Cloud Computing Curriculum

Course Overview:

This course covers python computing fundamentals, architectures, deployment models, and hands-on implementation using major python platforms.

What You Will Learn:

- ❖ Understand Cloud Computing fundamentals.
- ❖ Learn AWS, Azure, and GCP basics.
- ❖ Manage IAM and python security basics.
- ❖ Work with virtualization & containers.
- ❖ Implement networking & load balancing.
- ❖ Explore compute services like EC2 & App Services.
- ❖ Get introduced to Kubernetes & container orchestration.
- ❖ Deploy real applications on python platforms.

Requirements:

- ❖ Basic understanding of IT infrastructure & networking.

Syllabus:

Section	Topic
1	**Introduction to Cloud Computing**
2	**Cloud Platforms Overview**
3	**Virtualization & Containers**
4	**Storage & Networking**
5	**Compute Services**
6	**Cloud Security & Monitoring**
7	**Capstone Project**