

KOENIG SOLUTIONS • COURSE OUTLINE

Artificial Intelligence Basics

Learn to apply core AI concepts and Azure AI services across computer vision, language, document intelligence and generative AI.

12 Hours

DURATION

6

MODULES

20

TOPICS

14

HANDS-ON EXERCISES

COURSE OVERVIEW

This course is an introductory program that provides learners with a foundational understanding of artificial intelligence (AI) concepts and associated Microsoft Azure services. This comprehensive course is designed to guide students through the basics of AI, machine learning, Computer Vision, Natural Language Processing, Conversational AI, and more, with a strong emphasis on practical exercises using Azure's AI tools. Learners will gain knowledge on the fundamentals of artificial intelligence, including how AI is integrated within Azure and the importance of Responsible AI practices.

WHO THIS COURSE IS FOR

IT professionals interested in AI technologies

Data Analysts seeking to understand AI applications

Software Developers looking to integrate AI into their solutions

Cloud Solution Architects exploring Azure AI capabilities

Data Scientists beginning with Azure AI tools and services

AI hobbyists and enthusiasts aiming to formalize their knowledge

Technical Managers overseeing AI-driven projects

Students studying computer science or related fields

Non-technical roles seeking to comprehend the impact of AI in their industry (e.g., Business Analysts, Project Managers)

Professionals working in industries where AI is increasingly relevant, such as healthcare, finance, and retail

Educators and trainers preparing to teach AI fundamentals

What You Will Learn

- Explain fundamental AI and machine learning concepts
- Describe Azure AI services and their business applications
- Apply Computer Vision features such as facial recognition and OCR
- Analyse text and build conversational language understanding models
- Implement question answering solutions with the Language Service
- Configure document extraction with Azure AI Document Intelligence
- Explore knowledge mining using Azure AI Search
- Build a chatbot on organisation data with Copilot Studio

COURSE SYLLABUS

6 Modules, 20 Topics

01

2 Exercises

AI Overview

TOPICS

Fundamental AI Concepts · Fundamentals of machine learning · Fundamentals of Azure AI services · AI in various industries · AI in Business processes

02

3 Exercises

Computer Vision

TOPICS

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

03

4 Exercises

Natural Language Processing

TOPICS

- 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

04

2 Exercises

Document Intelligence and Knowledge Mining

TOPICS

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

05

3 Exercises

Generative AI

TOPICS

Fundamentals of Generative AI · Fundamentals of Azure Open AI Service · Fundamentals of Responsible Generative AI

06

Build a Chatbot on Organization Data Using Copilot Studio

TOPICS

Introduction to Copilot Studio · Different types of Data connectors · Build a Simple Chatbot

HANDS-ON EXERCISES

Practise What You Learn

#	MODULE	ACTIVITY
01	AI Overview	- Explore Automated Machine Learning in Azure Machine Learning - Explore Azure AI Services
02	Computer Vision	- Analyze images in Vision Studio - Detect faces in Vision Studio - Read text in Vision Studio
03	Natural Language Processing	- Analyze text with Language Studio - Use question answering with Language Studio - Use Conversational Language Understanding with Language Studio - Explore Speech Studio
04	Document Intelligence and Knowledge Mining	- Extract from data in Document Intelligence Studio - Explore an Azure AI Search index (UI)
05	Generative AI	- Explore generative AI with Bing Copilot - Explore Azure Open AI Service - Explore content filters in Azure Open AI

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.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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