AI-102T00-AC Designing and Implementing a Microsoft Azure AI Solution

COURSE OVERVIEW

This course is designed to teach software developers how to create AI solutions that leverage Azure Cognitive Services, Azure Cognitive Search, and Microsoft Bot Framework to build computer vision, language analysis, knowledge mining, intelligent search, and conversational AI solutions on Azure.

WHO SHOULD ATTEND?

Software engineers concerned with building, managing and deploying AI solutions that leverage Azure Cognitive Services, Azure Cognitive Search, and Microsoft Bot Framework. They are familiar with C# or Python and have knowledge on using REST-based APIs to build computer vision, language analysis, knowledge mining, intelligent search, and conversational AI solutions on Azure.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Describe considerations for AI-enabled application development.
- Create, configure, deploy, and secure Azure Cognitive Services.
- Develop applications that analyze text.
- Develop speech-enabled applications.
- Create applications with natural language understanding capabilities.
- Create QnA applications.
- Create conversational solutions with bots.
- Use computer vision services to analyze images and videos.
- Create custom computer vision models.
- Develop applications that detect, analyze, and recognize faces.
- Develop applications that read and process text in images and documents.
- Create intelligent search solutions for knowledge mining.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Planning and management of AI solutions with Azure Cognitive Services, Bot Services, and OpenAI.
- Designing computer vision solutions using image classification and object detection.
- Developing speech solutions with recognition and synthesis features.
- Building chatbots using Azure Bot Framework, QnA Maker, and Language Understanding.
- Using language services like text analytics, translation, and entity recognition.
- Applying responsible AI principles such as fairness, privacy, and security.
- Gaining hands-on experience building and deploying AI apps on Azure.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.
1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded