

# Certificate Program in **Microsoft Azure**

Class Room & Online







**5000+ Trainees | 20+ Countries**  
**200+ Batches | 500+ Success Stories**

# KEY HIGHLIGHTS



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Training by Real Time Experts



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Material, Case Studies & Assignments



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One-On-One with Industry Mentors



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Dedicated Student Manager



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100% Assured Placement Assistance



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Hands on Training



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Doubt Clarification Sessions



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Limited Strength



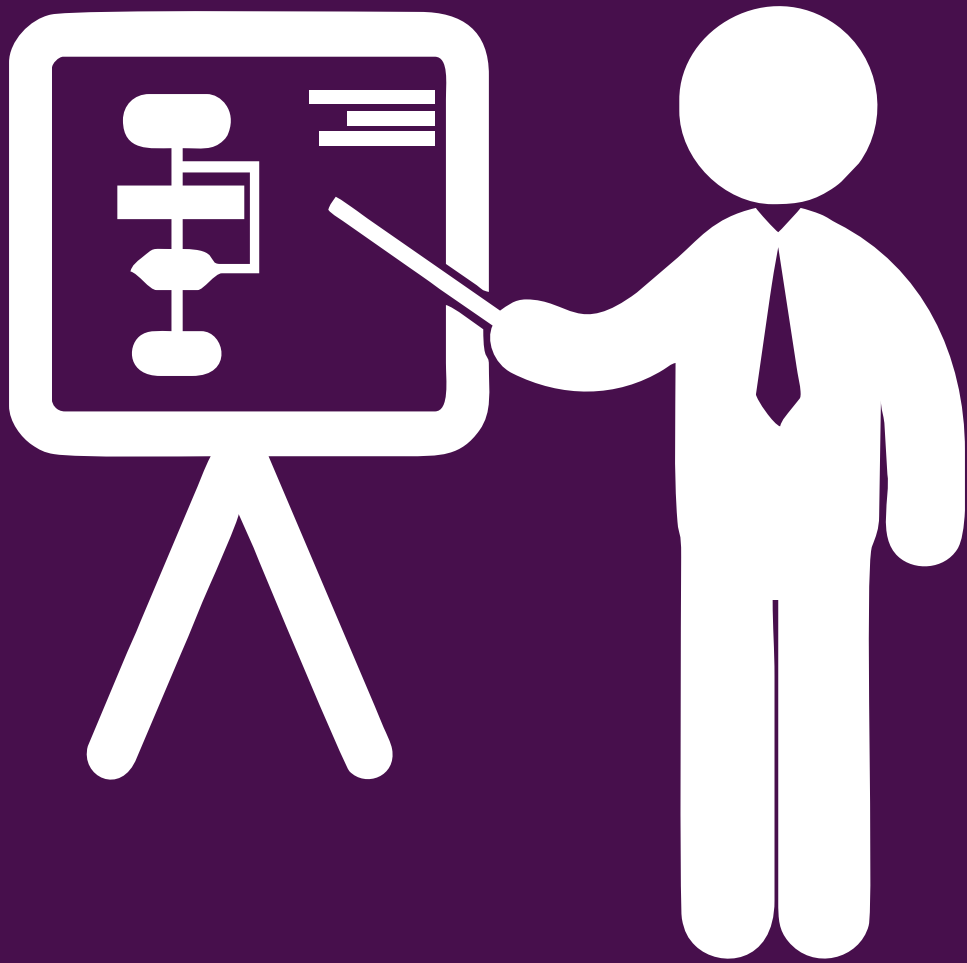
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Resume & Interview Prep Guidance



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Course is curated by subject matter experts in AWS Developer



# Program Curriculum

# Microsoft Azure Fundamentals

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## 1. Cloud Concepts

- a. Introduction
- b. The language of Cloud Computing
- c. The Economy of Cloud Computing
- d. Cloud Service Models
- e. Azure MarketPlace
- f. Cloud Architect Models

## 2. Azure Architecture

- a. Regions and Availability Zones
- b. Resource Groups and ARM
- c. Demo: Creating Azure Resources

## 3. Compute options on Azure

- a. Virtual Machines
- b. Demo: Create a VM
- c. Scale sets
- d. App Services
- e. Azure Container Instances
- f. Azure Kubernetes Service
- g. Azure Virtual Desktop
- h. Azure Functions
- i. Demo: Azure App Services

## 4. Azure Networking

- a. Virtual Network
- b. Demo: Create a Virtual Network
- c. Load Balancer
- d. VPN Gateway
- e. Application Gateway
- f. Content Delivery Network
- g. ExpressRoute

## **5. Storage options in Azure**

- a. Blob
- b. Disk
- c. File
- d. Archive
- e. Demo: Create a Storage account

## **6. Database options in Azure**

- a. Cosmos DB
- b. Azure SQL
- c. Azure Database for MySQL
- d. Azure Database for PostgreSQL
- e. Database Migration Services

## **7. Azure - Authentication and Authorization**

- a. Identity Services
- b. Azure Active Directory
- c. Multi-Factor Authentication
- d. Single Sign-On

## **8. Other Azure Services and Solutions**

- a. Internet of Things
- b. Big Data
- c. Machine Learning
- d. Serverless
- e. DevOps

## **9. Azure Security**

- a. Defence in Depth
- b. Securing Network Connectivity
- c. Public and Private Endpoints
- d. Microsoft Defender for Cloud
- e. Key Vault
- f. Azure Information Protection
- g. Microsoft Defender for Identity
- h. Azure Sentinel
- i. Azure Dedicated Hosts
- j. Demo: Azure Key Vault


## **10. Azure - Privacy, Compliance and Trust**

- a. Governance
- b. Azure Monitor
- c. Monitoring Tools
- d. Azure Service Health
- e. Azure Arc

## **11. Azure Pricing**

- a. Subscriptions
- b. Cost Management
- c. Pricing Factor
- d. Demo: Using the pricing Calculator

## **12. Azure Support**

- a. Plans
  - b. Tickets
  - c. Channels
  - d. SLAs
  - e. Service Life Cycle
- 

# Azure Admin

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## 1. Cloud Concepts

- a. Introduction
- b. The language of Cloud Computing
- c. The Economy of Cloud Computing
- d. Cloud Service Models
- e. Azure MarketPlace
- f. Cloud Architect Models

## 2. Azure Architecture

- a. Regions and Availability Zones
- b. Resource Groups and ARM
- c. Demo: Creating Azure Resources
- d. Azure Resource Manager
- e. Azure Portal and Azure Cloud Shell
- f. Azure CLI and Powershell
- g. Using ARM Templates

## 3. Azure Networking

- a. Virtual Network
- b. Demo: Create a Virtual Network
- c. Load Balancer
- d. VPN Gateway
- e. Application Gateway
- f. Content Delivery Network
- g. ExpressRoute
- h. NSGs
- i. Azure DNS
- j. Azure Firewall
- k. Service Endpoints and Private EndPoints
- l. Intersite Connectivity
- m. Vnet Peering




## 4. Azure Storage

- a. Storage Accounts
- b. Blob
- c. Disk
- d. File
- e. Archive
- f. Blob Object Replication
- g. Blob Life Cycle Management
- h. Azure File Sync

## 5. Azure Compute Options

- a. Virtual Machines
- b. Demo: Create a VM
- c. Scale sets
- d. App Services
- e. Azure Container Instances
- f. Azure Kubernetes Service
- g. Azure Virtual Desktop
- h. Azure Functions
- i. Demo: Azure App Services

## 6. Identity and RBAC

- a. Azure Active Directory
  - b. Users, Tenants, Groups
  - c. Multi-Factor Authentication
  - d. Single Sign-On
  - e. SSPR
  - f. AD Device Management
  - g. Roles in Azure
  - h. Assigning Access to Resources
  - i. Custom Roles
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## 7. Monitoring

- a. Azure Monitor
- b. Setting up Alerts and Actions
- c. Azure Monitor Logs
- d. Monitor Insights
- e. Application Insights
- f. Network Watcher

## 8. Backup and Recovery

- a. Disaster Recovery
- b. Azure Backup
- c. Azure Site Recovery
- d. Backup Reports

## 9. Database options in Azure

- a. Cosmos DB
- b. Azure SQL
- c. Azure Database for MySQL
- d. Azure Database for PostgreSQL
- e. Database Migration Services

## 10. Azure Security

- a. Defence in Depth
- b. Securing Network Connectivity
- c. Public and Private Endpoints
- d. Microsoft Defender for Cloud
- e. Key Vault
- f. Azure Information Protection
- g. Microsoft Defender for Identity
- h. Azure Sentinel
- i. Azure Dedicated Hosts
- j. Demo: Azure Key Vault


## **11. Azure - Privacy, Compliance and Trust**

- a. Governance
- b. Azure Monitor
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## **12. Azure Pricing**

- a. Subscriptions
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- d. Demo: Using the pricing Calculator

## **13. Azure Support**

- a. Plans
  - b. Tickets
  - c. Channels
  - d. SLAs
  - e. Service Life Cycle
- 

# Azure DevOps

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## 1. Introduction

- a. What is DevOps
- b. A brief history about DevOps
- c. Goals of DevOps
- d. DevOps Vs Traditional Silos

## 2. DevOps Concepts and Practices

- a. Build Automation
- b. Continuous Integration
- c. Continuous Delivery and Continuous Deployment
- d. Infrastructure as a Code
- e. Configuration Management
- f. Orchestration
- g. Monitoring
- h. Microservices

## 3. DevOps Tools

- a. Tools for Build Automation and Continuous Integration
- b. Tools for Continuous Integration
- c. Tools for Virtualization and Containerization
- d. Tools for Monitoring
- e. Tools for Orchestration

## 4. DevOps and the Cloud

- a. DevOps and GCP
- b. DevOps and AWS
- c. DevOps and Azure

## 5. Continuous Planning

- a. Introduction to Agile
- b. Various agile practices with Azure DevOps
- c. Azure Project Wiki

## **6. Continuous Versioning with Azure Repos**

- a. Source Control
- b. Exploring Azure Repos
- c. Configuring branches
- d. Branching Strategies
- e. Pull Request Workflow
- f. Using Git tags to Organise a repository
- g. Exploring Repository Permissions

## **7. Continuous Build with Azure Pipelines**

- a. Azure Pipelines
- b. Understanding Build Agents
- c. Self Hosted Build Agents vs Microsoft hosted Agents
- d. Agent Pools
- e. Parallel Jobs
- f. Classic Vs YAML pipelines
- g. Pipeline as a Code (YAML)
- h. Agent Demands
- i. Multi Agent Builds

## **8. Continuous Integration with Azure Pipelines**

- a. Create a Release Pipeline
- b. Setting up Stages
- c. Build and Release Tasks
- d. Release approvals

## **9. Continuous code analysis**

- a. Static Code Analysis
- b. Dynamic code Analysis

## **10. Deployment Strategies and Miscellaneous topics**

- a. Deployment Patterns
- b. Microservices vs Monolithic
- c. Blue-Green deployment
- d. Canary Releases and dark launching
- e. A/B testing



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\*Terms and conditions apply

# PROGRAM FEE

## MICROSOFT AZURE

Duration  
2 Months

**Rs. 35,000/-**

### Key Highlights :

- 100% placement assistance
- Learning modes include Classroom, Online
- Material, Case Studies & Assignments
- One-on-One with industry mentors
- Dedicated student manager
- Hands on training
- Resume & interview preparation guidance
- Course is curated by subject matter experts in microsoft azure
- Learning using world class learning management system
- Dedicated placement manager for interview process
- Connect and network with alumni ,working with different organizations
- Unique job portal to access jobs and internships posted by HR's from various companies

### Terms & Conditions:

- \* Fee once paid is non-refundable
- \* Avail EMI facility from top financial institutions
- \* Accommodation charges for hostel will depend on the hostel representatives

# FAQ'S

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## DURATION

2 Months

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## ELIGIBILITY

Bachelor's degree (10+2+3/4) or equivalent qualification in any discipline from a recognized University with a minimum 55% score.

OR

Students who have appeared for their final year degree examination can also apply, however, their admission will be provisional and will be confirmed only after producing the results.

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## CERTIFICATIONS

Certification from **Digital Nest**

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## LAPTOP CONFIGURATION

OS: Windows X, I5 7th generation Processor, Ram: 4GB, HDD: 1 TB

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## ROLES

Operational Support Engineer, Cloud Software Engineer, System Integrator - Cloud, Cloud Developer, Azure Administer, Azure Architector, VM Engineer.

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## PACKAGES

3.3-8.2 Lakh p.a.

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## PRE REQUISITE

There are no pre-requisites to learn Cloud Computing

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## WHO CAN LEARN

Any Graduate

Ready to get  
incubated in

# Microsoft Azure

# Lets Start

Reach Us:

📍 1st Floor, SNR Towers,  
Beside BVRIT  
City Center bus stop,  
**PANJAGUTTA**, Hyderabad.

📍 2nd Floor,  
Above Karnataka Bank,  
Silicon Valley Road,  
**HITECH-CITY**, Hyderabad.

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