization Level. Session Outlines <ul style="list-style-type: none"> UN Resolution 78/265 on Trustworthy AI What is Trustworthy AI? Global Ethical Framework - UNESCO, OCED, EU AI Guideline What is AI Governance? Multi-Layers AI Governance Framework – EU AI Acts, NIST AI RMF, Asean AI Model, Microsoft Responsible AI Standard ISO 42001 AI Management System Cross-Broader Implication and Collaboration International Collaboration Platform on AI Governance Wrap-up & Reflection

13:00 - 14:00 (60 Minutes)	Lunch Break
14:00– 14:30 (30 Minutes)	Continue Session 2: Trustworthy AI Governance Framework
14:30 – 15:00 (30 Minutes)	Session 3: Building Trustworthy AI: A Framework for Responsible AI 1. Learning Outcome Equip senior leaders with a practical framework to implement trustworthy AI across the full AI project lifecycle, and link these practices to Risk Management and Operational Excellence 2. Outline: <ul style="list-style-type: none"> • Generative AI Risks • Managing Generative AI Risks in the Era of Industry 5.0 • Generative AI Tools – Use Cases and Governance Consideration • Operationalised AI Governance • Special Governance Focus Areas 3. Wrap-up & Reflection
15:00 – 15:15 (15 Minutes)	<i>Afternoon Break</i>
15:15 – 16:30 (45 Minutes)	Continue session 3: Building Trustworthy AI: A Framework for Responsible AI
16:30-17:00	Wrap up for Day 1

Day 2: 8 July 2026 (Wednesday)	
Time	Description
09:00 – 10:30 (90 Minutes)	Session 4: Is your organisation ready for Trustworthy AI? 1. Learning Outcome <ul style="list-style-type: none"> • Assess and reflect on the organization’s readiness to implement Trustworthy AI using the UNESCO Readiness Assessment Methodology (RAM) 2. Outline: <ul style="list-style-type: none"> • Introduction to UNESCO’s Trustworthy AI Readiness Assessment (RAM) • Purpose of the UNESCO’s RAM • The 5 Dimension of UNESCO Trustworthy AI Assessment Framework • How to conduct the RAM Assessment • Key Gaps and Opportunities for Alignment • Why Use the UNESCO’s Framework? • Group Discussion on common Areas of Improvement 3. Wrap-up & Reflection
10:30 – 10:45 (15 Minutes)	<i>Morning Break</i>

10:45 – 13:00 (135Minutes)	Learning Activity 2: Participants break into small groups to perform readiness assessment for a selected Agencies
13:00 – 13:00 (60 Minutes)	<i>Lunch Break</i>
13:30 – 15:00 (90 minutes)	<p>Session 5: Building an innovative and trustworthy AI Organisation</p> <p>1. Learning Outcome Participants will learn how to build and lead an innovative, trustworthy AI organization by integrating strategy, operating models, talent, partnerships, and governance to ensure responsible and effective AI adoption at scale.</p> <p>2. Outline:</p> <ul style="list-style-type: none"> • AI Strategy • AI Operating Model • AI Change Management • Structuring AI Team for Success • AI in Cybersecurity • AI Testing and Assurance <p>3. Wrap-up & Reflection</p>
15:00 – 15:15 (15 Minutes)	<i>Afternoon Break</i>
15:15:16:30 (75 Minutes)	Develop a Roadmap for each Agencies
16:30– 17:00 (30 Minutes)	End of Executive Workshop - Wrap up