ABHISHEK SHARMA

CS 2ND YEAR SECTION: "I" ROLL NO.: 01

ENROLLMENT NO.: 12019009001127

COMPUTER NETWORKS LAB 9 WEEK: 9

ASSIGNMENT:9

Experiment 9

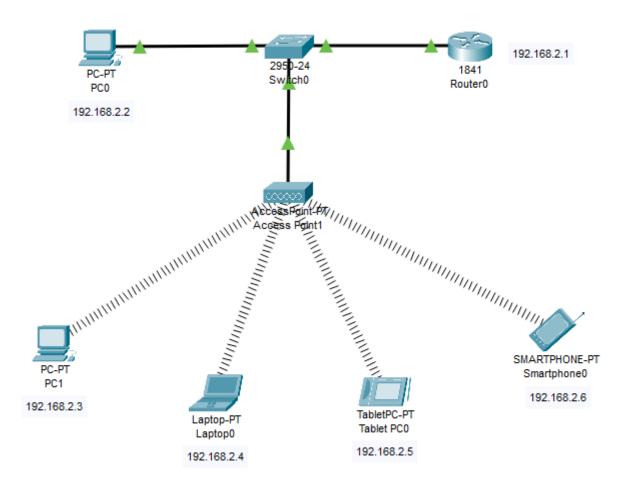
PLATFORM USED : CISCO PACKET TRACER 7.2 DATE : 08.04.2021

UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Q1. Configure the Wireless Access point network using Cisco packet tracer.

Requirements:

- 1. 2 PCs (Here, PC0 and PC1)
- 2. 1 Switch (2950-24)
- 3. 1 Router (1841)
- 4. 1 Access Point PT
- 5. 1 Laptop
- 6. 1 Tablet
- 7. 1 Smart Phone

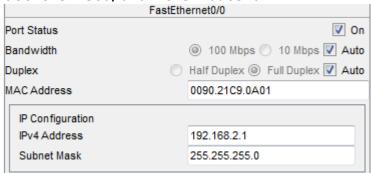


IP address for PC0 : 192.168.2.2

IP address for Router0 : 192.168.2.1 (Default Gateway)

IP address for PC1 : 192.168.2.3 IP address for Laptop0 : 192.168.2.4 IP address for Tablet0 : 192.168.2.5 IP address for Smart Phone0 : 192.168.2.6

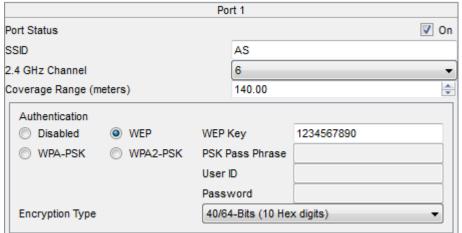
Configuring the FastEthernet0/0 of the Router0 :



IP Configuration of PC0 :

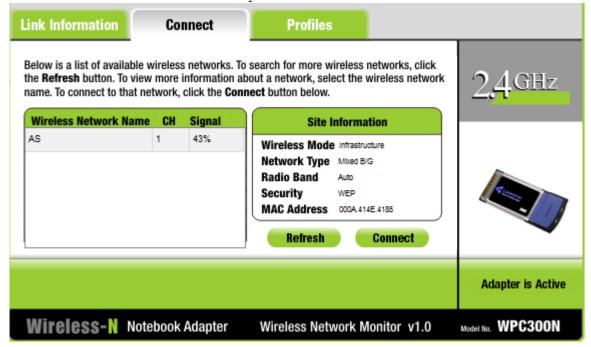
IP Configuration					
○ DHCP	Static				
IPv4 Address	192.168.2.2				
Subnet Mask	255.255.255.0				
Default Gateway	192.168.2.1				
DNS Server	0.0.0.0				

AccessPoint-PT Configuration :



Configuring the PC1 and connect it to the Router0 using the wireless AccessPoint-PT:

- Step 1 : Configure the IP address of the PC1 and set it static.
- Step 2: Turn off the PC and change the LAN port with the WMP300N wireless module, and turn on again.
- Step 3 : Go to PC wireless -> choose the wireless network -> put the WEP key -> connect -> active the adapter.



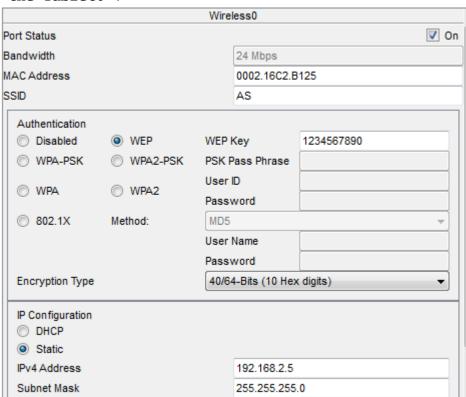
Configuring the Laptop0 and connect it to the Router0 using the wireless AccessPoint-PT:

Step 1: Turn off the PC and change the LAN port with the WMP300N wireless module, and turn on again.

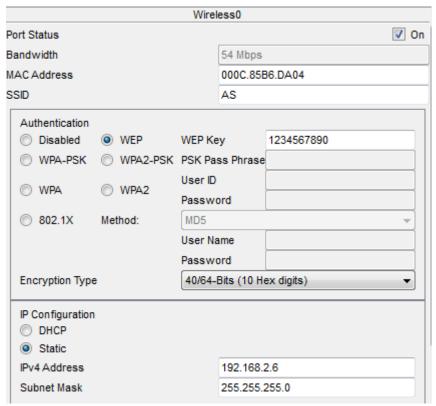
Step 2 : Configure the IP and WEP key.

Wireless0						
Port Status				✓ On		
Bandwidth		24 Mbps	24 Mbps			
MAC Address		0001.63A1.23	0001.63A1.2325			
SSID		AS				
Authentication						
Disabled	WEP	WEP Key	1234567890			
	WPA2-PSK	PSK Pass Phrase				
⊚ WPA		User ID				
		Password				
◎ 802.1X	Method:	MD5	D5 🔻			
		User Name				
		Password				
Encryption Type		40/64-Bits (10 Hex digits) ▼				
IP Configuration DHCP Static IPv4 Address Subnet Mask		192.168.2.4 255.255.255.0				

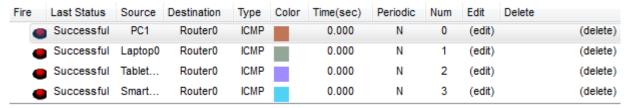
Configuring the Tablet0 :



Configuring the SmartPhone0 :



Now sending the PDUs to the Router0 from PC1, laptop0, Tablet0 and Smart Phone respectively, and check whether they are successfully transmitted or not:



Conclusion: All the devices are successfully deployed and the wireless network is successfully implemented. The whole wireless network is working properly.