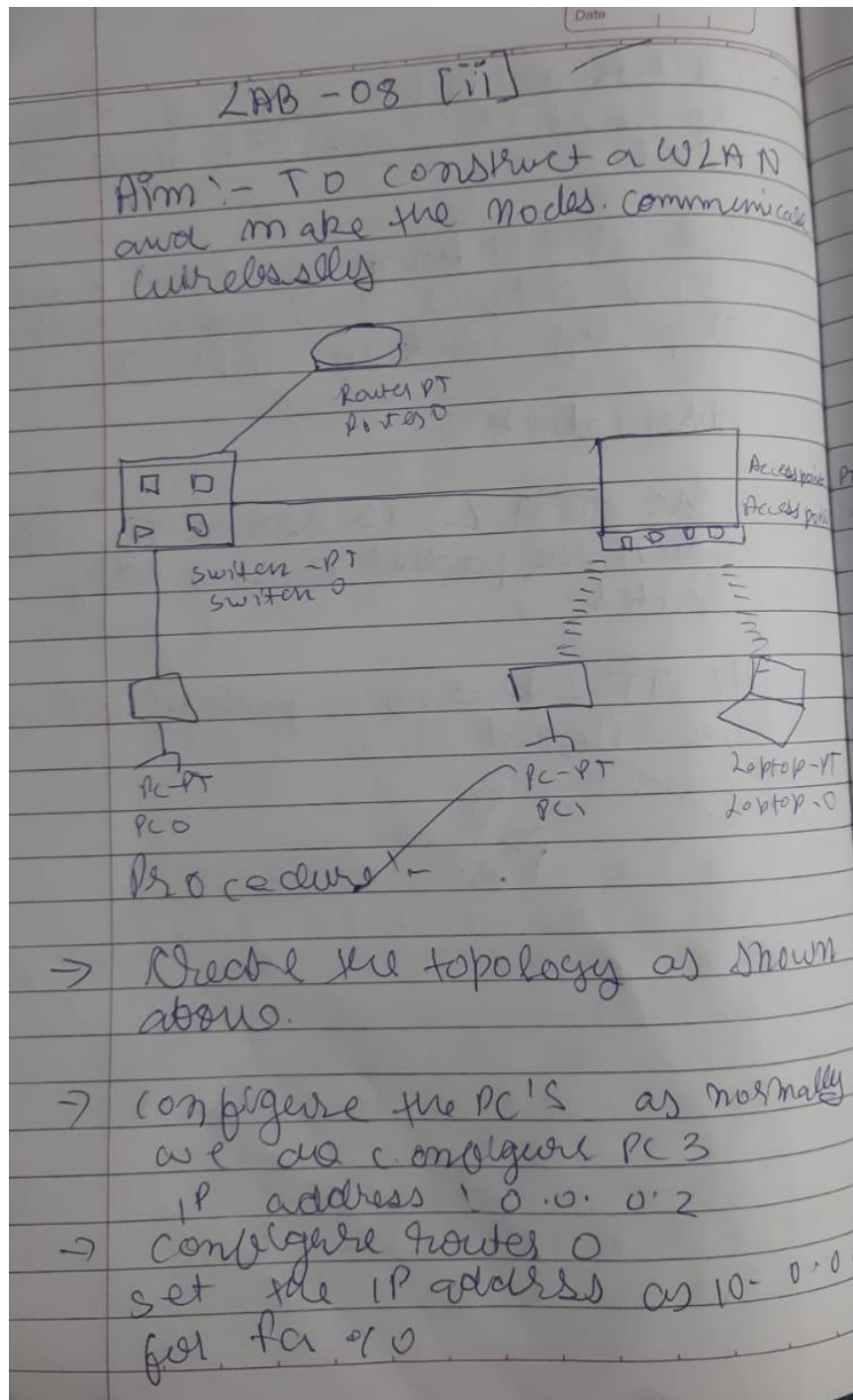# LAB 11

To construct a WLAN and make the nodes communicate wirelessly

OBSERVATION:

→ configure the Access Point - PT in config port 1

→ SSID = WLAN
Select WEP and give any 10 digit number as password
123 4567890

→ To configure PC4 and laptop with wireless standard.
Switch off the device.

→ Drag the existing PT-HOST-NM - 1AM to LHS to place it on its mentioned name

→ Drag the WMP300N wireless interface to empty port

Switch on the device.

→ In config tab of the device a new wireless interface will now become visible.

→ Now config the SSID, WEP key gateway and IP address of PC and Laptop

The SSID is Set to WLAN
WEP Key = 1234567890
Gate way = 10.0.0.1

Ping output In PC0 go to cmd

PC -> Ping 10.0.0.4

Pinging 10.0.0.4 with 32 bytes of data

Reply from 10.0.0.4 bytes= 32 time=24ms TTL

Ping statistics for 10.0.0.4
packets Sent =4, Received =4
cost 0 (0% loss)
Approximate round trip time in ms
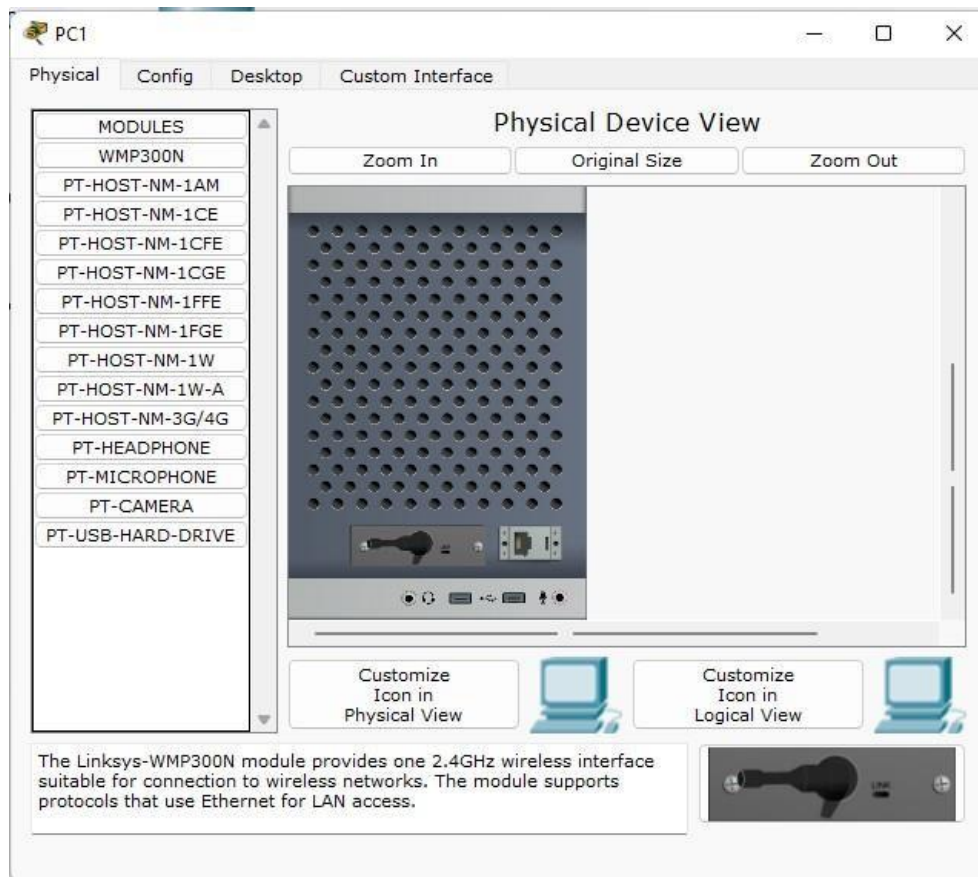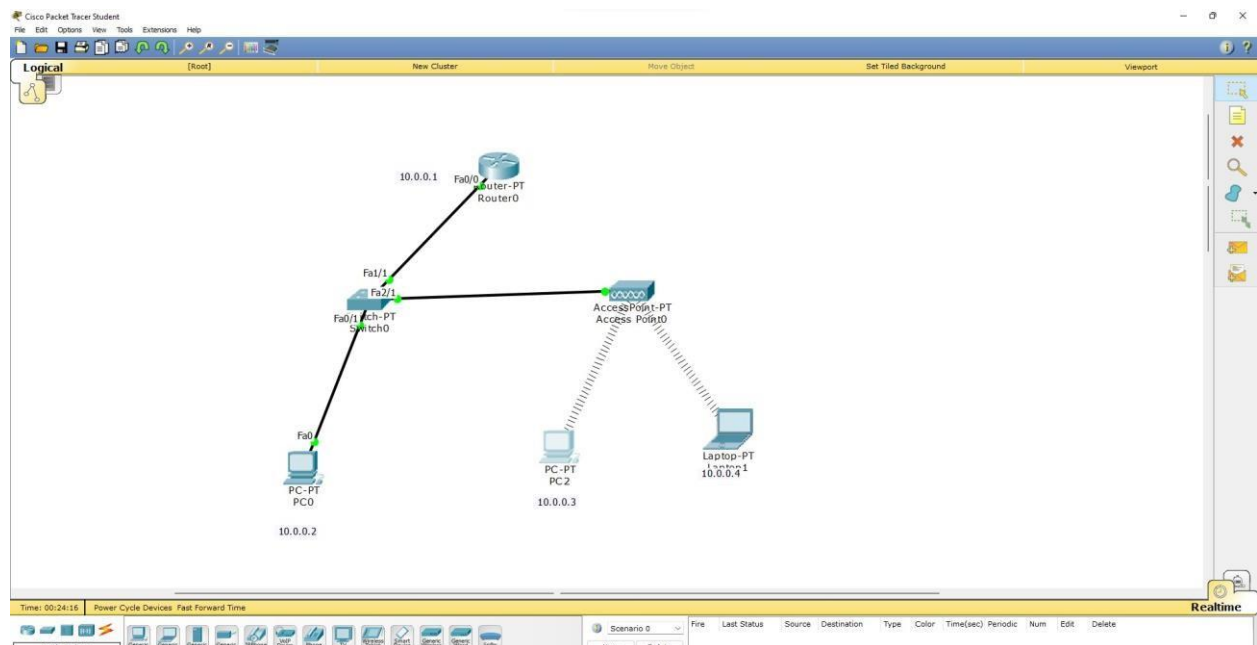min = 5ms max = 24ms Average=14

Observation :-

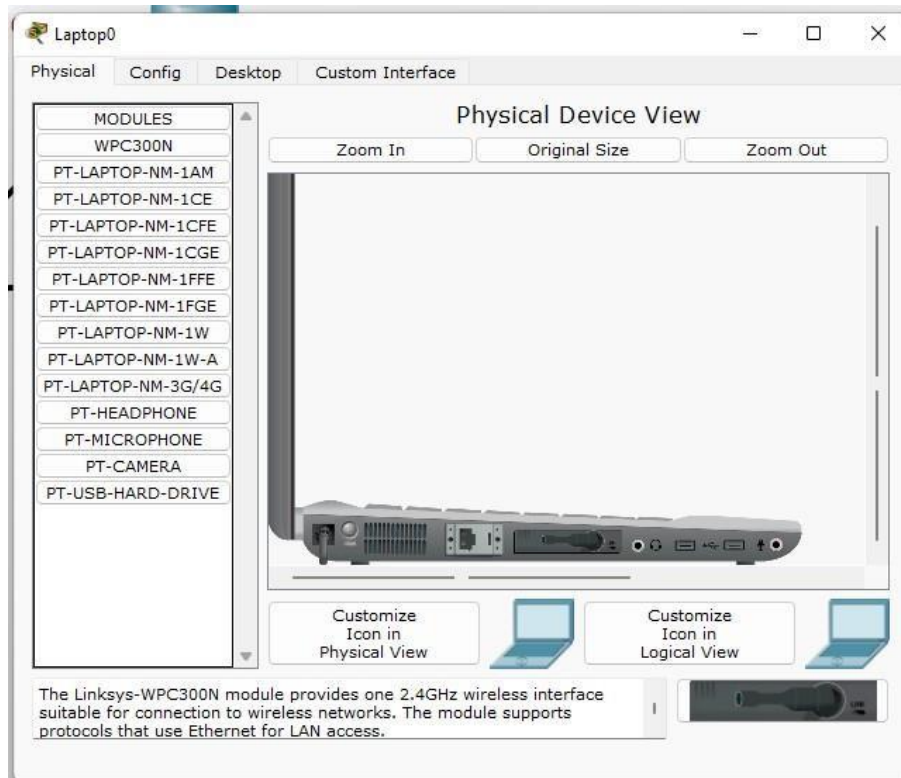We can ping each and every device
to the other device
so we con observe that
wires connection is done
Successfully

→ When connection is established there we can observe stripped links connecting access points and end devices.

19/8/2023

TOPOLOGY:

OUTPUT:


```
      Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 10.0.0.3

Pinging 10.0.0.3 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 10.0.0.3:
      Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 10.0.0.3

Pinging 10.0.0.3 with 32 bytes of data:

Reply from 10.0.0.3: bytes=32 time=21ms TTL=128
Reply from 10.0.0.3: bytes=32 time=7ms TTL=128
Reply from 10.0.0.3: bytes=32 time=9ms TTL=128
Reply from 10.0.0.3: bytes=32 time=10ms TTL=128

Ping statistics for 10.0.0.3:
      Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
      Minimum = 7ms, Maximum = 21ms, Average = 11ms

PC>
```