

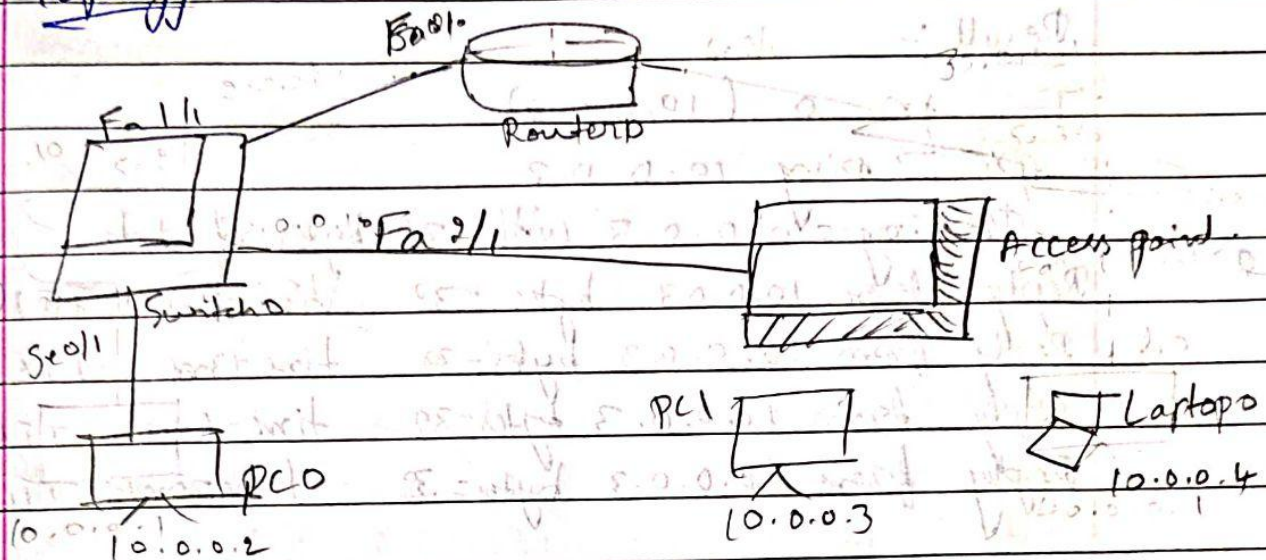
WEEK 11

To construct a WLAN and make the nodes communicate wirelessly

OBSERVATION:

LAB - 10Aim:

To construct a WLAN and make the nodes communicate wirelessly.

Topology :-procedure :-

- (i) Construct above topology, in Access point PT connect that to router SRT the IP address of the PC connected with wire and configure router 1.
- (ii) Configure access point 1 → port 1 → SSID Name any name (WLAN here). Select WEP and give 10 digit 1234567890 hex.
- (iii) To configure PC and laptop wirelessly, Switch off the device. Drag the existing PT-Hot-MAC - 1 to the component listed in the LHS. Drag WMP300N wireless interface to the right port and click on the device.

Router>enable

Router #config t

Router (config) # interface fastEthernet 0/0

Router (config-if) # ip address 10.0.0.10 255.0.0.0

Router (config-if) # no shut

Result :-

In pc 0 (10.0.0.2)

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=13ms TTL=128

Reply from 10.0.0.3 bytes=32 time=13ms TTL=128

Reply from 10.0.0.3 bytes=32 time=6ms TTL=128

Reply from 10.0.0.3 bytes=32 time=20ms TTL=128

Ping statistics for 10.0.0.2

Packet sent=4, Received=4, lost=0 (0% loss)

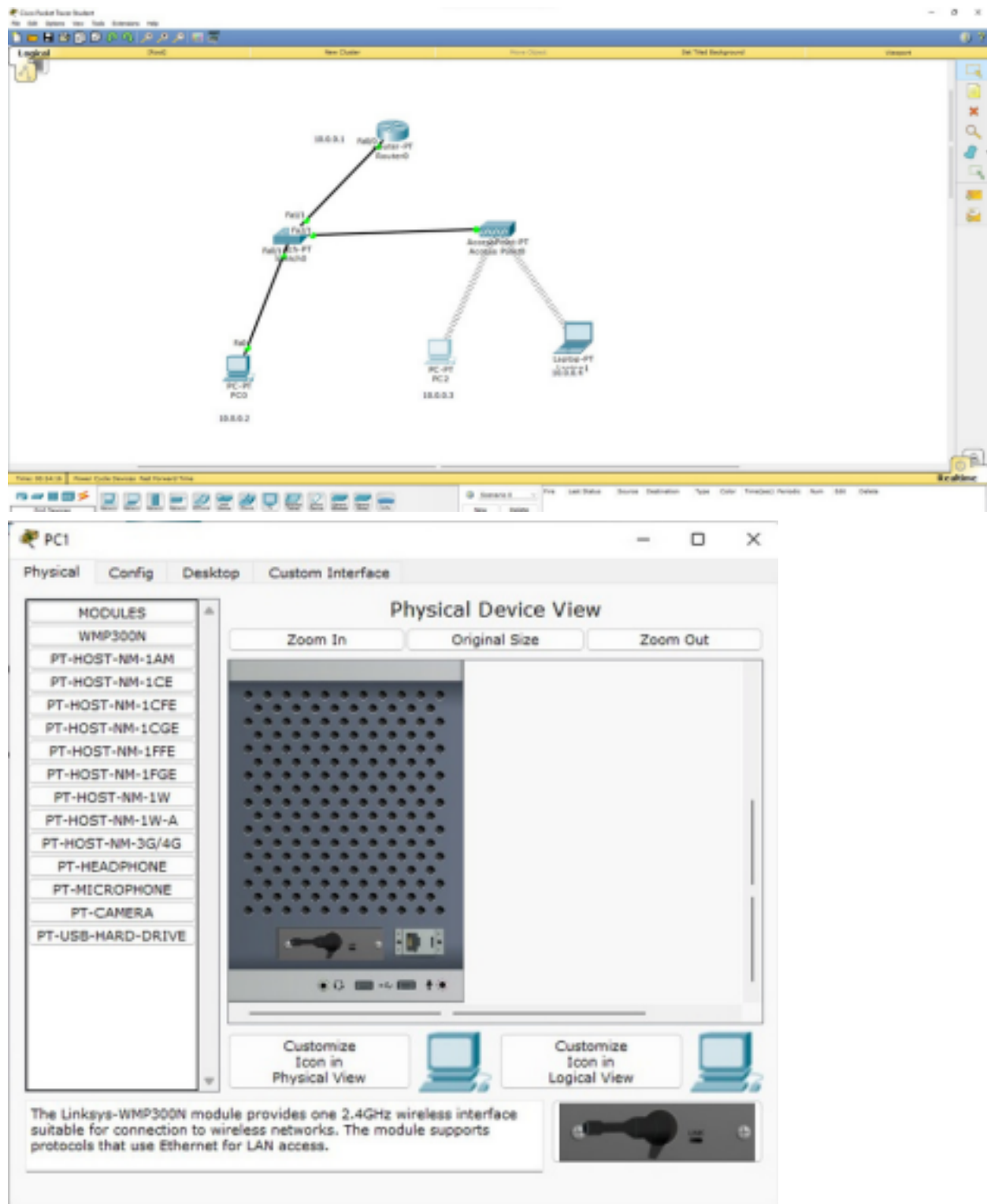
Approximate round trip times in milliseconds

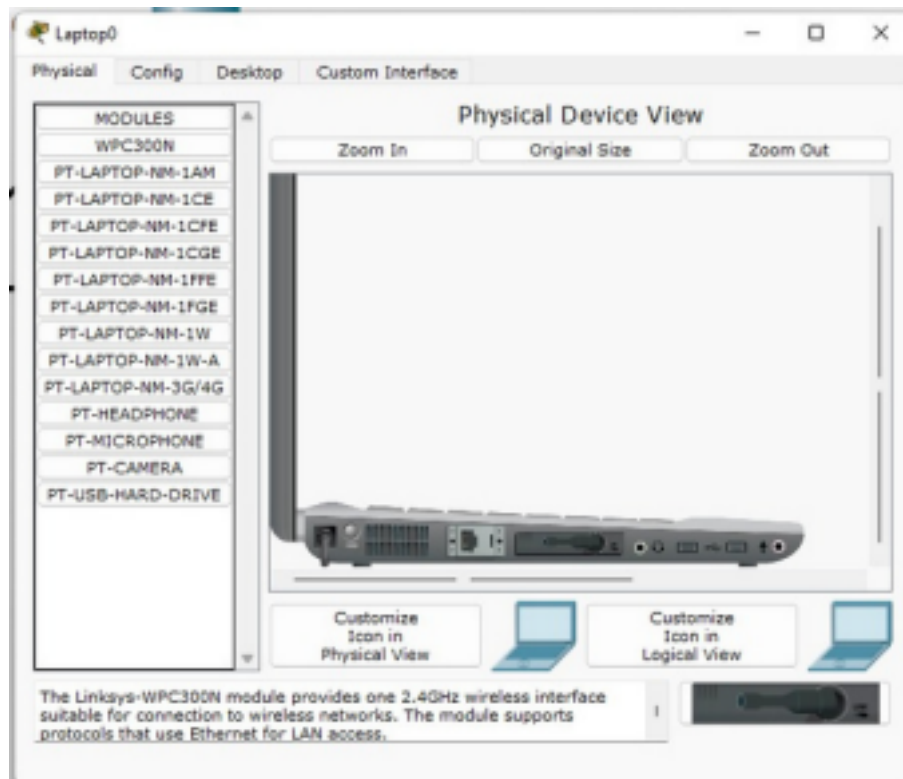
Minimum=6ms, Maximum=21ms, Avg=12ms

Observation

- (i) Wireless local area network WLAN is a group of networked computers or other devices that form a network based on a radio transmission rather than wire connections.

TOPOLOGY:





OUTPUT:

