13/9/24

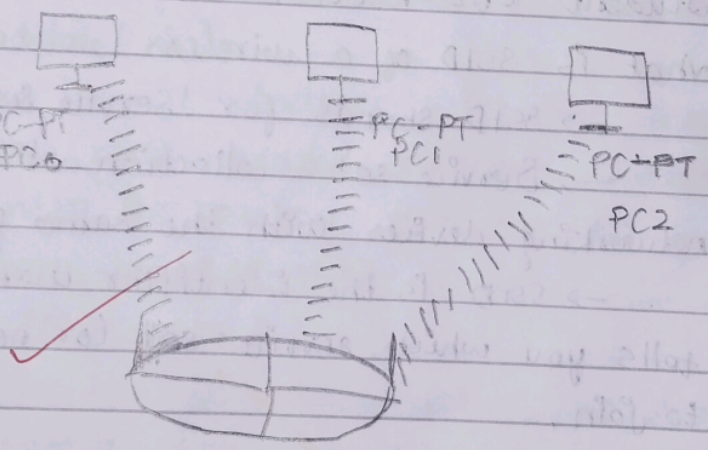
Ex-8b) Configuration of Nireless LAN.
Date : 13/9/24

AIM

Configuration of Wireless LAN using Cisko Packet Tracer.

Perform following configuration:

→ Configure static IP on PC and wireless router
→ Set SSID to NotherNetwork
→ Set IP Address of router to 192.168.0.1, PC0 to 192.168.0.2, PC1 to 192.168.0.3 and PC2 to 192.168.0.4
→ Secure your network by configuring WAP key on router
→ Connect PC by using WAP key.



Simulation Panel:

Vis	Time	Last Device
	0.004	Wire Router ()
	0.009	PC0
	0.011	PC2

Output Panel

Fire	Last status	source	destination	type
	Successful	PC0	PC2	ICMP

Student Observation.

1) What is SSID of a wireless router?

→ SSID stands for 'Service set Identifier'

→ Service set - collection of wireless networking devices with the same parameters.

→ SSID is the identifier (name) that tells you which service set (or network) to join.

In our 8b) experiment, motherboard network is the SSID

2) What is a security key in wireless router?

→ Security key is known as wireless network Password.

→ Password that we use to connect to a wireless network.

[We set security password (passkey): 0123456789 [10 digit number] for our motherboard wireless network].

3) Configure a simple Wireless LAN in your lab using a real access point and write down the configuration in your netbook.

PC: [Do the same with diff. IP address for all PC]

1) First Insert WMP-300N in the CPU
2) Turn on the computer
3) Go to desktop → IP configuration → assign a IP address 192.168.0.2 & default gateway with IP address router [i.e. 192.168.0.1]
4) Go to PC wirelesss, in the connect, click on the motherboard network & connect.
5) Enter the passkey we set on the router [0123456789]
6) Click connect
7) In the link information, we can check whether the connection is made correctly.

Wireless Router:

1) In the GUI, go to wireless
2) Set the SSID as motherboad & save.
3) Go to wireless security & enter a passkey which we later use to connect PC with router.
4) Save settings.

Result:

The configuration of Wireless LAN is successfully observed & the output is verified.