

AI-050T00: Develop Generative AI Solutions with Azure OpenAI Service Training

Course Duration: 42 Hours

Course Code: AI-050T00

1. Course Overview

The **AI-050T00: Develop Generative AI Solutions with Azure OpenAI Service** course is designed to help professionals build intelligent applications using generative AI models on Microsoft Azure. It focuses on leveraging Azure OpenAI Service to create, deploy, and optimize AI-powered solutions such as chatbots, content generators, and automation tools while ensuring responsible AI practices.

2. What You'll Learn

- Understand the fundamentals of Generative AI and Large Language Models (LLMs)
- Work with Azure OpenAI Service and deploy AI models
- Build and integrate AI-powered chatbots and applications
- Implement prompt engineering techniques for better outputs
- Manage, monitor, and optimize AI solutions on Azure
- Apply responsible AI principles and ensure ethical AI usage

3. Target Audience

- AI Engineers and Developers
- Data Scientists and ML Engineers
- Cloud Solution Architects
- Software Developers interested in AI integration
- IT Professionals looking to upgrade AI skills

4. Pre-Requisites

- Basic understanding of Microsoft Azure services
- Familiarity with programming languages like Python or C#
- Knowledge of REST APIs and JSON
- Basic understanding of AI/ML concepts (recommended but not mandatory)

5. Course Content

- Introduction to Generative AI and Azure OpenAI Service
- Getting started with Azure OpenAI and model deployment
- Prompt engineering and best practices
- Building conversational AI solutions
- Integrating Azure OpenAI with applications
- Managing and monitoring AI workloads
- Implementing responsible AI and security practices
- Real-world use cases and hands-on labs