



**Arfa Karim**  
Technology Incubator

# Cloud Computing

Duration: 3 Months



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## Modules

- Understanding Cloud Service Models
- Cloud Deployment Models & Their Applications
- Virtualization Essentials for Cloud Computing
- Cloud Storage Solutions & Data Management
- Security & Compliance in the Cloud
- Networking in the Cloud Environment
- Cloud Resource Management & Monitoring
- Cost Optimization in Cloud Computing
- Cloud Migration Strategies & Best Practices
- Developing Applications for the Cloud
- Emerging Technologies & Trends in Cloud Computing

## Outcomes

- Understand the fundamental concepts & terminology of cloud computing
- Differentiate between various cloud service models & deployment options
- Implement virtualization techniques for resource optimization in cloud environments
- Design & deploy basic cloud networking configurations
- Manage cloud resources efficiently, optimizing for cost & performance

## Audience

- IT Professionals
- Software Developers
- Application Architects
- Business Analysts
- Project Managers
- College Students and Graduates

## Eligibility Criteria

- Student should have knowledge of basic coding & term names