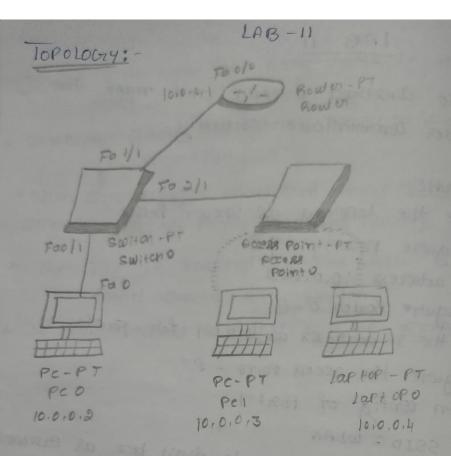
## **LAB 11**

# To construct a WLAN and make the nodes communicate wirelessly

#### **OBSERVATION:**

```
LAB -11
AIM: TO CONSTOUCH a WIAN and make the
   modes communicate wirelessiy.
PROCEDURE:
of cheate the topology as shown below
2) configure PC3
IP address 10,0,0,2
3) configure Router o.
  Set the IP address as 10.0.0.1 for Facto
4) configure the access point - PT
     in config of Port 1
  -7 SSID = WLAN
select WEP and give any to digit here as Parkwood
          12345678 90
5. To configure PC 4 and Laptor with wineless
   /standard
 switch off the device,
 Drag the existing PT-HOST-NM-IAM to
Lys and Place it on its name mentioned.
 Drag the wmp 300 N wirreless interface
 to empty Posit.
 Switch on the device.
```



interface will now become visible.

7. Now configure the SSID. WEP. WEP KEY, CHATEWAY and IP address of PC and Lartor

The SSID is 8et to WLAN

WEP KEY = 1334567890

GATEWAY = 10.0.0.1

PINUT OUTPUT: In PCO go to command Prompt PC Ping 10.0.0.4

Pinging 10.0.0.4 with 30 bytes of dato:

pary from 10.0.0.4' byter = 30 time= sums TTI=128 Reply form 10.0.0.4 bytes = 30 time = 5 mg TTL=128

Reply form 10.0.0.4 bytes = 30 time = 5 mg TTL=128

Reply form 10.0.0.4 bytes = 30 time = 12 mg TTL=128

ping Statistics for 10.0.0.4

Packets: - Sent = 4. Received =4 LOS9 = 0 (0% LOSS) pproxemate sound thip time. in milli secondsi minimum = 5 mg. maximum = Dumg. Average = 14 mg.

OBSERVATIONI

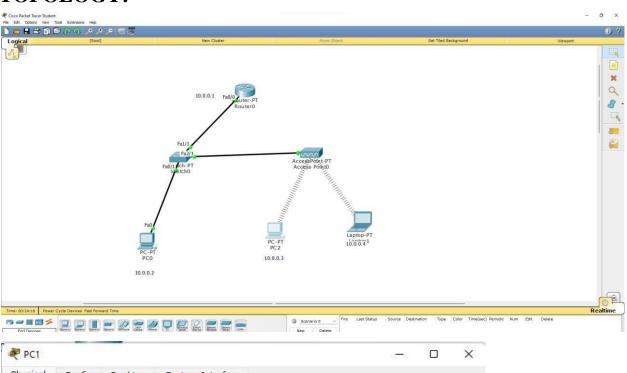
we com Ping each and every device to the other device.

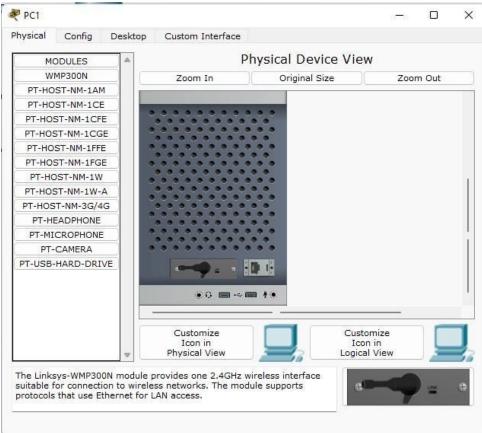
30 we can observe that wireless connection is deno as successfully.

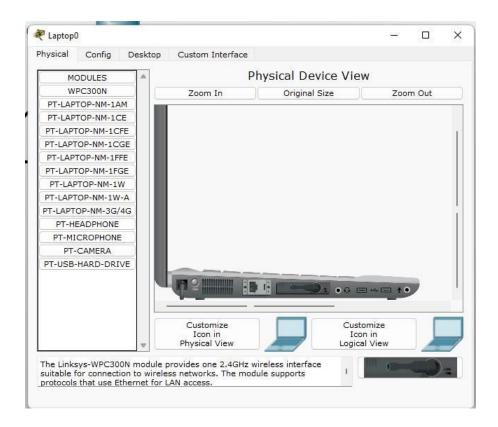
When connection is established there is stripped lines connecting access Points and end devices.

the fe are among in secure of and

# **TOPOLOGY:**







### **OUTPUT:**

```
PC0
                                                                                                                     X
Physical
               Config
                            Desktop
                                          Custom Interface
    Command Prompt
                                                                                                                            X
     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.
     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 = 2lms, Average = 1lms
```