

Microsoft Azure AI Fundamentals

Duration: 1 Day **Course Code: M-AI900**

Overview:

This course introduces fundamentals concepts related to artificial intelligence (AI), and the services in Microsoft Azure that can be used to create AI solutions.

The course is not designed to teach students to become professional data scientists or software developers, but rather to build awareness of common AI workloads and the ability to identify Azure services to support them. The course is designed as a blended learning experience that combines instructor-led training with online materials on the Microsoft Learn platform (<https://azure.com/learn>). The hands-on exercises in the course are based on Learn modules, and students are encouraged to use the content on Learn as reference materials to reinforce what they learn in the class and to explore topics in more depth.

Target Audience:

The Azure AI Fundamentals course is designed for anyone interested in learning about the types of solution artificial intelligence (AI) makes possible, and the services on Microsoft Azure that you can use to create them. You don't need to have any experience of using Microsoft Azure before taking this course, but a basic level of familiarity with computer technology and the Internet is assumed. Some of the concepts covered in the course require a basic understanding of mathematics, such as the ability to interpret charts. The course includes hands-on activities that involve working with data and running code, so a knowledge of fundamental programming principles will be helpful.

Objectives:

- Students will learn,
- Microsoft Azure AI Fundamentals: AI Overview
- Microsoft Azure AI Fundamentals: Computer Vision
- Microsoft Azure AI Fundamentals: Natural Language Processing
- Microsoft Azure AI Fundamentals: Document Intelligence and Knowledge Mining
- Microsoft Azure AI Fundamentals: Generative AI

Content:

Module 1: Microsoft Azure AI Fundamentals: AI Overview

- Fundamental AI Concepts
- Fundamentals of machine learning
- Fundamentals of Azure AI services

Module 2: Microsoft Azure AI Fundamentals: Computer Vision

- Fundamentals of Computer Vision
- Fundamentals of Facial Recognition
- Fundamentals of optical character recognition

Module 3: Microsoft Azure AI Fundamentals: Natural Language Processing

- Fundamentals of Text Analysis with the Language Service
- Fundamentals of question answering with the Language Service
- Fundamentals of conversational language understanding
- Fundamentals of Azure AI Speech

Module 4: Microsoft Azure AI Fundamentals: Document Intelligence and Knowledge Mining

- Fundamentals of Azure AI Document Intelligence
- Fundamentals of Knowledge Mining and Azure AI Search

Module 5: Microsoft Azure AI Fundamentals: Generative AI

- Understand how large language models form the foundation of generative AI
- Describe how Azure OpenAI Service provides access to the latest generative AI technology
- Understand how generative AI applications, such as copilots, support efficiencies
- Describe how prompts and responses can be fine-tuned

Describe how Microsoft's responsible AI principles drive ethical AI advancements

Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

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