

Microsoft Azure / Cloud Computing Training

Course Duration & Pricing

Duration	Price (INR)	Key Features
1 Month	₹5,000	Fundamentals + 1 Project
2 Months	₹9,000	Advanced Concepts + 2 Projects
3 Months	₹13,000	Complete Mastery + Certification Prep + 3 Projects

Target Audience

- B.Tech/M.Tech students looking to build cloud expertise
 - Job seekers targeting Cloud Engineer or DevOps roles
 - IT professionals transitioning from on-prem to cloud
 - Candidates preparing for **Microsoft certifications** (AZ-900, AZ-104)
 - Developers who want to deploy & scale apps in real environments
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Why Choose Us?

- Practical, hands-on training on **Azure Portal & CLI**
- Coverage of core and advanced services: VMs, Functions, Blob, ARM
- Step-by-step **certification roadmap guidance**
- Real-time use cases & deployment walkthroughs
- GitHub-hosted projects with documentation

- Certificate of Completion + Job Interview Preparation



Month 1: Azure Fundamentals + One Mini Project

Objective: Build a strong foundation in core Azure services and deploy your first cloud project.



Week 1: Introduction to Cloud & Azure Ecosystem

- What is Cloud Computing? (IaaS, PaaS, SaaS)
- Azure vs AWS vs GCP
- Azure Free Tier + Subscription Setup
- Azure Portal overview & navigation



Week 2: Azure Resource Management

- Resource Groups, Subscriptions, Regions, Availability Zones
- ARM (Azure Resource Manager) basics
- Tags, Cost Estimations, Azure Pricing Calculator



Week 3: Azure Compute Services

- Virtual Machines (Windows & Linux)
- VM sizes, images, scaling, auto-shutdown
- SSH/RDP access, managing VM disks



Week 4: Networking & Storage

- Azure Virtual Network (VNet), Subnets, NSGs
- Azure Public IP, DNS, and Load Balancer basics
- Azure Blob Storage, File Storage, Disk Storage types
- Azure Storage Explorer & Access Keys

✓ **Project 1:** Deploy a static frontend website using Azure Blob Storage + custom domain + HTTPS

Month 2: Core Azure Services + DevOps + Two Projects

Objective: Dive into deployment, database services, and automation using Azure tools.

Week 5: App Services & Deployment

- Azure App Service for Node.js/React/Django apps
- Web App configuration, slot management
- Manual & GitHub-based deployments

Week 6: Azure Databases

- Azure SQL: Create DB, tables, and connect from apps
- Cosmos DB (NoSQL): Create containers, partitioning
- Data Migration Assistant for local to cloud DB

Week 7: Serverless & Logic Building

- Azure Functions (HTTP Trigger, Timer Trigger)
- Logic Apps: Send emails, approval flows, API integration
- API Management: Publish, secure, and monitor APIs

Week 8: Azure DevOps & CI/CD Pipelines

- Intro to Azure DevOps & Git Repos
- Build pipelines (YAML/Classic) + Deploy pipelines
- Environment setup: Staging vs Production

- ✓ **Project 2:** Deploy a React frontend + Node.js API + Azure SQL DB
 - ✓ **Project 3:** Logic App for automated email on form submission (low-code workflow)
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Month 3: Advanced Azure + Certification + Final Project

Objective: Master infrastructure as code, security, and prepare for certification (AZ-900/AZ-104)

Week 9: Infrastructure as Code

- ARM Templates & Azure Bicep Syntax
- Deploy resources from templates
- Intro to Terraform: Setup, Providers, Variables

Week 10: Identity & Security

- Azure Active Directory overview
- RBAC: Role Assignments and Policies
- Key Vault: Secure credentials & secrets in apps

Week 11: Monitoring & Optimization

- Azure Monitor, Metrics, Alerts
- Diagnostic Logs, Application Insights
- Cost Management + Budget Alerts
- Performance tuning tips

Week 12: Certification & Final Project

- AZ-900 + AZ-104 key topics and tips
- Mock Tests + Doubt-clearing sessions
- GitHub setup: Documentation, README, deployment steps

- Final Review + Resume Enhancement Session

✅ **Final Project:** Full-stack app deployment with CI/CD pipeline, database integration, and monitoring on Azure.

Project Categories

- Host React App on Azure Static Web Apps
- Deploy Node.js API with Azure App Service + MongoDB Atlas
- Create a Chat App using Azure Functions + SignalR
- Azure SQL + API-based Employee Management System
- Serverless Invoice Generator using Logic Apps
- Final Resume + Portfolio hosted on Azure