



# **SNS COLLEGE OF TECHNOLOGY**



**Coimbatore-35**  
**An Autonomous Institution**

Accredited by NBA – AICTE and Accredited by NAAC – UGC with ‘A++’  
Grade Approved by AICTE, New Delhi & Affiliated to Anna University,  
Chennai

## **DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

**19ECT301 – COMMUNICATION NETWORK**

**III B.E. ECE / V SEMESTER**

**UNIT 5**

**TOPIC – CLOUD COMPUTING OVER THE INTERNET**



## WHAT IS CLOUD COMPUTING

- Cloud computing means storing and accessing the data and programs on remote servers that are hosted on the internet instead of the computer's hard drive or local server.
- Cloud computing is also referred to as Internet-based computing, it is a technology where the resource is provided as a service through the Internet to the user.
- The data which is stored can be files, images, documents, or any other storable document.



## OPERATIONS



- Storage, backup, and recovery of data
- Delivery of software on demand
- Development of new applications and services
- Streaming videos and audio



# CLOUD COMPUTING ARCHITECTURE



- Cloud computing architecture refers to the components and sub-components required for cloud computing. These components typically refer to:
  - Front end(fat client, thin client)
  - Back-end platforms(servers, storage)
  - Cloud-based delivery and a network(Internet, Intranet, Intercloud)



## WHY CLOUD COMPUTING



Here are the top reasons why to switch to Cloud Computing instead of owning a database server.

1. Reduces cost
2. More storage
3. Employees using cloud computing have better work-life balance



## CLOUD HOISTING



- There are three layers in cloud computing. Companies use these layers based on the service they provide.
- Infrastructure
- Platform
- Application



## Characteristics of Cloud Computing



- Scalability
- Instant
- Save Money
- Reliability
- Physical Security
- Outsource Management





## Top leading Cloud Computing Companies



- Amazon Web Services(AWS)
- Microsoft Azure Platform
- Google
- IBM Cloud
- Oracle Cloud
- Alibaba Cloud
- Tencent Cloud
- Rackspace
- Salesforce
- VMware Cloud





Thank  
you!