

## ASSIGNMENT-2

Question 1 Write note on Collaborating on group projects and events. Explain online file storage and sharing services.

⇒ Collaborating on Group Projects and Events :-

It involves the co-ordinating efforts, sharing resources and maintaining effective communication among team members to achieve a common goal. Here are some key aspects and strategies for successful collaboration.

- 1) Clear Communication :- Establish clear communication channels through tools like email, chat applications and video conferencing. Regular meeting and updates ensure everyone is on same page.
- 2) Project Management Tools :- use project management tools to create tasks list, set deadlines and track progress. These tools helps in organizing work and ensuring timely completion of tasks.
- 3) Regular check-in and Feedback :- Schedule regular check-ins to discuss progress address issues and provide feedback. This keeps the team aligned and motivated.
- 4) Celebrating Milestones :- Celebrate achievements and milestones to boost moral and foster a sense of accomplishment among team members.
- 5) Defined Roles and Responsibilities :- Clearly define each team member's role and responsibility to avoid confusion and overlap. Assign task based on individual strengths and expertise.
- 6) Conflict Resolution :- Address conflicts promptly and constructively. Encourages open communication and find mutually acceptable solutions to maintain a positive team dynamic.

⇒ Online File Storage and Sharing System :-

Online file storage and sharing services are essential for modern collaboration, offering secure, accessible and efficient ways to store and share documents and files. Here are some of the popular services and their features.



### a) Google Drive:

- i) Storage: offers 15 GB free storage with options to purchase more.
- ii) Sharing: Allows user to share files and folder with specific individual to generate shareable links.
- iii) Collaboration: Integrated with google docs, sheets and slides for real time collaborative editing.
- iv) Access: Accessible from any device with internet access.

### b) Dropbox:

- i) Storage: provides 2GB of free storage with paid plans available for more space.
- ii) Sharing: Files can be shared via links or by inviting collaboration to shared folders.
- iii) Collaboration: Features like Dropbox Paper facilitate collaborative work.
- iv) Synchronization: Syncs file across multiple devices for easy access and updates.

### c) Box:

- i) Storage: provides 10 GB of free storage with advanced features available in paid plans.
- ii) Sharing: Allows secure sharing with customizable permissions.
- iii) Collaboration: Supports integration with various productivity tools and apps.
- iv) Enterprise features: Features offers advanced security and administrative controls suitable for business.

These services enhance Collaboration by making it easy to share, access and co-edit documents from anywhere thereby increasing productivity and efficiency in group projects and events.

Question 2 Create a virtual Machine using Virtual Box or VM Ware workstation on a windows 10 or 11

⇒ Steps of Creating a virtual Machine using a virtual box:-

1) Download and install virtual box

2) Download the ISO file

3) open virtual box

4) Create a new VM



5) Set Memory Size

6) Create a Virtual Hard Disk

7) Configure VM settings

8) Start the VM.

⇒ Steps to Create a Virtual Machine using VMware Workstation:-

1) Download and Install VMware Workstation

2) Download the ISO file

3) Open VMware Workstation

4) Create a new VM

5) Select the Installation Media

6) Select Guest Operating System

7) Name the Virtual Machine

8) Specify the Disk Capacity

9) Customize Hardware (Optional)

10) Finish Creating the VM

11) Start the VM.

Question 3 Discover a method for initializing a virtual machine using the TryStack (Online OpenStack Demo version)

⇒ Initializing a Virtual Machine using TryStack, an online OpenStack demo environment. Involves several steps. TryStack allows users to explore OpenStack functionalities without setting up their own infrastructure.

⇒ Steps of how we can initiate a VM using TryStack:-

1) Sign up for Try-Stack

2) Login to Try-Stack

3) Access the Try-Stack Dashboard.

4) Select a region

5) Create a new project (if needed)

6) Allocate Quota

7) Launch an Instance

8) Configure the Instance

9) Launch an Instance

10) Access the Instance.

Question 4 Write a short note on OpenNebula deployment model.

⇒ OpenNebula is an open-source cloud computing platform that enables the creation and management of private, public and hybrid clouds. Its deployment model is designed to be flexible, scalable and user friendly, allowing organization to efficiently manage their virtualized data centres and cloud infrastructures. Here are the key aspects of the OpenNebula deployment model:-

1) Infrastructure Management

2) Cloud Models

3) Components

4) Networking

5) Storage

6) User and Role Management

7) Scalability and High availability

8) Ecosystems and Integrations

⇒ OpenNebula deployment model is highly versatile, catering to diverse organizational needs and enabling efficient cloud infrastructure management with robust features for scalability, flexibility and security.