



Agenda

“Embracing Digital Transformation: Artificial Intelligence (AI) Governance for Leader of the Digital Government Committee”

Date: 30-31 October 2024

Venue: American University of Phnom Penh, Phnom Penh, Cambodia

Time	Day 1, 30 October 2024 – AI Fundamental
8:30 - 9:00	Arrival of participants and Registration
9:00 - 9:15	Introduction to the Training Program Speaker: Mr. Kiyoung Ko , Director, APCICT/ESCAP
9:15 - 9:45	Session 1: Introduction <ul style="list-style-type: none"> Conduct a Get-to-know activities using the Padlet Tool and Focus on the following: <ul style="list-style-type: none"> Solicit learners’ feedback on their expectations on learning to ensure that the Learning objectives are aligned to their expectation. To create a positive and inclusive learning environment by helping students connect with one another. break the initial barriers and create a sense of community, trust, and comfort among students. Instructor: Tay Huey En, Timothy , GRC Consultant, APCICT/ESCAP
9:45 - 10:30	Session 2: Artificial Intelligence - A Transformative Technology <ul style="list-style-type: none"> Overview of Digital Transformation and AI’s role as a disruptor. The impact of AI across various sectors. The Next Wave of Disruption – AI Strategic Integration of AI Instructor: Tay Huey En, Timothy , GRC Consultant, APCICT/ESCAP
10:30 - 10:45	Coffee Break
10:45 - 11:30	Session 3: AI Impact for Economy, Society, Environment and Business <ul style="list-style-type: none"> Industry Landscape and Market Forecast

	<ul style="list-style-type: none"> • Economic Impact: Increased productivity and market creation. • Societal Impact: Job market shifts and ethical concerns. • Environmental Impact: Energy consumption increase. • Business Impact – Disrupt, Transform and Create New Industries <p>Instructor: Tay Huey En, Timothy, GRC Consultant, APCICT/ESCAP</p>
11:30 - 12:30	<p>Session 4: What is Artificial Intelligence?</p> <ul style="list-style-type: none"> • Definition: Clarifying what AI is and its capabilities. • Managing Expectations: Setting realistic goals for AI implementations • Type of AI – AI, Machine Learning, Deep Learning, Generative AI • Data: The Building Block of AI: Importance of data in AI. • Big Data in AI: Role and challenges of big data in AI. • The Role of Big Data in AI • Structure of Data – Structured, Unstructured, Semi-Structured <p>Instructor: Tay Huey En, Timothy, GRC Consultant, APCICT/ESCAP</p>
12:30 - 13:30	Lunch Break
13:30 - 14:30	<p>Session 5 – AI Applications and Use Case</p> <ul style="list-style-type: none"> • AI Industry uses Cases – Natural Language Processing, Speech Recognition, Robotics, AI in Cybersecurity, Computer Vision, AI in Healthcare, Financial Services (banks and Insurance), Bioinformatics, AI in Agriculture, AI in Climate Modelling and Conversation, AI in Supply Chain Management and Logistics, AI in Education • AI Public Sector Uses Cases – A World Bank perspective, AI in Corruption, AI for Citizen Engagement, AI in Custom, AI in Health, AI in the Judicial Sector, AI in procure, AI in Tax Compliance, AI in Tax Policy, AI in Audit <p>Instructor: Tay Huey En, Timothy, GRC Consultant, APCICT/ESCAP</p>
14:30 - 15:30	<p>Session 6: Machine Learning and Deep Learning</p> <ul style="list-style-type: none"> • Machine Learning – The Backbone of Modern AI: Introduction, how it works, types, applications, challenges. • Deep Learning: Introduction, how it works, types of models, applications, challenges <p>Instructor: Tay Huey En, Timothy, GRC Consultant, APCICT/ESCAP</p>
15:30 - 15:45	Coffee Break
15:45 - 16:30	<p>Session 7: Generative AI: Economic Impact and Potential</p> <ul style="list-style-type: none"> • Introduction to Generative AI: <ul style="list-style-type: none"> ○ Promise and opportunities

	<ul style="list-style-type: none"> ○ Generative AI capabilities and applications across industries ● Risks and Challenges: Addressing the potential risks and challenges of generative AI ● Generative AI Application ● Economic Sectors impacted by Generative AI <p>Instructor: Tay Huey En, Timothy, GRC Consultant, APCICT/ESCAP</p>
16:30 - 17:30	<p>Session 8: Paradigm Shift in Data Modelling – Foundation Models</p> <ul style="list-style-type: none"> ● How foundation models work and their impact. ● Examples like GPT-4 and DALL-E 2. <p>Instructor: Tay Huey En, Timothy, GRC Consultant, APCICT/ESCAP</p>
End of Day 1	

Time	Day 2, 31 October 2024 – AI Governance and Ethics
8:30 - 9:00	Arrival of participants and Registration
9:00 - 10:00	<p>Session 9: What is AI Governance, and Why is it Important?</p> <ul style="list-style-type: none"> ● What is AI governance? ● Core Principles of AI Governance <ul style="list-style-type: none"> ○ Ethical Principles ○ Transparency ○ Accountability ○ Fairness ○ Risk Management ○ Auditability ○ Human Oversight ● Historical context and Development of AI Governance ● Responsible AI <p>Instructor: Tay Huey En, Timothy, GRC Consultant, APCICT/ESCAP</p>
10:00 - 10:45	<p>Session 10: AI Governance Framework</p> <ul style="list-style-type: none"> ● Model AI Governance Framework <ul style="list-style-type: none"> ○ UN White Paper on AI Governance ○ UN Advisory Body on Governing AI for Humanity ○ President Biden’s Executive Order on AI ○ ASEAN AI Governance Framework ○ Model AI Governance Framework for Generative AI <p>Instructor: Tay Huey En, Timothy, GRC Consultant, APCICT/ESCAP</p>
10:45 - 11:00	Coffee Break

11:00 - 11:30	<p>Session 11: AI Governance – Ethical Framework & Global Collaborative Platform</p> <ul style="list-style-type: none"> • What is AI Ethics? • Model AI Ethics Framework <ul style="list-style-type: none"> ○ OECD AI Ethics ○ UNESCO Recommendation on AI Ethics • AI Ethics and Responsible AI <p>Instructor: Tay Huey En, Timothy, GRC Consultant, APCICT/ESCAP</p>
11:30 - 12:30	<p>Session 12: AI Governance – Ethical Framework & Global Collaborative Platform (Cont)</p> <ul style="list-style-type: none"> • ITU AI for Good’s Global AI collaborative Platform <p>Guest Speaker: ITU (TBC)</p>
12:30 - 13:30	<p>Lunch Break</p>
13:30 - 14:10	<p>Session 13: Topics: AI Governance - Laws and Regulations</p> <ul style="list-style-type: none"> • Fundamental Concept of Legal and Compliance • Framework for Legal in AI Governance EU AI Act – 2024 <p>Instructor: Tay Huey En, Timothy, GRC Consultant, APCICT/ESCAP</p>
14:10 - 15:30	<p>Session 15: Topics: AI Governance - Risk Management</p> <ul style="list-style-type: none"> • Managing and Address Risks in AI • NIST Risk Management Framework for AI <p>Instructor: Tay Huey En, Timothy, GRC Consultant, APCICT/ESCAP</p>
15:30 - 15:45	<p>Coffee Break</p>
15:45 - 16:30	<p>Session 16: Topics: AI Governance - Auditing Standard</p> <ul style="list-style-type: none"> • Introduction to AI Auditing and Understanding Bias • ISO 42001 – The Auditable Standard for AI Management System <p>Instructor: Tay Huey En, Timothy, GRC Consultant, APCICT/ESCAP</p>
16:30 - 17:30	<p>Closing Ceremony</p> <ol style="list-style-type: none"> 1. Participant’s Reflections Remarks 2. Closing Remarks by H.E. Chea Vandeth, Minister of Post and Telecommunications 3. Appreciation and Participation Certificates Handover 4. Photo session
End of Program	

Note: The agenda is subject to change if deemed necessary.