

## Certified Cloud Computing Engineer

**24 Weeks / 840 Hrs.**

**Medium of Instruction: Monolithic (English)**

### Objective

The Course is 840 Hrs. (24 Weeks Program) aimed at molding candidates to Skilled System/Cloud Engineer with Information Security knowledge to maintain the Systems, Networks and cloud infrastructure in today's scenario. This skill-oriented course provides candidates with information required for configure and administration of OS Server, Cloud Deployment & its Security and equip them with the skills required to protect & recover the computer systems & networks from various security threats in dedicated or cloud environment.

- Graduate in CS/Electronics/IT/CA or B.E./B.Tech(CS/IT/ECE/EEE).

### Eligibility

### Prerequisite

- ✓ Candidate must have latest computer/laptop with preferably 4 GB RAM or higher
- ✓ Internet connection with good speed (*preferably 10Mbps or higher*)

Rs. 45,000/- (Inclusive of 18% GST)

### Course Fees

### Certificate

Certificate will be provided to the participants after the online mode of assessment including theory exams and practical, conducted at the end of the course.

- ✓ Live Lecture with Recording in LMS (e-learning)
- ✓ 24x7 Cloud based Virtual Lab
- ✓ Content Access through e-learning portal
- ✓ More than 70% Practical
- ✓ Assessment and Certification

### Methodology

### Intended Users

This skill-oriented course provides candidates with information required for configure and administration of Linux Server, Virtual instances Deployment & its Security and equip them with the skills required to protect & recover the server systems & networks in dedicated or cloud environment.

**Course Content****Certified Cloud Computing Engineer**

- Introduction to Linux Server.
  - Introduction to Linux Fundamentals & Commands
  - Advanced Linux Commands
- Advance Linux Server
  - Configuring DNS Server
  - Configuring File Server – (NFS,FTP,SAMBA)
  - Configuring Mail Server
  - Configuring Database – (MySQL, PHPMyAdmin)
  - Configuring Web Server with Virtual Hosting
- Virtualization
  - Configuring Virtual Box/VMware/KVM Server/Xen/Hyper-V
  - Deploying Vagrant
  - Setting Linux Container – Docker, Docker Compose
  - Container Orchestration – Docker Swarm
- Cloud Computing
  - Introduction to Cloud Computing
  - Types of Cloud Services – SaaS/PaaS/IaaS
- Cloud Infrastructure
  - Types of Cloud Deployment with Xen/KVM
  - Setting Private Cloud with XenServer/vSphere
  - Deployment with Public Cloud AWS (EC2/S3/VPC)

**Faculty**

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