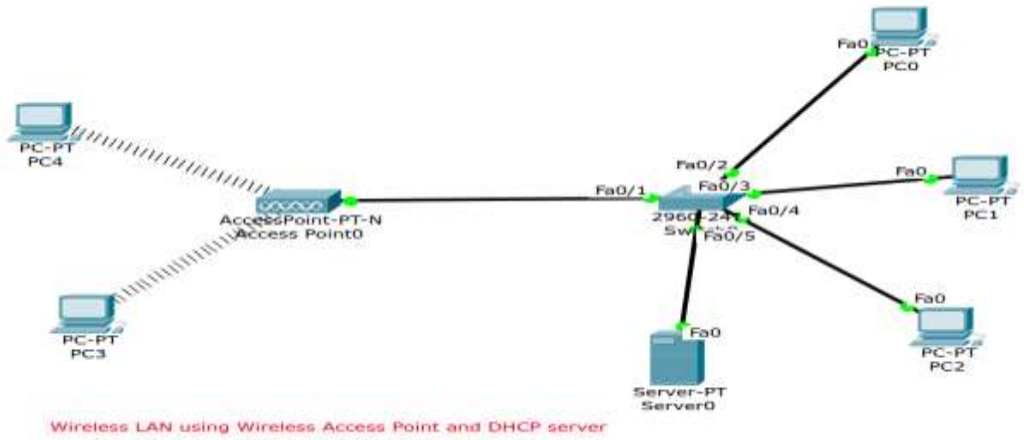
Experiment No: *06*
Experiment Name: *Implementation of Wireless LAN using Wireless Access Point and DHCP server.*

Objective:

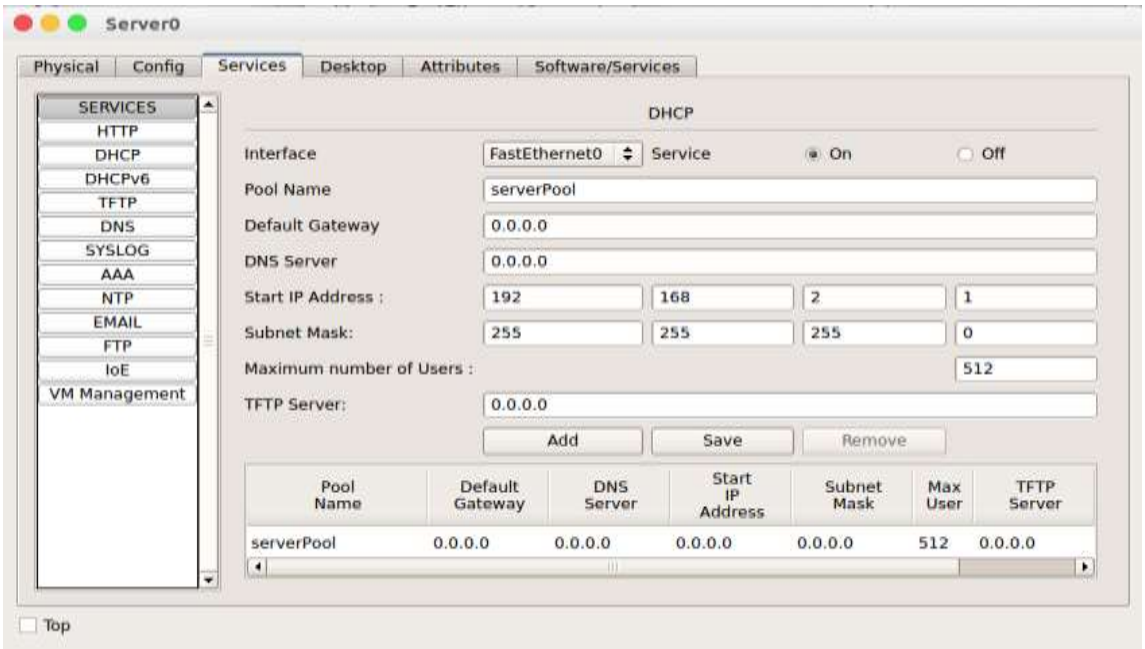
In this experiment, we are going to implement Wireless LAN using Wireless Access Point and DHCP server on 'CISCO Packet Tracer'.
Here, we use a sample network diagram it contains 1 switch, 1 Wireless Access Point, 1 server and 5 PCs.

Design Procedure:

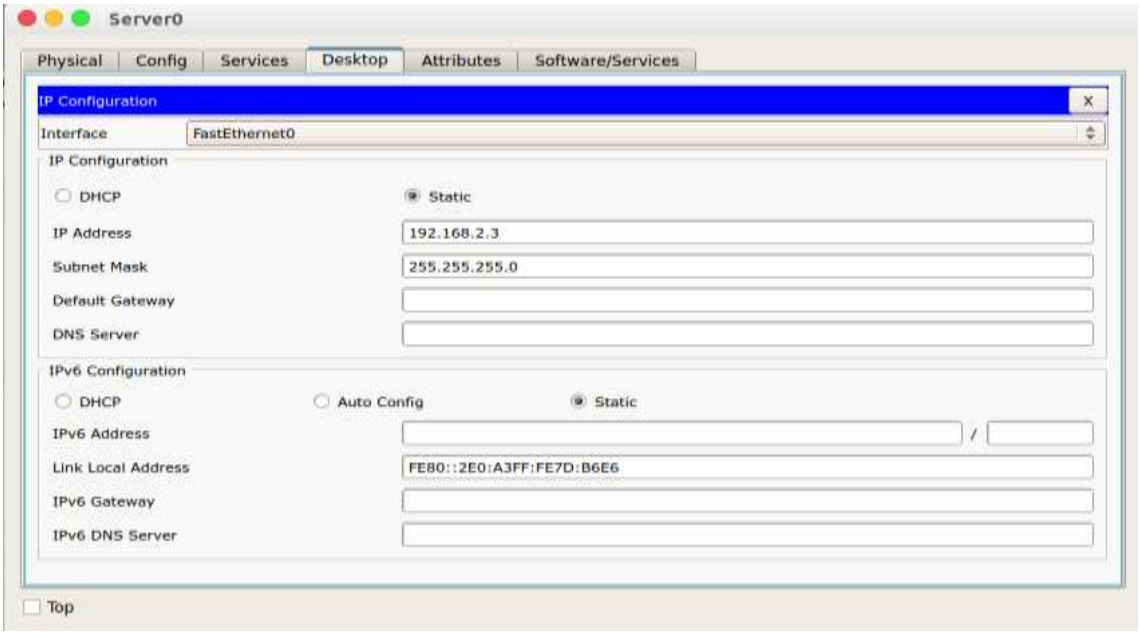
- Let us implement the network like below:



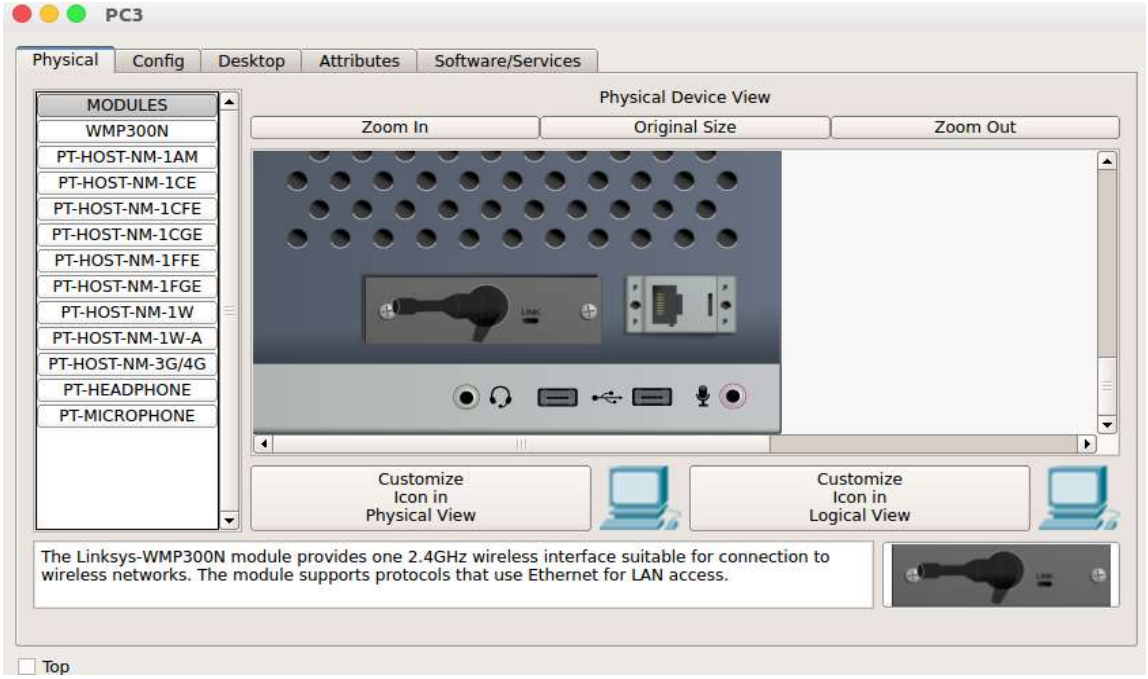
- Server Configuration:
  1. DHCP configure:



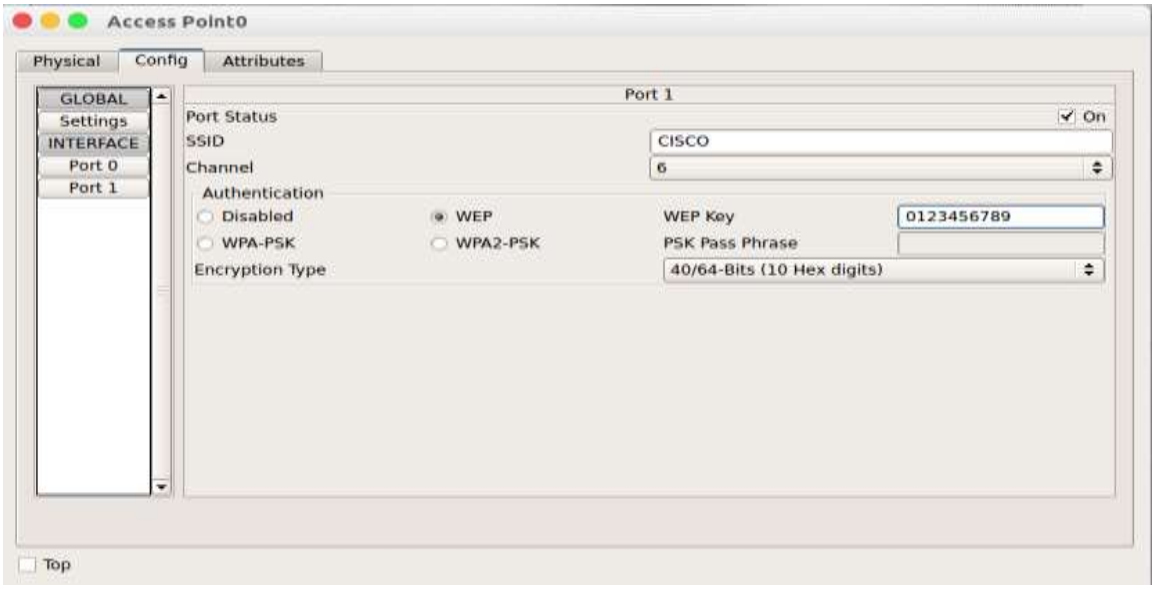
2. IP configure:



- Install WLAN card for PC-3:
  → At first off the connection. Then add the 'Linksys-WMP300N' WLAN card for PC-3 and same for PC 4.

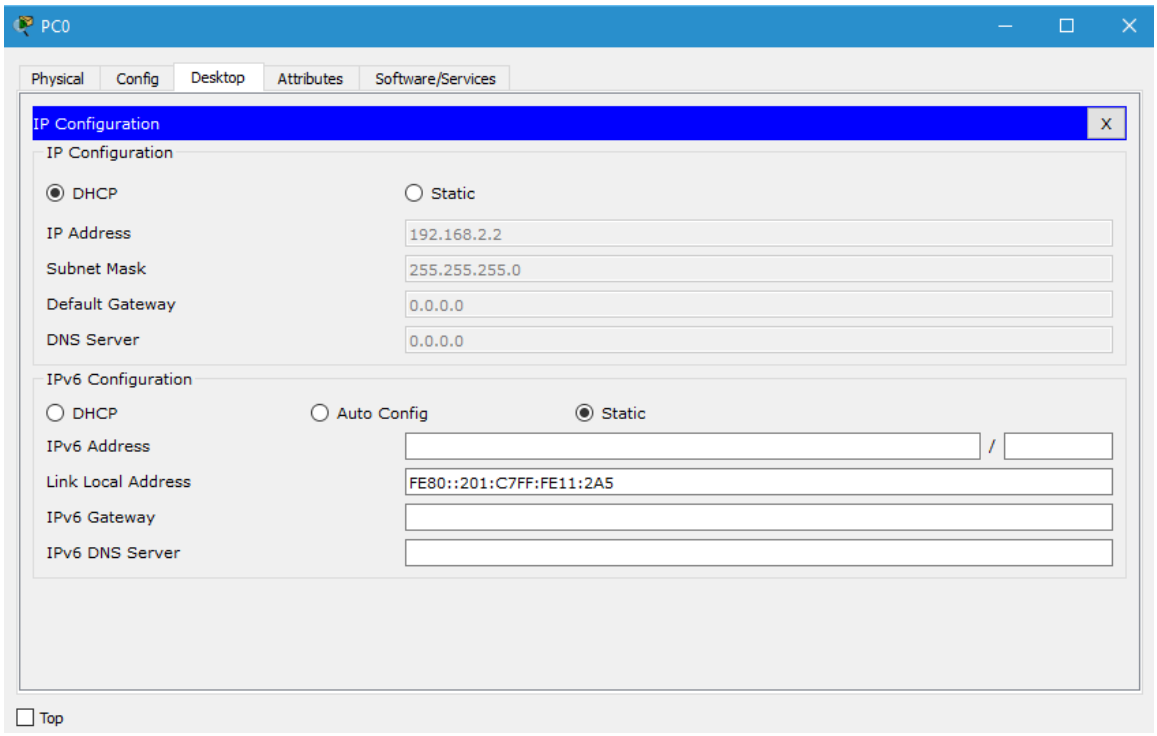


- Configure the access point like below:



- Connect it as SSID: CISCO and WEP Key: 0123456789 on PC-3 and PC-4

- Make DHCP configuration on PC0, PC1 and PC2 in IP address configuration.



- The IP of DHCP server is 192.168.2.3. Try to connect to the sever from PC3 using URL as: 192.168.2.3.