

**START YOUR
AZURE AI 900
CAREER TODAY!!**

CREDO SYSTEMZ

**Azure AI Fundamentals
Program**

Capstone Projects :

Real Time Business Scenario using
Azure AI Fundamentals



Image Classification with Azure Custom Vision

Train a model to recognize and classify images using Azure Custom Vision service.



Sentiment Analysis with Text Analytics API

Analyze customer reviews or feedback to detect sentiment using Azure Cognitive Services.



Build a Chatbot with Azure Bot Service

Create a simple Q&A chatbot using Azure Bot Framework and integrate it with Azure QnA Maker or Azure AI Search.



Language Translation using Translator Text API

Translate text between languages using Azure Cognitive Services' Translator API.



Speech-to-Text Transcription App

Convert spoken audio files into readable text using Azure Speech-to-Text service.



Form Recognition with Azure Form Recognizer

Extract structured data from invoices or receipts using AI-powered OCR with Form Recognizer.



AZURE AI FUNDAMENTALS

COURSE SYLLABUS

Duration : 40 hrs

Section 1 : Introduction to Azure AI

- Overview of AI and machine learning
- Introduction to Microsoft Azure AI services
- Setting up Azure environment and tools

Section 2 : Machine Learning with Azure

- Basics of machine learning
- Azure Machine Learning Studio
- Creating and managing machine learning models

Section 3 : Natural Language Processing (NLP)

- Fundamentals of NLP
- Using Azure Text Analytics
- Implementing conversational AI with Azure Bot Services

Section 4 : Computer Vision

- Image analysis with Azure Computer Vision
- Building and deploying image recognition models
- Optical Character Recognition (OCR) with Azure

Section 5 : Speech Services

- Introduction to Azure Speech Services
- Speech-to-text and text-to-speech conversion
- Real-time speech translation

Section 6 : Azure Cognitive Services

- Introduction to Azure Speech Services
- Speech-to-text and text-to-speech conversion
- Real-time speech translation

● Section 7 : Data Preparation for AI

- Data preprocessing techniques
- Data storage and retrieval in Azure Data Lake
- Connecting AI models with Azure databases

● Section 8 : AI Solution Deployment

- Deploying AI models using Azure Kubernetes Service (AKS)
- Integration with Azure DevOps
- Monitoring and optimizing deployed AI solutions

● Section 9 : Ethics and Responsible AI

- AI ethics and best practices
- Implementing Responsible AI principles
- Ensuring fairness, transparency, and accountability

● Section 10 : Capstone Project

- Real-world Azure AI project
- End-to-end solution development
- Project review & certification

SKILLS AND TOOLS

Tools Covered

Azure Machine Learning Studio



Azure Cognitive Services



Azure AI Language / Translator



Azure Bot Service



Custom Vision



Face API



Speech Services



Azure Portal

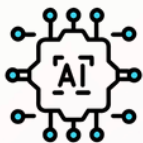


Microsoft Learn Sandbox



Skills Covered

AI Concepts



Machine Learning Basics



Computer Vision



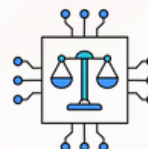
Natural Language Processing (NLP)



Azure AI Services



Responsible AI & Ethics



Earn your AI 900 Course Completion Certificate

Credo Systemz's certificate is highly recognized by
30K Global companies around the world.



WHAT OUR **TRAINEE** SAYS?



Jhanvi

4.7 ★★★★★

The trainer explained cloud concepts clearly with real-life examples, making it easy to understand for beginners. Practice sessions and doubt clearing were really helpful for building a strong foundation.



Nirosha

4.2 ★★★★★

The course was well-structured with hands-on labs for each topic, which improved my practical skills. The trainer's guidance on managing Azure resources and services was excellent.



Karthik M

5.0 ★★★★★

The sessions focused on design patterns, architecture scenarios, and case studies that matched the exam syllabus. The instructor made complex concepts simple with diagrams and live use cases.



Srinivasan

4.9 ★★★★★

The training covered pipelines, CI/CD, and DevOps practices in a very practical way. Tools like Azure DevOps and GitHub Actions were taught with real-time project examples.



Priya

4.0 ★★★★★

Security topics like IAM, Defender for Cloud, and Key Vault were explained with clarity. Lab exercises boosted my confidence to handle security tasks in a real environment.



Renuka Devi

4.5 ★★★★★


Networking concepts like VNets, VPNs, and routing were made easy with step-by-step labs. The trainer's deep knowledge and support throughout the course were very helpful.



CHENNAI


VELACHERY

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OVERSEAS

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