



AWS Cloud Computing Course Syllabus

Introduction to AWS and Cloud Computing

- Overview of AWS and its global infrastructure
- Key concepts of cloud computing and its benefits
- Understanding AWS Free Tier and account setup

AWS Identity and Access Management (IAM)

- Managing IAM users, groups, and roles
- Configuring permissions and policies
- Best practices for security and access control

Amazon Simple Storage Service (S3)

- Creating and managing S3 buckets
- Configuring object versioning and lifecycle policies
- Using S3 for static website hosting and data archiving
- Amazon Elastic Compute Cloud (EC2)
- Launching and managing EC2 instances
- Creating Amazon Machine Images (AMIs) Auto Scaling and Elastic Load Balancing

Amazon Virtual Private Cloud (VPC)

- Configuring VPC networking components
- Subnetting, routing, and Internet Gateway
- VPC peering and VPN connections
- Database Services: Amazon RDS and DynamoDB
- Setting up and managing Amazon RDS instances
- Working with DynamoDB NoSQL databases
- Backup, restore, and scaling strategies

Final Course Outcomes

- Hands on experience with real time projects
- Industry Recognized Certificate
- Placement Assistance