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Course Syllabus: Certificate in Cloud Computing

Batch Name: Cloud Computing Basics

Eligibility: 12th

Course Start: 1st of Every Month

Course Duration: 90 Hours

Courses / Modules Paper

Module 1

Paper 1	Paper 2
Introduction to Cloud Computing	Building Cloud Networks and Cloud Security

Paper 1: Introduction to Cloud Computing

Basic Concepts of Cloud Computing

1.1 Meaning of Cloud Computing
1.2 Why do we need Cloud Computing
1.3 Different Types of Cloud Computing Services Available
1.4 Pros & Cons of Cloud Computing

What is Cloud Infrastructure

1.1 Cloud Delivery Models
1.2 Cloud Deployment Models

Cloud Storage Management

1.1 Cloud Storage Systems and their concepts
1.2 Object storage(Ceph, OpenStack, Swift and Amazon S3
1.3 Key Challenges in managing the information
1.4 Identifying the problems of Scale and Management in big data

Cloud Security

2.1 Infrastructure Security
2.2 Data Privacy and Security Issues
2.3 Access Control and Authentication in Cloud Computing

Paper 2: Building Cloud Networks and Cloud Security

Cloud Network

2.1 Installin Open Source Cloud ServiceI
2.2 Amazon Web Service (AWS)
2.3 Google Cloud Platform