



Masterclass: **CLOUD COMPUTING**

INTRODUCTION

This Masterclass provides a hands-on comprehensive understanding of cloud concepts and capabilities across the various cloud service models including Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS), and Business Process as a Service (BPaaS). This Masterclass also covers the cloud security model. Through hands-on assignments and projects, students will learn how to configure and programme IaaS services. They will learn how to develop cloud-based software applications in addition to various cloud platforms.

COURSE LEARNING OUTCOMES (CLO)

- Acquire the essential knowledge of cloud computing
- Installation of different cloud simulation tools and cloud setup tools
- Hands-on experience to design and develop cloud applications and explore their performances

WHO CAN ATTEND THIS MASTERCLASS?

This is open to all undergraduate students.

CERTIFICATION

Certificate of Completion in Masterclass Cloud Computing.

COURSE OUTLINE

1. Introduction to Cloud Computing
2. Installation of Kernel-Based Virtual Machine
3. Adopting the Cloud
4. Exploiting Software as a Service
5. Delivering Platform as a Service
6. Deploying Infrastructure as a Service
7. Deploying a Private Cloud

