Designing and Implementing an Azure AI Solution (AI-100.1)

Modality: Self-Paced Learning

Duration: 16 Hours

About this Course:

The Designing and Implementing an Azure AI Solution (AI-100.1) Course is specifically designed for IT Professionals and Microsoft Azure Developers who want to learn advanced-level skills and knowledge of Azure App Development. Businesses direly need professionals who have proficiency in working with Microsoft Azure and have fundamental know-how of basic programming languages such as C#. This course trains professionals with the skillset needed to configure and implement Microsoft Azure Cognitive Services in a business enterprise.

The teachings of this course also help professionals understand the key concepts of developing basic chatbots and consuming cognitive services in applications. This course is designed for professionals who have a basic understanding of Microsoft Azure and want to expand their knowledge and attain expert-level skills. Through this course, professionals will learn the art of Azure Portal Navigation and will build stronger familiarity with the implementation techniques and Microsoft Azure Storage Technologies.

Course Objectives:

The core objective of this course is to help professionals gain a better understanding and conceptual knowledge of the following key elements:

- Accounts Configuration of Microsoft Azure Cognitive Services
- Fundamental Knowledge of Building Basic Chat Bots
- Understanding Cognitive Services Consumption in Applications
- The Fundamentals of LUIS and Bot Integration

Audience:

This course is specifically tailored for the following group of professionals and interested candidates:

- IT Professionals
- Microsoft Azure Developers

Prerequisite:

Professionals planning to enroll in the Designing and Implementing an Azure AI Solutions (AI-100.1) course must comply with the following prerequisites:

- Basic Understanding of Microsoft Azure
- Conceptual Knowledge of Key Concepts of Microsoft Azure Data Storage
- Experience of working with Visual Studio and C# Programming Language

Course Outline:

Introducing Azure Cognitive Services

- Overview of Azure Cognitive Services
- Testing Cognitive Services using API Testing Console
- Lab

Creating Bots

- Introducing the Bot Service
- Create a Basic Chat Bot
- Testing with Bot Emulator
- Lab

Enhancing Bots with QnA Maker

- Introducing QnA Maker
- Implementing a Knowledge Base with QnA Maker
- Integrating QnA with a Bot
- Lab

Learn How to Create Language Understanding with LUIS

- Introducing Language Understanding
- Creating a LUIS Service
- Build Intents and Utterances
- Lab

Enhance Your Bot with LUIS

- Overview of Language Understanding in AI Applications
- Integrating LUIS and Bots
- Lab

Integrate Cognitive Services with Bots and Agents

- Understanding Cognitive Services for Bot Interactions
- Sentiment for Bots with Text Analytics
- Detect Language in a Bot
- Lab

Course Completion

- Summary
- Post-Course Survey