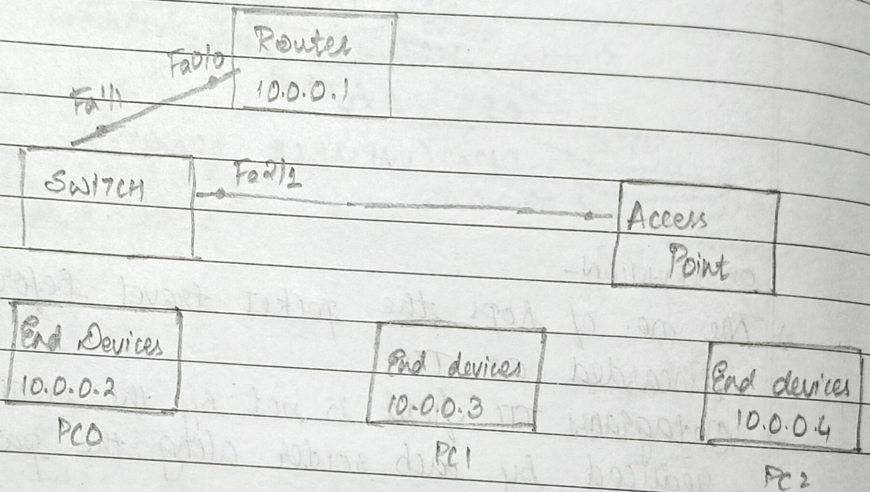


## LAB-11

### AIM -

To construct a WLAN and make the nodes communicate wirelessly.

### TOPOLOGY



### PROCEDURE:

- Construct the above topology.
- Configure PC & router 0 as normally done
- Configure access point 1 - Port 1 → SSID Name → WLAN
- Select 606P & give any 10 digit hex key - 1234567890
- Configure PC1 & laptop with wireless standards.
- Switch off the device. Drag the existing PT-Host - NM-1AM to the component listed in #H5. Drag WMP300N wireless interface to the empty part. Switch on the device.



- In the config table a new wireless interface would have been added. Now configure SSID, WEP, WEP key, IP address and gateway to the device.
- Ping from every device to every other device

### PING OUTPUT

Packet Tracer PC command line 1.0

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=127

Reply from 10.0.0.3 : bytes=32 time=0ms TTL=127

Reply from 10.0.0.3 : bytes=32 time=0ms TTL=127

Ping statistics for 10.0.0.3

Packets: Sent = 4, Received = 3, Lost = 1 (25% Loss)

Approximate Round trip times in milliseconds

Minimum = 0ms, Maximum = 1ms, Average = 0ms

### OBSERVATION

- A WLAN is a group of device that form a network based on radio transmission.
- Data sent in packets contain layers with labels and instructions. MAC address to endpoints for routing.
- With one access point we can connect to multiple devices wirelessly & transmit data.