Exp No: 8b

Date: ~~18/10/24~~ 13/9/24

Wireless LAN

Aim:

To configure wireless LAN using ciso packe tracer.

Procedure:

1) Create network with 3 PCs & wireless rout

2) Right click on wireless router, Note IP address. [192.168.0.1]

→ Disable DHCP Server

→ Save settings

3) click on wireless on same page

→ change n/w to MyHome Network

→ Save setting

→ click on wireless security & change security mode to WEP from disabled.

Add Key 1: 0123456789

Save settings

→ then close window.

4) Now assign IP to the PC's

PC0 = 192.168.0.5

→ gateway = 192.168.0.1

PC1 = 192.168.0.6

gateway = 192.168.0.1

PC2 = 192.168.0.7

gateway = 192.168.0.1

5) Now click on PC0

→ click physical option

- Drag the port in the diagram to the left menu
  - Turn on that
  - Now click on desktop → PC wireless
  - click connect → Site information → connect
  - Type '0123456789' in WEP key 1
  - connect

6) Repeat steps for PC1 & PC2.

O/P

Thus packets could be transmitted via wireless router

| source | dest | type | time | period | Num |

Simulation panel

Event List

Via	time (sec)	Last Devices
	0.000	—
	0.001	PC0
	0.003	
	0.004	wireless router 0
	0.004	Wireless router 0
	0.005	— — —
	0.006	PC2
	0.008	
	0.009	wireless router 0
Visible	0.012	— —

Student observation

a) What is SSID of wireless Router?

Service set identifier is name assigned to wireless network, allowing devices to connect to the correct wifi. This helps to distinguish one network from others in same are

b) What is security key in wireless router

Security key is password or code used to protect wireless network, ensuring only authorised users can connect. common types are WEP, WPA etc...

Result:

This wireless LAN has been configured successfully using cisco Packet tracer.