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(16 HRS)

EMERGING TECHNOLOGIES AND TRENDS



Course Synopsis

This course equips participants with a practical understanding of emerging technologies and their impact on enterprise transformation. Participants will examine key concepts, market trends, implementation considerations, and risks of failing to adopt relevant technologies. The course covers major developments in the IT space, including **Artificial Intelligence, AI TRiSM, RPA/IPA, IoT and AIoT, virtual and mixed reality, green computing, and digital twins**. Learners will also explore the post-pandemic digital workplace and the technologies shaping it, such as smart building systems, collaboration platforms, and access control solutions, before developing a proposal to optimise organisational performance through digital innovation.

Course Code: TGS-2026064503

Prerequisites

Language:

- Attained at least WPLN level 5 OR
- Obtained Grade C6 for GCE O level English OR
- Other equivalent qualifications

Academic:

- Obtained at least a pass or C6 at GCE O Level in at least 3 subjects OR
- Candidates with other qualifications will be considered on a case-by-case basis OR
- Mature candidates (≥ 30 years old) with 8 years of relevant working experience

Total Training Hours:

- 16 hours, including a 2-hour assessment
- Written Assessment

Learning Units



Learning Unit 1

What are Emerging Technologies



Learning Unit 2

How to approach Emerging Technologies?



Learning Unit 3

Exploration of Emerging Technologies
in IT



Learning Unit 4

Exploration of Digital Workplace
Technologies



Learning Unit 5

Scenario-Based Case Study

Course Objectives

By the end of this course, learners should be able to:

- ✓ Describe elements of Emerging Technology.
- ✓ Describe the pitfalls of not considering Emerging Technology.
- ✓ Review the market trends, including determining when and how to implement Emerging Technologies.
- ✓ Describe key current Emerging Technology trends in the IT space.
- ✓ Explore and comprehend Emerging Technologies such as Artificial Intelligence (AI), AI TRISM, Robotic Process Automation / Intelligent Process Automation, Internet of Things (IoT) + Artificial Intelligence of Things (AIoT), Virtual/Augmented/Mixed Reality, Green Computing, and Digital Twin.
- ✓ Discuss the concept of a Digital Workplace.
- ✓ Describe the evolution of the Workplace in a Post-Pandemic world.
- ✓ Recognise and differentiate the technologies that shape the Digital Workplace powered by AI (Artificial Intelligence), including Visitor Management Systems, Collaboration/Meeting Suites, Smart Building Platform, Security/Surveillance Systems, Access Control Systems, Room/Desk Booking Systems, and Multi-Function Devices.
- ✓ Formulate a proposal to transform and optimise and enterprise through the application of select emerging and digital workplace technologies.

Programme Fee


\$700

(exclusive of 9% GST)


PROGRAMME FEE AFTER ELIGIBLE SSG SUBSIDIES:

From **\$88.90**

(inclusive of 9% GST) after 90% SSG Subsidies

 Self-Sponsored	Course Fee before Subsidy and GST	Eligible Funding	Nett Fees Payable incl. 9% GST
Singapore Citizens ≥ 40 years old	\$700.00	90% SkillsFuture Funding	\$88.90
Singapore Citizens, PRs or LTVP+ Holders ≥ 21 years old		70% SkillsFuture Funding	\$228.90

SkillsFuture Credits can be used on top of existing subsidies

 Company-Sponsored	Course Fee before Subsidy and GST	Eligible Funding	Nett Fees Payable incl. 9% GST
Small-to-Medium Enterprise (SME) Singaporean Citizens, PRs or LTVP+ Holders ≥ 21 years old	\$700.00	90% SkillsFuture Funding	\$88.90
Non-SME Singaporean Citizens, PRs or LTVP+ Holders ≥ 21 years old		70% SkillsFuture Funding	\$228.90
Non-SME Singaporean Citizens ≥ 40 years old		90% SkillsFuture Funding	\$88.90

Singapore Citizens 21 years old and above who meet special criteria* may be eligible for Additional Course Fee Funding Support (AFS) of 95% Subsidy. AFS is only eligible for SkillsFuture Career Transition Programme applicants.

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