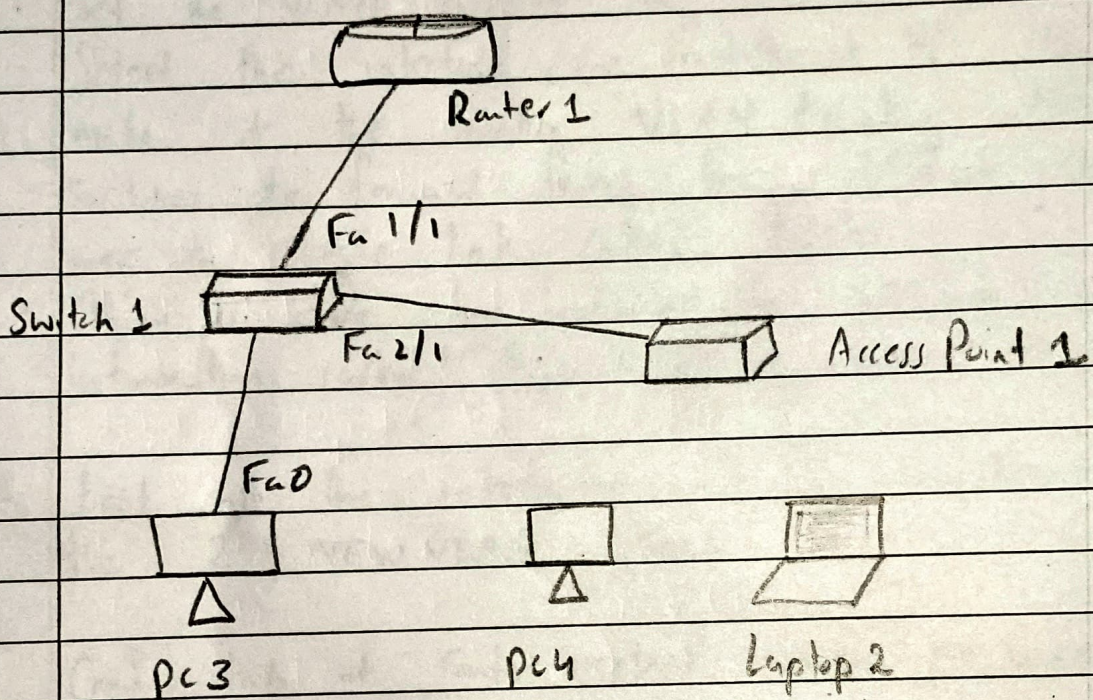


Experiment 11 - Construct a WLAN and make the nodes communicate wirelessly.

Aim - To construct WLAN and make nodes communicate wirelessly.

Topology



Procedure

- Drag a switch and connect it to a PC, router and an Access Point.
- Place a PC4 and a Laptop without any wired connection.
- Configure PC3 with IP address 10.0.0.2 and Router 1.

Configure Access Point -

Part 1 → SSID Name → Enter any name
Select WEP and give any 10 digit hex key -

1234567890.

Configure PC4 and Laptop with Wireless Standards:

Switch off the device. Drag the existing PT-MOST-AM-1 AM to the component listed in the LHS. Drag WMP300N wireless interface to the empty port. Switch On the device.

- In the config tab, a new wireless interface would have been added. Now, = configure SSID, WEP, WEP Key, IP address and Gateway to the (device).
- Ping every device to every other device and see the results.

Observations

WLAN enables wireless network communication. It uses radio waves for connectivity. WLAN connects devices wirelessly within a local area with the help of WEP for encryption and SSID for respective identification.