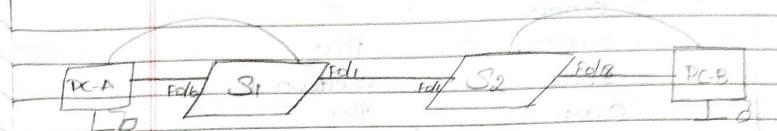


Exp : 08 a) Simulate Virtual LAN configuration

Aim :- Simulate Virtual LAN configuration using CISCO packet tracer simulation.



Device	Interface	IP Address	Subnet Mask	Gateway
S1	VLAN1	192.168.1.11	255.255.255.0	N/A
S2	VLAN1	192.168.1.12	255.255.255.0	N/A
PC-A	NIC	192.168.10.3	255.255.255.0	192.168.10.1
PC-B	NIC	192.168.10.4	255.255.255.0	192.168.10.1

#### Procedure :

1. Build the network in the topology.
2. Configure basic setting for each switch
3. Configure PC Host
4. Test Connectivity

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Output: Simulation Panel.

Vis	Time(sec)	Last Device
	0.000	-
	0.000	-
	0.001	PC0
	0.003	Switch0
	0.004	PCI
	0.005	-
	0.007	PC0
	0.008	PCI
Visible	0.009	Switch0.

Min 0.000000 0.000000 0.000000 0.000000 0.000000  
Max 0.000000 0.000000 0.000000 0.000000 0.000000  
Total 0.000000 0.000000 0.000000 0.000000 0.000000  
Avg 0.000000 0.000000 0.000000 0.000000 0.000000

Result: Simulation of LAN Configuration is done successfully.

OK

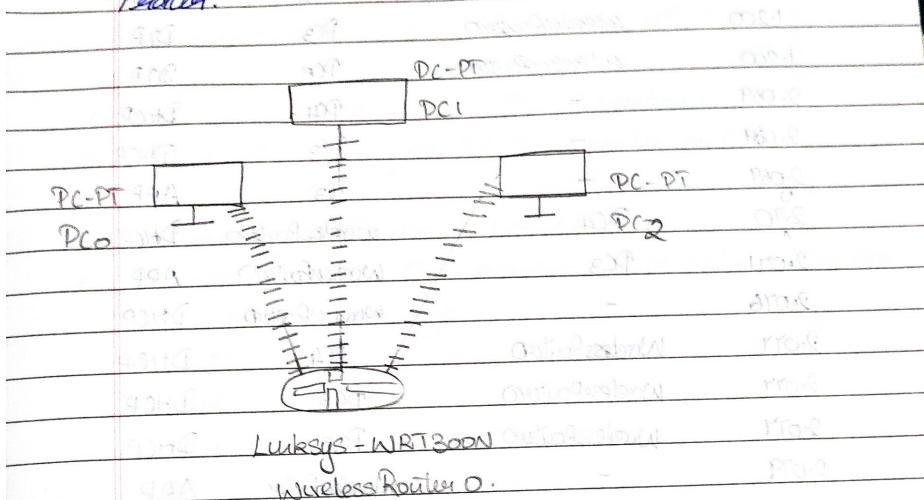


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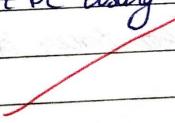
## b) Configuration of wireless LAN using Cisco packet Tracer

Ques :- To configuration of wireless LAN using Cisco packet Tracer.



### Procedure :

1. Configure Static IP on PC and Wireless Router
2. Set SSID to MotherNetwork
3. 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.
4. Secure your network by configuring wpa Key on Router
5. Connect PC using wpa Key



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Output:-

VIS	Time	Last Device	At Device	Type
1.999	-	WirelessRouter0	WirelessRouter0	DTP
1.200	1.200	WirelessRouter0	PC4	DTP
1.200	1.200	WirelessRouter0	PC3	DTP
1.200	1.200	WirelessRouter0	PC5	DTP
2.069	-	PC4	PC4	DHCP
2.069	-	PC3	PC3	TMC
2.069	-	PC3	PC3	ARP
2.069	2.070	PC4	WirelessRouter0	DHCP
2.070	2.071	PC3	WirelessRouter0	ARP
2.071	-	WirelessRouter0	WirelessRouter0	DHCP
2.071	2.071	WirelessRouter0	PC4	DHCP
2.071	2.071	WirelessRouter0	PC3	DHCP
2.071	2.071	WirelessRouter0	PC5	DHCP
2.079	-	WirelessRouter0	WirelessRouter0	ARP

Result  
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Result:- Configuration using Cisco packet tracer is done successfully.