

Building AI Solutions with Microsoft Azure

COURSE OVERVIEW

This course introduces participants to the tools and services available in Microsoft Azure for developing and deploying AI-powered applications. It covers how to create, train, and manage AI models, automate workflows, and integrate intelligent features such as vision, speech, and language understanding into scalable cloud solutions. Participants will gain hands-on experience with Azure AI services, including Azure Machine Learning, Cognitive Services, and Bot Framework.

WHO SHOULD ATTEND?

This course is ideal for software developers, AI engineers, data scientists, cloud architects, and IT professionals interested in building and deploying AI applications on Azure. Technical managers and solution architects seeking to integrate AI capabilities into enterprise systems using Microsoft's cloud ecosystem will also find the course to be useful in their pursuit. Prior experience with Python and cloud computing is recommended.

COURSE OUTCOMES

Delegates will gain the knowledge and skills to:

- Navigate Microsoft Azure AI services and tools.
- Build, train, and deploy machine learning models using Azure Machine Learning.
- Integrate Azure Cognitive Services (vision, speech, language) into applications.
- Use Azure Bot Services to create intelligent chatbots.
- Automate AI workflows with pipelines and endpoints.
- Monitor, scale, and manage AI models in production environments.
- Apply ethical AI principles using Azure responsible AI tools.
- Develop and deploy AI solutions that align with business needs.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Overview of the Azure AI platform and its core service offerings.
- How to create machine learning models using Azure Machine Learning Studio.
- Application of Cognitive Services across vision, speech, and language tasks.
- Building and deploying intelligent chatbots with Azure Bot Framework.
- Automating AI workflows with Azure ML pipelines.
- Techniques for model evaluation, versioning, and deployment.
- Best practices for scalable, monitored, and governed AI solutions on Azure.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded