



A 5-DAY FACULTY DEVELOPMENT PROGRAMME

On

Microsoft Azure AI Engineer Associate

Date: 22nd to 26th JULY, 2024

Resource Person: Mr. A.Mallikarjun, Sr.Technical Trainer, Microsoft, Bangalore.

No. of Faculty Participated:- 29

Description of the Programme:

A 5-Day FDP was conducted in association with ICT Academy to upskill and get expertise for faculty members in Microsoft Azure AI Engineer Associate certification. The programme focused on equipping participants with the skills and knowledge to enhance Azure's AI and cloud computing capabilities in their teaching.

DAY-1

The session started with a Welcome note. The Resource person **Mr. A.Mallikarjun, Sr.Technical Trainer, Microsoft, Bangalore** briefed about the importance of Azure teaching in the current situation. He started the Day1 session with an introduction to Azure and cloud computing, including:

Redundancy: LRS, ZRS, GRS

Cloud Storage: Azure Storage Solutions

Roles in Data: Overview of data engineering roles & salaries

Azure Data Engineering: Tools for data integration and analysis

Cloud Services: Comprehensive overview of Azure cloud services. Like Iaas, Paas, Saas

File Formats: Supported data formats

Azure Hierarchy: Resource organization in Azure

Physical Architecture: Insights into Azure's infrastructure and networking with certifications AZ-104, AZ-400.

Repositories & Security: GitHub & Azure Devops, Data Security with certification AZ-500

DAY-2

The second day focused on Azure AI, including:

Azure AI Services Overview: Introduction to Azure Machine Learning, Cognitive Services, and Bot Services.

Hands-On Experience: Creation of Outlook Account and Microsoft Certification AI-102.

DAY-3

The third day explored:

Computer Vision: Implementation of image recognition and explained with real world examples.

Natural Language Processing (NLP): Overview on NLP

Hands-On Experience: Computer Vision and NLP.

DAY-4

The fourth day introduced:

Chatbot Services: Creation and deployment of Chatbots using Azure Bot Service.

Decision-Making Services: Overview of Azure Decision Services, including Personalizer, Content Moderator, and Anomaly Detector.

Copilot and Open AI: Overview on Copilot Studio and Dall-E

Hands-On Experience: Creating Chabot's, Copilot and Dall-E.

DAY-5

The 5-Day Faculty Development Programme on Microsoft Azure AI Engineer Associate, morning session started with hands-on experience on Copilot and Dall-E, And discussed pros and cons on Azure Vs Aws. The FDP concluded with a valedictory session chaired by the Principal Dr.S.Kalpana, Special Officer Dr.R.Madhavi, Resource Person Mr. A. Mallikarjun and HOD, Computer Science Dept. Ms.M.Praveena. Students, faculty from our college, and other institutions are gathered. Our Principal Dr.S.Kalpana, and Special Officer Dr.R.Madhavi expressed their gratitude to Mr. A. Mallikarjun for his guidance. Participants shared their views and thanked him for. Mr. Mallikarjun commended everyone for their active participation and enthusiasm. The session ended with the distribution of certificates, celebrating the successful completion of the FDP and leaving everyone excited to put their new knowledge into practice.