

22 Aug 2024

Google is hosting a AI Trailblazer program for participants to experience a future enabled with Generative AI and [rethink building construction and maintenance with Google Cloud.](#)

Participants will be able to gain a competitive advantage, network and learn from industry peers and you will learn how to:

- *Talk to Your Data: Unlock insights hidden in your data with intuitive AI-driven conversations.*
- *Empower Your Engineers: Boost productivity with AI-powered knowledge bases and virtual assistants.*
- *Proactive Alerts: Get the right information at the right time with AI-enhanced alerts and recommended maintenance.*

Please register your interest for the workshop via below link by 4 Sep. There'll be a short 1-hour online briefing by Google from 11am -12pm on the 13 Sep for the TrailBlazer Programme.

<https://go.gov.sg/ai-trailblazers-prog>

Please feel free to contact Cherie at Cherie_KWEH@edb.gov.sg or Soo Ming at POH_Soo_Ming@imda.gov.sg if you have any queries.

Event Details

Date: 26 Sep 2024 (Thursday)

Time: 8.30AM to 5.00PM

Venue: Google Asia Pacific, 70 Pasir Panjang, #03-71 Mapletree Business City II

Pre-workshop Preparations

To ensure maximum benefits, please prepare the following:

- *Identify daily operational challenges or new product opportunities that could be solved with generative AI and prepare these use cases for the workshop.*
- *Prior to the workshop, please complete the Generative AI learning path [cloudskillsboost.google] (available for free with a google account).*
- *Optionally, consider the Cloud Digital Leader learning path [cloud.google.com] (free access, certification for a fee).*

Please bring along an internet accessible laptop for each team member for the hands-on portion.

Programme

The programme will kick off with a full-day workshop covering:

- *The basics of generative AI*
- *Different types of generative AI models*
- *How to use generative AI models through Vertex AI*
- *Use cases for generative AI*
- *Prototyping for your own use cases*

After the workshop, you can look forward to technical guidance from Google Cloud's engineers as the team develops the Minimum Viable Product (MVP), powered by generative AI.

At the end of the 10-week programme, recognition will be given to outstanding teams, assessed based on the value/impact of the MVP developed, technical competencies and the team's attitude.

Agenda

8:30 – 9:00am:

Registration & Refreshments

9:00 – 9:15am

Opening & Welcome

Agenda briefing, Program Journey, and Goal Setting

9:15 – 10:30am

Generative AI: A Primer and Intro

Overview of Generative AI and Model Adoption

Introduction to Vertex AI, Model Garden, GenAI Studio, Duet AI

Sharing on previous Trailblazers Use Cases

Demo on Duet AI

10:30 – 11:15am

Technical Workshop Pre-setup

11:15 – 12:00pm

Use Case Brainstorming

Identifying operational challenges and brainstorming new use case ideas

12:00 – 1:00pm

Lunch Break

1:00 – 4:00pm

Hands-on Lab / Coding

Walkthrough of Lab Environment

Lab: Multimodality with Gemini

Lab: Imagen, Image Creation, Visual Captioning, Visual Question and Answer

Lab: Building a Document Search Engine

Lab: Model deployment through Vertex AI Model Garden

4:00 – 4:45pm

Solution Whiteboarding & Prototyping

Group attendees based on use case, conduct the solutioning.

4:45 – 5:00pm

Summary and Follow-up

Identify engineering resources for use case development, plan for follow-ups.

Note:

Firms without in-house tech support are welcome to collaborate with Institutes of Higher Learning and/or tech partners for the development of GenAI applications tailored to their initiatives, with the aim of upskilling and enhancing their GenAI capabilities.