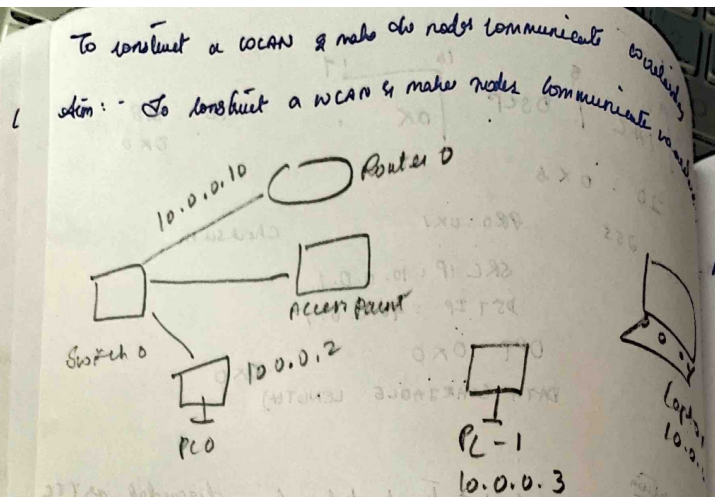


WEEK 11

To construct a WLAN and make the nodes communicate wirelessly

OBSERVATION:



Procedure

- 1) Construct above topology. Use access point - ppt connect the router.
- 2) Configure PC 3 & router 1 as is normally done.
- 3) Configure Access point 1 - Host 1 - SSID Name - any name
- 4) Select WEP & give any 10 digit key 1234567890
- 5) Configure PC & laptop with wireless standards
- 6) Switch off the device. Drag the existing RT-
- 7) In the configure tab a new wireless interface would have been added.

Packet Tracer

PC command line 10

PC > ping 10.0.0.3

Pinging 10.0.0.3 with 32 bytes of data:
Request timed out

Reply from 10.0.0.3: bytes=32 Time=0ms TTL=122

Reply from 10.0.0.3: bytes=32 Time=0ms TTL=122

Reply from 10.0.0.3: bytes=32 Time=2ms TTL=122

Ping statistics for 10.0.0.3

Packets: Sent=4 Received=3 Lost=1 (35% loss)

Minimum = 0 ms, maximum = 1 ms average = 0 ms

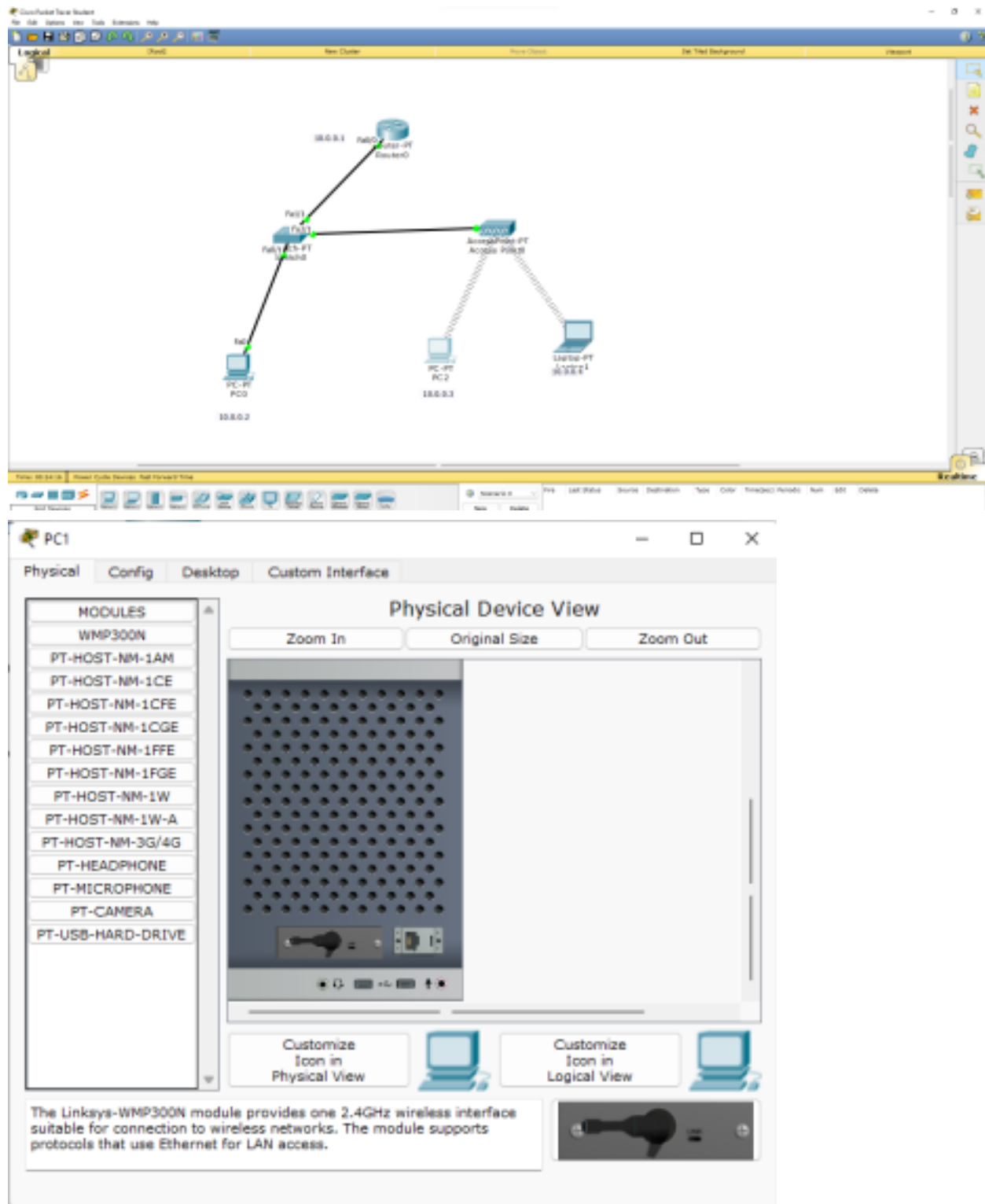
Observation

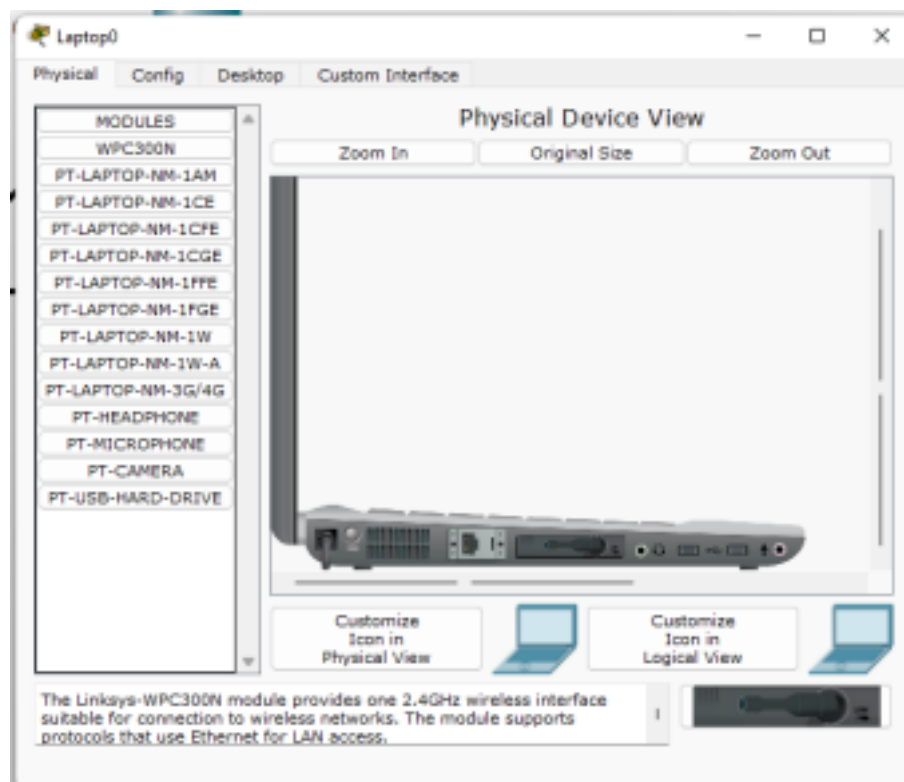
A WLAN is a group of collocated devices that form a network based on radio transmissions.

Data sent in packets contain header with labels & instructions - more address to end points for routing.

The access point is the base station that serves as a hub to which the access point we can connect to multiple devices wirelessly & transmit data.

TOPOLOGY:





OUTPUT:

