Name: Shruti Chaube

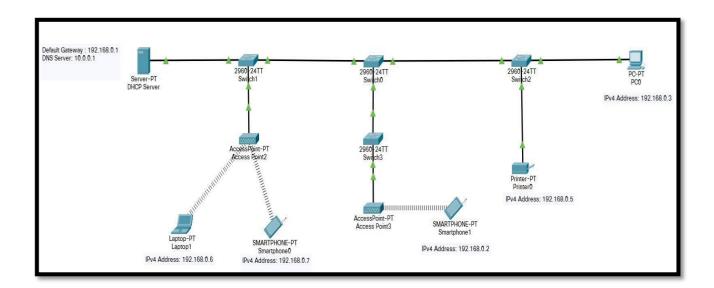
Roll No: 66

Network Design Lab

Chapter3: Simulation of Wireless Router in CPT

Learning Objective:

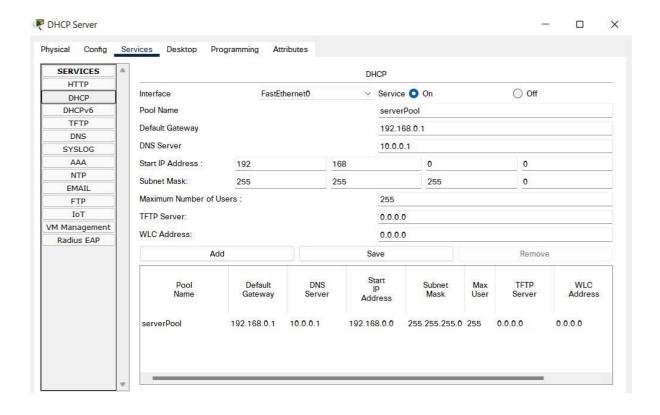
- 1) Simulate Access Point configuration
- 2) Simulate DHCP



DHCP Server:

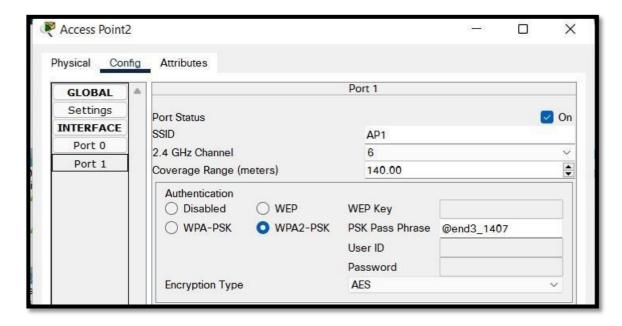
- Default Gateway: 192.168.0.1
- DNS Server: 10.0.0.1 **Device IP Address List:**
- Laptop1 192.168.0.6
- Smartphone0 192.168.0.7
- Smartphone1– 192.168.0.2
- PC0 192.168.0.3
- Printer0 192.168.0.5

DHCP Service Configuration:

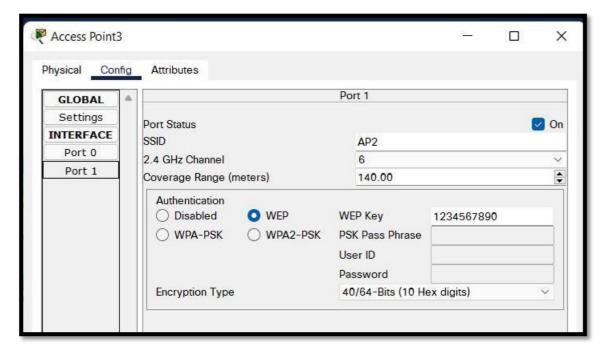


ICMP Ping Results:





Access Point 2 (AP2) WEP Authentication:



Conclusion:

Using Cisco Packet Tracer, I was able to do DHCP Configuration and all devices were automatically assigned IP Addresses by the DHCP Server. All Access Points are configured securely by using authentication methods like WEP and WPA2-PSK