

CET Cloud Fundamentals

Course Duration : 24 Hours

Course code : CET-IOTF

1. Course Overview

The CET Cloud Fundamentals course provides a solid foundation in cloud computing concepts, service models, and deployment architectures. This course is designed for beginners and professionals who want to understand how cloud platforms deliver scalable, secure, and cost-effective IT services. Learners gain practical insights into cloud infrastructure, virtualization, security, governance, and real-world cloud adoption scenarios.

2. What you'll learn?

- Core cloud computing concepts and terminology
- Cloud service models (IaaS, PaaS, SaaS)
- Cloud deployment models (public, private, hybrid)
- Virtualization and cloud infrastructure basics
- Cloud security, governance, and compliance fundamentals
- Cloud cost management and use cases

3. Target Audience

- Beginners exploring cloud computing
- IT professionals transitioning to cloud environments
- Developers, system administrators, and analysts
- Business professionals involved in cloud adoption
- Students and graduates pursuing cloud careers

4. Pre-Requisites

- Basic computer and networking knowledge
- No prior cloud or virtualization experience required

5. Course Content (Modules)

Module 1: Introduction to Cloud Computing

- Cloud concepts and evolution
- Benefits and challenges of cloud adoption

Module 2: Cloud Service and Deployment Models

- IaaS, PaaS, and SaaS
- Public, private, hybrid, and multi-cloud models

Module 3: Cloud Infrastructure and Virtualization

- Virtual machines, containers, and storage
- Networking basics in cloud environments

Module 4: Cloud Security and Governance

- Identity and access management
- Shared responsibility model and compliance

Module 5: Cloud Cost Management and Use Cases

- Pricing models and cost optimization basics
- Real-world cloud adoption scenarios