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;

- An overview of Azure AI platform and service offerings.
- Creating ML models with Azure Machine Learning Studio.
- Using Cognitive Services for vision, speech, and language tasks.
- Building and deploying intelligent bots with Azure Bot Framework.
- Automating workflows with Azure ML pipelines.
- Model evaluation, versioning, and deployment.
- Real-world projects and labs for cloud-based AI.
- Best practices for scalability, monitoring, and governance.
- Responsible AI tools and ethical considerations.
- End-to-end AI solution development in 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