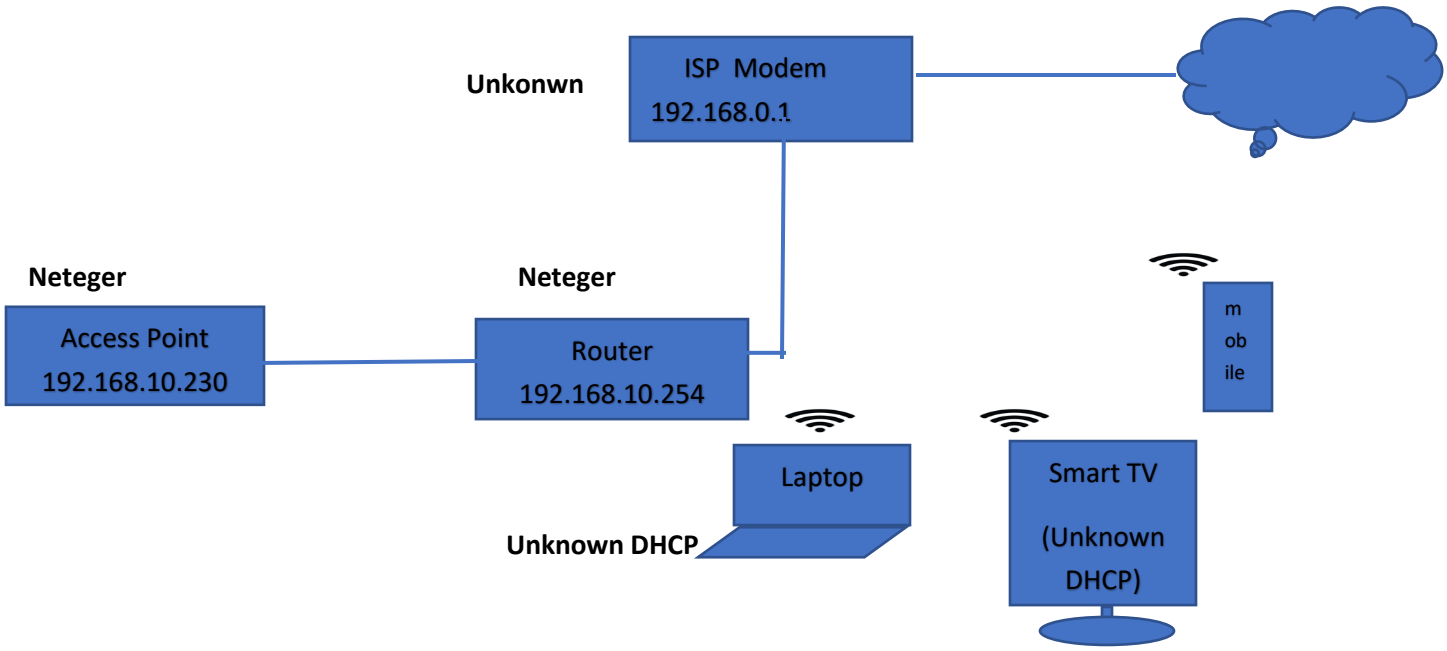
Assignment-1: Draw your Home Network Topology and explain how you are accessing the RPS Lab environment.

Solution :

Wireless Network Diagram:



Where, ISP Stand For Internet Service Provider.

To access the RPS Lab environment from my current location, I am using a secure remote connection protocol such as OpenVPN or SSH to connect to the lab's remote server. This connection is established through the internet, which allows me to access the lab environment as if I were physically present in the lab.

To set up this connection, I first obtained the necessary connection credentials and configuration information from the lab administrators. I then configured the remote connection software on my local device, which involved specifying the remote server's IP address or hostname, selecting the appropriate encryption and authentication protocols, and providing my user credentials.

Once the connection was established, I was able to access the lab environment and perform tasks, run experiments, and access resources as needed. It's important to note that the specific steps and configuration required to set up this connection may vary depending on the lab's specific network architecture and security policies. However, the general process involves obtaining the necessary connection information, configuring the remote connection software, and establishing a secure connection to the lab's remote server.