

NPS LAB EXPERIMENT-6

Implementation of Smart home using Cisco packet tracer and verify the configuration.

Step 1: Open cisco packet tracer and drag and drop the following devices.

Server

PC

Router

Switch

Fan

Lamp

Garage

Speakers

Connect the pc to the switch (F0/3), Server to switch (F0/1)

Switch to the server (f2/1) and connect the router to the switch by the following wire in the picture.

Step 2: Click on each device (e.g., Smart Bulb).

Go to the Config tab.

Step 3: Select the Home Gateway as its network and assign the **SSID** (e.g., HomeNetwork).

Step 4: The devices can either receive an IP address dynamically (via DHCP) from the Home Gateway or you can manually assign static IPs under the **Config > Wireless** section.

