Program: B. Tech

Course Code:BCSE3096

Course Name: Cloud Application Development

SaaS

- **SaaS** model allows to use software applications as a service to end users.

- **SaaS** is a software delivery methodology that provides licensed multi-tenant access to software and its functions remotely as a Web-based service.
- Usually billed based on usage
- Usually multi tenant environment
- Highly scalable architecture

SaaS

- SaaS is a model of software deployment where an application is hosted as a service provided to customers across the Internet.

- Saas alleviates the burden of software maintenance/support
  – but users relinquish control over software versions and requirements.

Characteristics of SaaS

- Easy customization

- Better access

- Multitenant architecture

- Integration

- Operational performance

Characteristics of SaaS

- **Multitenancy:** This is an architecture whereby a single instance of a software app is meant to serve multiple customers.

- **Security and Compliance:** The responsibility of the SaaS application and hardware security solely lies with the application developer. He should ensure that multiple tenants on a shared infrastructure have their data virtually segregated and made accessible to those individuals intended to access it.

Types of SaaS

There are two types of SaaS

1. The Ups of SaaS

- No need to buy the applications, deploy them

- and maintain them

- No need to maintain the equipment and

- infrastructure.

- Lower costs

Types of SaaS

2) **The Downs of SaaS**

• Dependency on the SaaS provider

• Security issues

• Limited applications

SaaS Examples

Advantages

- Lower computer costs Improved performance:

- Reduced software costs Instant software updates

- Improved document format compatibility Unlimited storage capacity

- Increased data reliability

Contd…

- Universal document access
- Latest version availability
- Easier group collaboration
- Device independence

Disadvantages

- Requires a constant Internet connection

- Does not work well with low-speed connections Features might be limited

- Can be slow

- Stored data can be lost

- Stored data might not be secure

Thank You