In this course you will learn how to apply the knowledge of data science and machine learning to implement and run machine learning workloads on Azure; in particular, using Azure Machine Learning Service. This entails planning and creating a suitable working environment for data science workloads on Azure, running data experiments and training predictive models, managing and optimizing models, and deploying machine learning models into production. This course will also prepare you to successfully pass the Azure Data Scientist Associate certification exam.

Learning Outcomes
- You will learn how to set up an Azure Machine Learning workspace
- Run experiments and train models
- Optimize and manage models
- Deploy and consume models

Course Outline

Exercise – Getting Started with Azure Machine Learning
- Introduction
- Azure Machine Learning workspaces
- Azure Machine Learning environments
- Exercise – Getting Started with Azure Machine Learning

Training a Machine Learning model with Azure Machine Learning
- Introduction
- Azure Machine Learning estimators
- Use default parameters
- Use default parameters
- Use default parameters
- Exercise – Work with data

Working with Compute Contexts in Azure Machine Learning
- Introduction to environments
- Use compute targets
- Exercise – Use compute targets

Orchestrating machine learning with pipelines
- Introduction
- Introduction to pipelines
- Pass data between pipeline steps
- Use pre-pipeline steps
- Use pipelines
- Exercise – Use pipelines

Deploying Machine Learning models with Azure Machine Learning
- Introduction
- Deploy a model as a real-time service
- Schedule pipelines
- Exercise – Deploy a model as a real-time service

Why us?
- Award-winning and biggest AI learning platform in Africa
- World-class and experienced tutors
- Excellent Project and Consulting support
- Biggest AI talent sourcing platform
- MicroSoft Azure Data Scientist Associate (Certification Preparation Training)