Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Designing and Implementing an Azure AI Solution

CODE:	LENGTH:	PRICE:
MCS_AI-100T01	24 Hours (3 days)	€3,100.00

Description

Gain the necessary knowledge for designing Azure AI solution by building a customer support chat Bot using artificial intelligence from the Microsoft Azure platform including language understanding and pre-built AI functionality in the Azure Cognitive Services.

Audience

This course is aimed at Cloud Solution Architects, Azure artificial intelligence designers, and AI developers.

Prerequisites

Before attending this course, students must have:

•Azure Fundamentals
•Understanding of Azure storage technologies
•C# Knowledge

Programme

Module 1: Introducing Azure Cognitive Services
The student will learn about the available Cognitive Services on Microsoft Azure and their role in architecting AI solutions.
Lessons
•Overview of Azure Cognitive Services
•Creating a Cognitive Service on the Azure Portal
•Access and Test a Cognitive Service

Module 2: Creating Bots
Lessons
•Introducing the Bot Service
•Creating a Basic Chat Bot
The student will learn about the Microsoft Bot Framework and Bot Services. •Testing with the Bot Emulator

Module 3: Enhancing Bots with QnA Maker
The student will learn about the QnA Maker and how to integrate Bots and QnA Maker to build up a useful knowledge base for user interactions.
Lessons
•Introducing QnA Maker
•Implement a Knowledge Base with QnA Maker
•Integrate QnA with a Bot

Module 4: Learn How to Create Language Understanding Functionality with LUIS
The student will learn about LUIS and how to create intents and utterances to support a natural language processing solution.
Lessons
•Introducing Language Understanding
•Create a new LUIS Service
•Build Language Understanding with Intents and Utterances

Module 5: Enhancing Your Bots with LUIS
The student will learn about integrating LUIS with a Bot to better understand the users' intentions when interacting with the Bot.
Lessons
•Overview of language understanding for AI applications
•Integrate LUIS and Bot to create an AI-based solution

Module 6: Integrate Cognitive Services with Bots and Agents
The student will learn about integrating Bots and Agents with Azure Cognitive Services for advanced features such as sentiment analysis, image and text analysis, and OCR and object detection.

Lessons
•Understand Cognitive Services for Bot Interactions
•Perform Sentiment Analysis for your Bot with Text Analytics
•Detect Language in a Bot with the Language Cognitive Services
•Integrate Computer Vision with Bots

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.