# Experiment No: 06

**Experiment Name:** Implementation of Wireless LAN using Wireless Access Point and DHCP server.

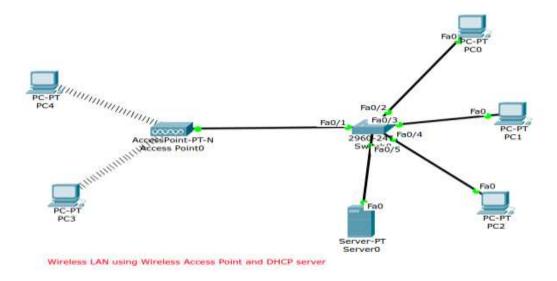
# Objective:

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.

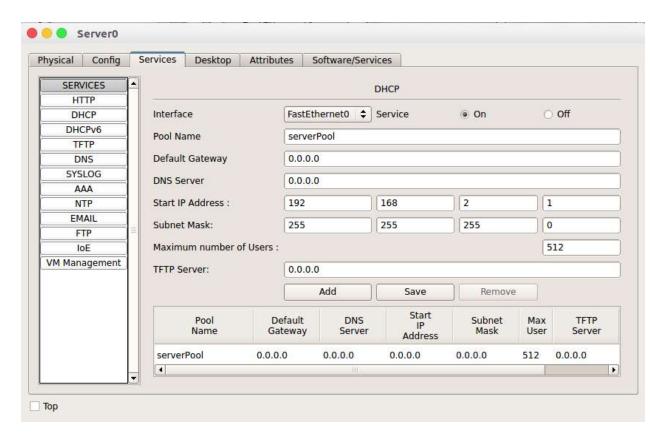
# Design Procedure:

Let us implement the network like below:

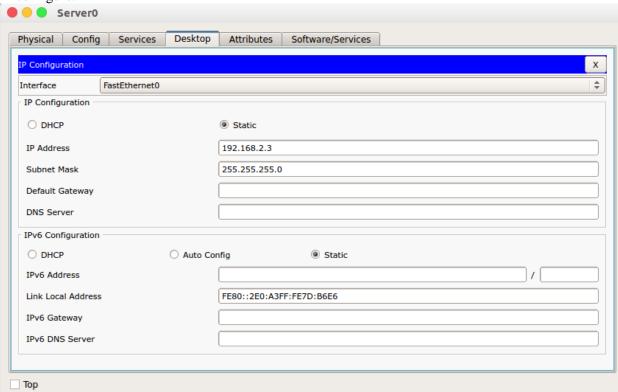


### Server Configuration:

a) DHCP configure:

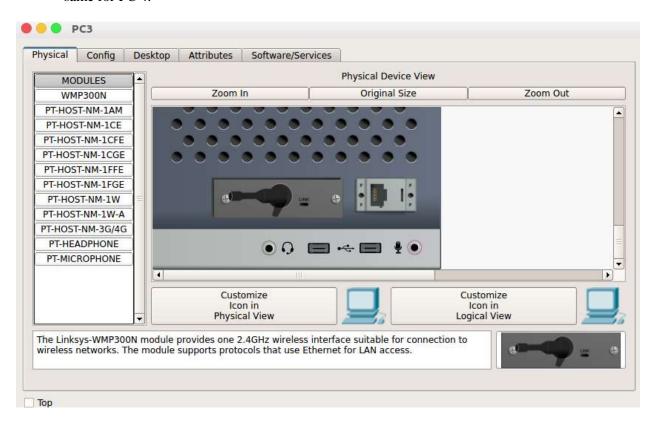


b) IP configure:

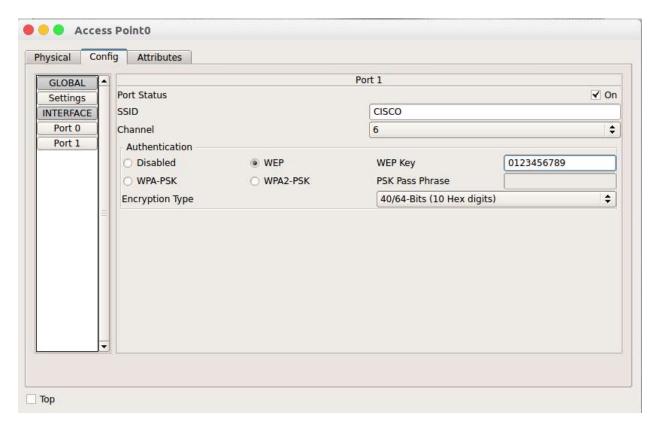


#### Install WLAN card for PC-3:

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

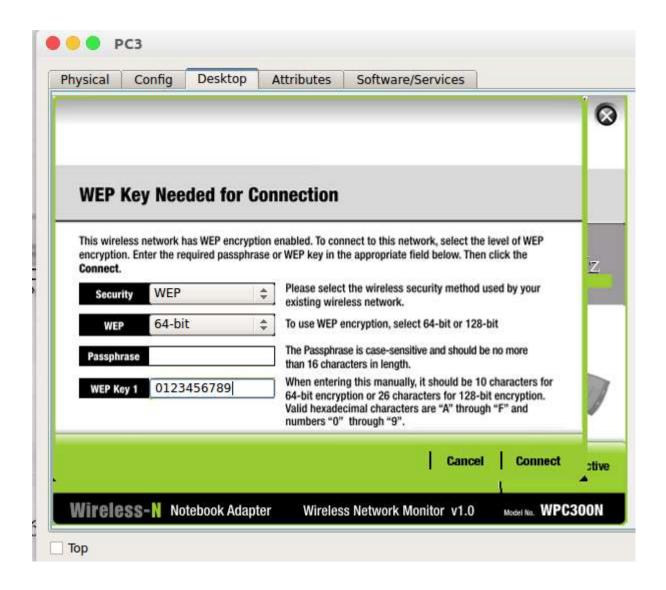


Configure the access point like below:



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.

