

COURSE DURATION

8 hours

COURSE SYNOPSIS

With the increased awareness and use of cloud computing solutions across the world, there is an increasing interest by PMETs to fully understand what infrastructure is required to deploy a cloud computing solution as well as have an in-depth knowledge of the technical aspects of the set up and the intricacies for deploying the solution in an organization.

COURSE OBJECTIVES

This course will provide learners with the technical understanding of the Cloud Computing architecture as well as the different services associated with Cloud Computing. It also provides learners with the different deployment models that is possible for cloud computing. This course is suitable for professionals, managers, executives, and technicians who are keen to have an in-depth knowledge of the various protocols that is available within the Cloud architecture and the solutions that can be implemented.

TARGET AUDIENCE

Professionals, Managers, Executives, Technicians

ASSUMED SKILLS (MINIMUM ENTRY REQUIREMENT)

- Learners must be able to read, write, speak and listen to English at secondary school level
- Learners to have minimum GCE 'O' level or ITE certificate education
- Learner should have at least 1 year's working experience in any industry
- Learners must be able to operate computers at intermediate level.

INSTRUCTIONAL METHOD

- Interactive presentation and sharing
- Videos
- Group Discussion

COURSE CONTENT

1. What is Cloud Computing

- Define the term Cloud Computing
- Identify the origins of cloud computing.
- Identify Cloud computing's key services: Infrastructure as a Service (IaaS), Platform as a Service (PaaS) and Software as a Service (SaaS)

2. Infrastructure as a Service (IaaS)

- Identify the components of IaaS
- Identify common examples of IaaS solutions.
- Identify the benefits of IaaS
- Identify the limitations of IaaS

3. Platform as a Service (PaaS)

- Identify the components of PaaS.
- Identify common examples of PaaS solutions.
- Identify the benefits of PaaS.
- Identify the limitations of PaaS.

4. Software as a Service (SaaS)

- Identify the components of SaaS.
- Identify common examples of SaaS solutions.
- Identify the benefits of SaaS.
- Identify the limitations of SaaS.

5. Characteristics of Cloud Computing

- Understand how users can access data from a Wide Network.
- The user required to only Pay per Use per their utilization of the service.

- Appreciate the flexibility to scale up or down for the resources needed.
- Understand the concept of resource pooling to optimise the use of resources.

6. Deployment Models

- Identify the features of private cloud models.
- Identify the features of public cloud models.
- Identify the features of community cloud models.
- Identify the features of hybrid cloud models.

7. Adoption

- Identify key challenges to adoption of cloud computing in an organisation.
- Consider appropriate services and models for a given scenario