## Lab-11

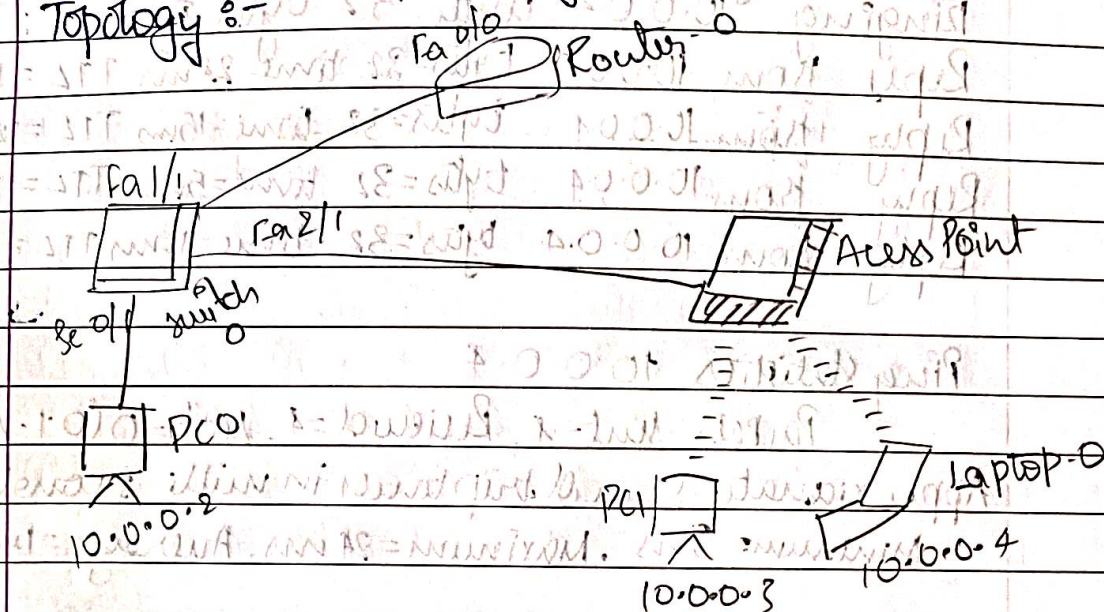**Aim :-** To construct a WLAN & make the nodes communicate wirelessly.

**Topology :-**



**Procedure :**

(i) Create the toplogy as shown above.

(ii) Configure PC the acess point-PT in config & part 1
→ SSID = WLAN
select WEP & give any 10 digit hexdicimal as password
123456790

(iii) Set IP address of the PC.

(iv) To configure PC4 & Laptop with wireless standard switth off servic.
Drag the existing PT-HOST-NM-1AM to LHS &
place it on its name mentioned
Drag the WMP300N wireless interface to
empty p Switch on the device.

(v) In config tab of the devic a new wireless interface
will now become visible.

(vi) Now configure the SSID, WEP, WEP key, gateway &
IP address of PC & Laptop.
WEP Key = 1234567890
Gateway = 10.0.0.1

## Ping Output:-

In PC0 go to command prompt

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=127

Reply from 10.0.0.4 bytes=32 time=15ms TTL=127

Reply from 10.0.0.4 bytes=32 time=5ms TTL=127

Reply from 10.0.0.4 bytes=32 time=12ms TTL=127.

Ping statistics 10.0.0.4

Packets sent-4, Recieved=4, Lost=0 (0% Loss)

Approximate round trip times in milli seconds.

Minimum= 5ms , Maximum=24 ms, Average=1ms

## Observation :—

we can ping each & every devices to the other devices

So we can observe that wireless connection is done sucessfully. when connection is established there is stripped line connecting acess points and end devices.