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AI-POWERED FINANCE:

AUTOMATING INSIGHTS & RISK MANAGEMENT

Course Synopsis

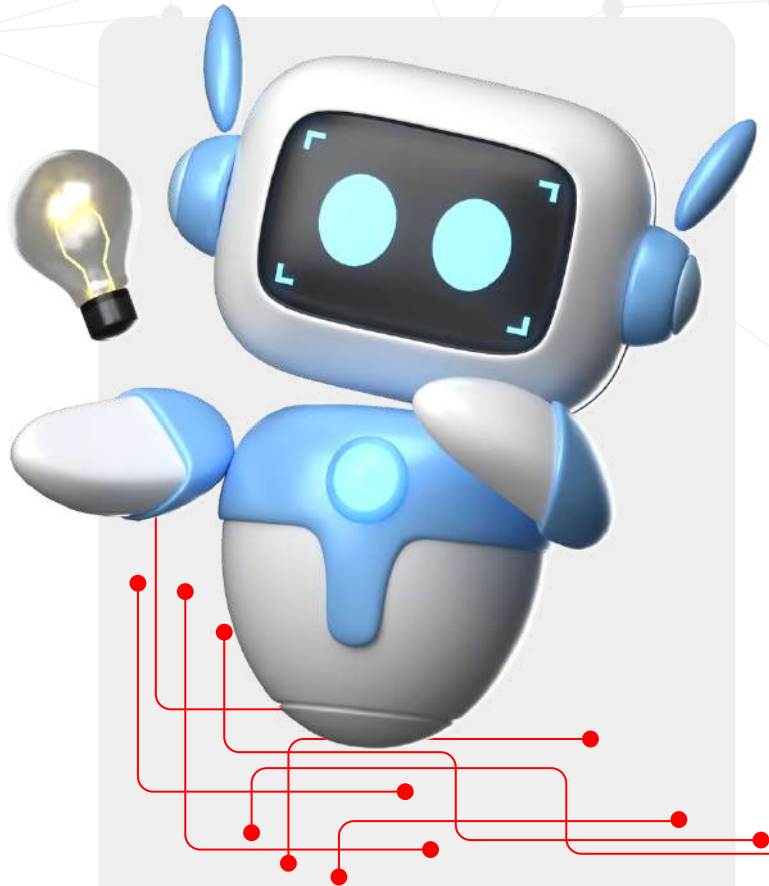
This course equips business owners, finance professionals, and individuals seeking to upskill with the practical capability to deploy Generative and Agentic AI as "cognitive thinking partners" across key financial functions. Participants will develop a structured understanding of generative and discriminative models, mastering the transition from traditional "Transactional Finance" to a "Responsible Augmented" framework.

Through high-stakes scenarios and the Finance AI Lab, participants will explore how AI agents can be orchestrated to automate complex workflows including **real-time PayNow/PINT (Peppol) reconciliations, IRAS GST validation, and Zero-Day Close operations**. The course emphasises advanced prompt engineering to **automate BEPS 2.0 tax documentation, ISSB-aligned ESG reporting, and SGX-compliant board disclosures**.

Participants will secure financial integrity by deploying AI to detect deepfake fraud, analyse circular ownership via **ACRA synthesis**, and predict risks using regional "soft data". The curriculum is deeply anchored in the **2026 MAS AI Risk Management Handbook**, teaching "**Human-in-the-Loop (HITL) oversight**" to mitigate model bias and ensure compliance with the 17 core regulatory considerations. Ethical and societal implications, such as the "**black box**" **nature of expense management** and the strategic upskilling of the workforce, are analysed to ensure transparency and fairness.

By the end of the course, you will be equipped to build a concrete Finance Augmentation Backlog, moving beyond simple automation to drive measurable ROI and strategic innovation in finance operations.

Course Code: TGS-2026064498



Prerequisites

- Experience with finance and accounting: Minimal one year of work experience with knowledge of finance and accounting

Language:

- Attained at least WPLN level 6 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:

- 24-hour training course including a 2-hour assessment
- Practical Assessment
- Written Assessment

Learning Units



Learning Unit 1

Foundations of AI Models in Finance:
Generative vs Discriminative



Learning Unit 2

How Generative AI Models Work:
Automating Finance Tasks and Workflows



Learning Unit 3

Shaping AI Outputs: Mastering Prompt
Engineering for Financial Insights



Learning Unit 4

Safeguarding Finance AI Systems: Data
Quality, Bias, and Compliance



Learning Unit 5

Strategic Innovation with AI: Brainstorming
Practical Finance Applications

Course Objectives

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

- ✓ Analyse generative and discriminative AI models to select appropriate approaches for common accounting use cases.
- ✓ Utilise generative AI models to produce outputs from training data and algorithms for automating accounting workflows such as summarisation, transformation, reasoning, and content augmentation.
- ✓ Evaluate how prompt engineering influences generative AI outputs by testing prompt variations and analysing resulting performance and fitness-for-purpose for financial insights.
- ✓ Assess how data quality and model-pipeline factors can introduce limitations or bias in AI outputs by analysing risks to compliance and the integrity of financial decision-making.
- ✓ Propose practical generative AI applications for finance by applying core principles of generative AI, while identifying ethical and societal implications and incorporating these considerations into the proposed solution.



Programme Fee

S\$1,362.50

(inclusive of
9% GST)

PROGRAMME FEE AFTER ELIGIBLE SSG SUBSIDIES:

From **S\$158.75**

(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	S\$1,250.00	90% SkillsFuture Funding	S\$158.75
Singapore Citizens, PRs or LTVP+ Holders ≥ 21 years old		70% SkillsFuture Funding	S\$408.75

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	S\$1,250.00	90% SkillsFuture Funding	S\$158.75
Non-SME Singaporean Citizens, PRs or LTVP+ Holders ≥ 21 years old		70% SkillsFuture Funding	S\$408.75
Non-SME Singaporean Citizens ≥ 40 years old		90% SkillsFuture Funding	S\$158.75

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.

Contact Us

 + 65 64846723
 + 65 94303852
 information@asktraining.com.sg
 <https://asktraining.com.sg/>

Follow Us

 @ask.training.sg
 ASK Training
 @ASK Training
 @ask_training

Find Us

 8 Jurong Town Hall Road
#27-01 The JTC Summit
Singapore 609434

 10 Anson Road
#06-11 International Plaza
Singapore 079903