Home Network Topology :-

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1. Internet Connection:- Provided by my Internet Service Provider (ISP), usually through a cable modem or fiber-optic connection.

2. Router:- This device serves as the gateway between my home network and the internet. It provides Wi-Fi connectivity and manages the distribution of internet traffic among connected devices.

3. Devices:- These include my personal computer, smartphone, tablet, smart TV, and other IoT devices like smart speakers or thermostats. They connect to the router either via Wi-Fi or Ethernet cables.

4. Network Attached Storage (NAS):- A dedicated device for storing and accessing files over the network. It provides centralized storage for backups, media files, and other data accessible to all devices on the network.

RPS accessing steps:-

Obtain Access Credentials:-

Obtain access credentials from your institution, such as a username and password, along with any additional authentication methods required.

*Connect to the VPN:-

Launch the VPN client and connect to the institution's network using the provided credentials. This establishes a secure, encrypted connection between your computer and the institution's network infrastructure.

*Authenticate and Access Lab Resources:-

Upon connecting to the lab system, authenticate using your institutional credentials (username and password) or any additional authentication methods required.

Once authenticated, you should gain access to the lab resources, which may include physical devices, virtual machines, servers, software tools, or experimental setups.

*Interact with Lab Environment:-

Depending on the purpose of accessing the lab environment, interact with the resources as required. This may involve running experiments, conducting research, performing simulations, or accessing specialized software tools.

*Securely Disconnect and Logout:-

After completing your tasks in the lab environment, securely disconnect from the remote session and logout from any accounts or services you accessed.