KOENIG SOLUTIONS · COURSE OUTLINE

AI-901T00-A: Introduction to AI in Azure

Learn to identify Azure AI services and apply generative AI, language, speech, vision and information extraction concepts.

1 Day	12	41
DURATION	MODULES	TOPICS

COURSE OVERVIEW

This course introduces fundamental concepts related to artificial intelligence (AI) and the Microsoft Azure services that can be used to create AI solutions. It blends AI concepts with technology skills that are foundational for a career in implementing AI solutions on Azure. The course is designed for aspiring technology professionals at the beginning of their AI journey. While it does not aim to make students professional data scientists or developers, it builds awareness of common AI workloads and the ability to identify Azure services that support them.

WHO THIS COURSE IS FOR

Audience Profile:

Beginner-level AI Engineers, Developers, and Students

Useful for those with basic knowledge of Python coding syntax and programming techniques

LEARNING OBJECTIVES

By the end of this course, learners will be able to:

- Describe AI workloads and considerations
- Identify Azure services for common AI workloads
- Describe fundamental principles of machine learning (ML)
- Describe features of computer vision workloads
- Describe features of natural language processing (NLP) workloads
- Describe features of conversational AI workloads

COURSE SYLLABUS

12 Modules, 41 Topics

01

Introduction to AI Concepts

TOPICS

Generative AI and agents · Text and natural language · Speech · Computer vision · Information extraction · Responsible AI

02

Introduction to Generative AI and Agents

TOPICS

Large language models (LLMs) · Prompts · AI agents

03

Introduction to Natural Language Processing Concepts

TOPICS

Tokenization · Statistical text analysis · Semantic language models

04

Introduction to AI Speech Concepts

TOPICS

Speech-enabled solutions · Speech recognition · Speech synthesis

05

Introduction to Computer Vision Concepts

TOPICS

Computer vision tasks and techniques · Images and image processing · Convolutional neural networks · Vision transformers and multimodal models · Image generation

06

Introduction to AI-Powered Information Extraction Concepts

TOPICS

Overview of information extraction · Optical character recognition (OCR) · Field extraction and mapping

07

Get Started with AI in Azure

TOPICS

Understand Azure · Developing AI apps on Azure · Microsoft Foundry for AI · Using Microsoft Foundry endpoints

08

Get Started with Generative AI and Agents in Azure

TOPICS

Generative AI models · Using a generative AI model · Creating an agent

09

Get Started with Text Analysis in Azure

TOPICS

Azure Language · Azure Language SDK · Azure Language MCP

10

Get Started with Speech in Azure

TOPICS

Speech recognition · Speech synthesis · Creating a speech-capable agent

11

Get Started with Computer Vision in Azure

TOPICS

Multimodal models for image analysis · Image generation models · Video generation models

12

Get Started with AI-Powered Information Extraction in Azure

TOPICS

Extract information from documents · Extract information from audio and video

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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Learn the Way That Suits You

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