

## Cloud Computing

**Duration – 16 Hours**

### Program Description

This program introduces the concepts, services, and deployment models of cloud computing. Participants will gain hands-on experience with leading cloud platforms, learn about cloud architecture, virtualization, storage, networking, and security, and understand how to design, deploy, and manage scalable cloud solutions.

### Learning Goals

- Understand the fundamentals and evolution of cloud computing
- Learn cloud service models: IaaS, PaaS, SaaS
- Gain practical experience with leading cloud platforms (AWS, Azure, or GCP)
- Understand virtualization, storage, networking, and security in the cloud
- Learn cloud deployment, migration, and scaling strategies
- Apply best practices for cloud cost optimization and governance
- Build hands-on experience through real-world cloud projects

### Course Topics

- Introduction to Cloud Computing
- Cloud Service Models: IaaS, PaaS, SaaS
- Cloud Deployment Models: Public, Private, Hybrid
- Virtualization and Cloud Infrastructure
- Cloud Storage and Databases
- Networking and Security in the Cloud
- Cloud Migration and Deployment Strategies
- Monitoring, Scaling, and Cost Optimization
- Hands-on Projects and Case Studies

Modules can be customized to suit client's specific needs and duration accordingly