WEEK 12

To understand the operation of TELNET by accessing the router in server room from a PC in IT office.

OBSERVATION:

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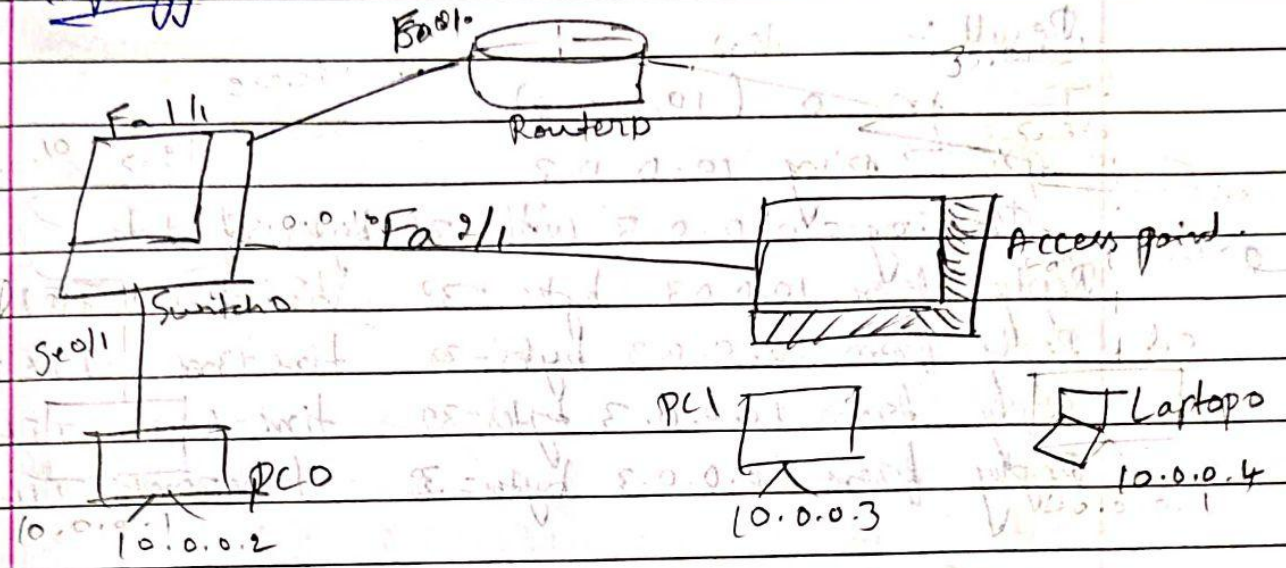
AIM:

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 point1 → port1 → SSID Name-any-name (WLAN name). Select WEP and give 10 digit 1234567890 key.

(iii) To configure PC4 and laptop wirelessly, Switch off the device. Drags the existing PT-Host-NM-1 to the component listed in the LHS. Drag WMP300N wirelessly interface to the empty port and switch on the device.

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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 = 1ms TTP = 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 = 0ms TTL: 128

Ping statistics for 10.0.0.2
Packets 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 interconnected computers or other devices that form a network based on a radio transmission rather than wire connections.

TOPOLOGY:

OUTPUT: