AI-3016: Develop generative AI apps in Azure AI Foundry portal

Duration: 01 days (08 hours)

Learning objectives:
After completing this course, students will be able to:
- Understand and utilize models in the model catalog
- Use prompt flow to implement custom logic using your language model
- Implement RAG in Azure AI Foundry
- Understand and create a fine-tuned model
- Create responsible AI solutions with content filters
- Evaluate performance of custom prompt flows

Pre-requisite:
- Familiarity with Azure AI Services and the Azure portal.

Module 01: Introduction to Azure AI Foundry
- What is Azure AI Foundry
- How does Azure AI Foundry work
- When to use Azure AI Foundry

Module 02: Explore & deploy models from model catalog in Azure AI Foundry portal
- Explore the language models in the model catalog
- Deploy a model to an endpoint
- Improve the performance of a language model

Module 03: Get started with prompt flow to develop LLM Apps in Azure AI Foundry
- Understand the development lifecycle of a large language model (LLM) app
- Understand core components and explore flow types
- Explore connections and runtimes
- Explore variants and monitoring options

Module 04: Build a RAG-based agent with your own data using Azure AI Foundry
- Understand when to fine-tune a language model
- Prepare your data to fine-tune a chat completion model
- Explore fine-tuning language models in Azure AI Studio

Module 05: Fine-tune a language model with Azure AI Foundry
- Understand when to fine-tune a language model
- Prepare your data to fine-tune a chat completion model
- Explore fine-tuning language models in Azure AI Studio

Module 06: Evaluate the performance of generative AI apps with Azure AI Foundry
- Assess the model performance
- Manually evaluate the performance of a model
- Assess the performance of your generative AI apps

Module 07: Responsible generative AI
- Plan a responsible generative AI solution
- Identify potential harms
- Measure potential harms
- Mitigate potential harms
- Operate a responsible generative AI solution