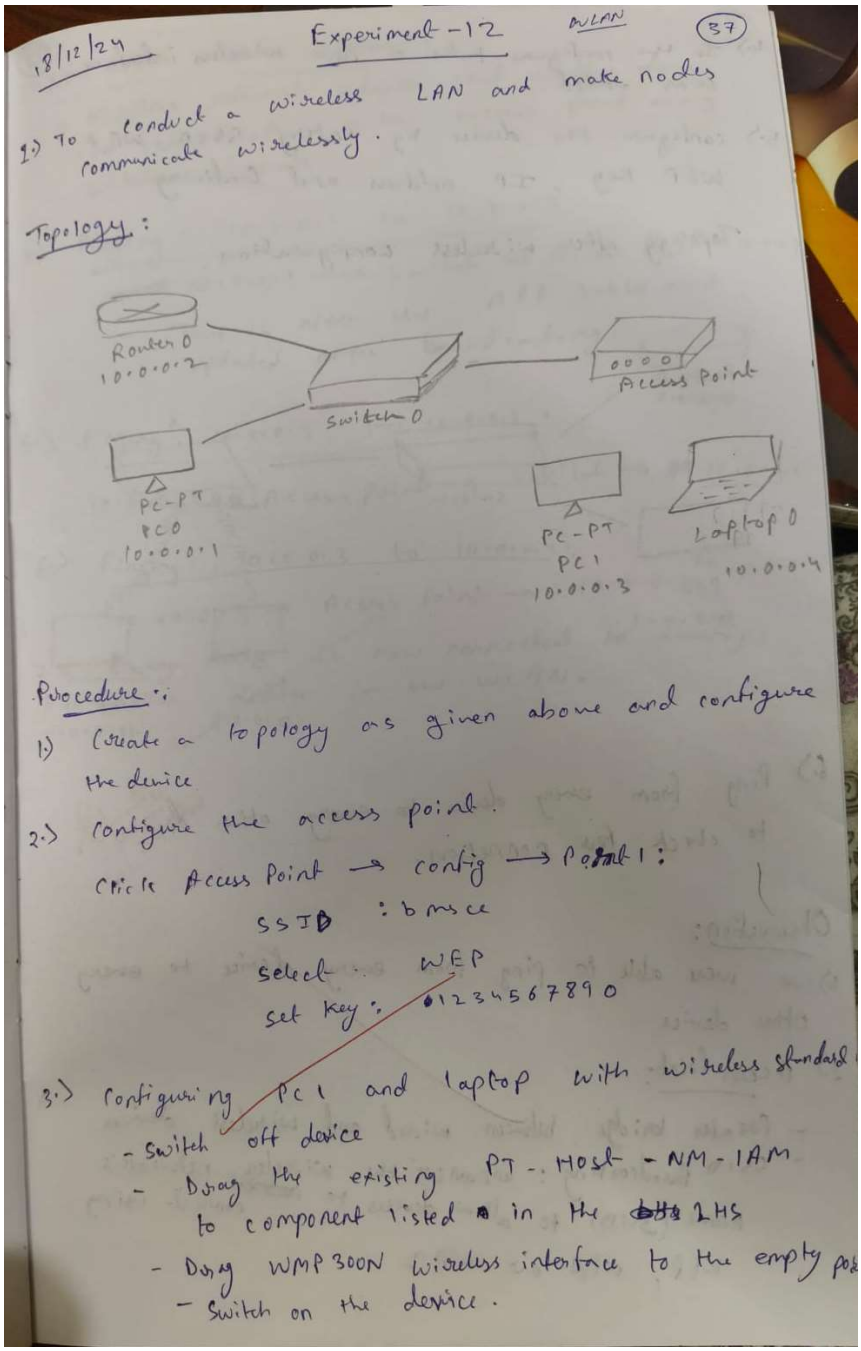
Program 13

Aim: To construct a WLAN and make the nodes communicate wirelessly.

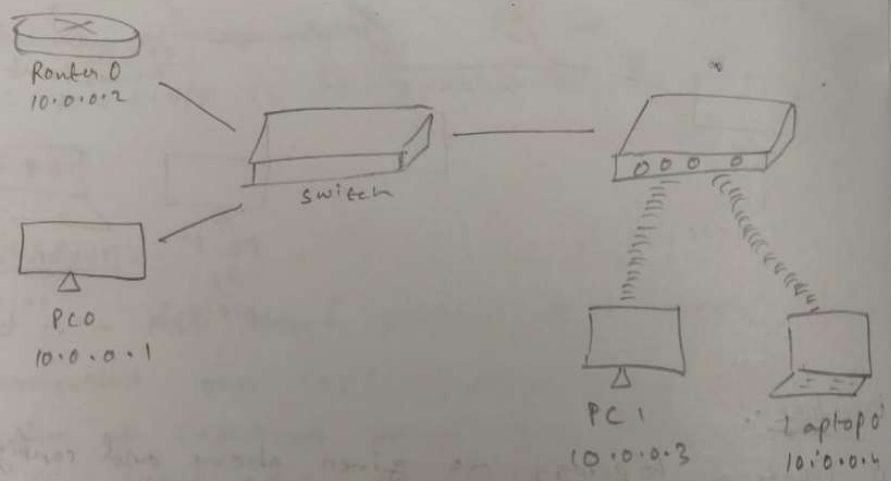
Topology , Procedure and Observation:



4.) In the configure take a new wireless interface was added.

5.) configure the device by entery SSID, WEP, WEP key, IP address and Gateway

Topology after wireless configuration.



6.) Ping from every device to every other device to check for connetion.

Observation:

1.) We were able to ping from every device to every other device

2.) Access Point.

- Creates bridge between wired and wireless devices
- SSID Broadcasting: announces the wireless network's name (SSID) to allow devices to connect using WEP, WPA or WPA2

3) WMP 300N wireless interface :
- Wireless network adapter that enables devices to communicate with access point using wireless signals.

4) Pinging : 10.0.0.1 to 10.0.0.3 :
10.0.0.1 → switch → Access Point → 10.0.0.3
- This is after the ARP tables and updated after broadcasting.

5) Pinging : 10.0.0.3 to 10.0.0.1 :
10.0.0.3 → Access point → switch → 10.0.0.1

6) Pinging : 10.0.0.3 to 10.0.0.4 :
10.0.0.3 → Access point → 10.0.0.4

7) Every device is now connected to every other device in the WLAN.

Thu
23/12/24

Screen Shots: