

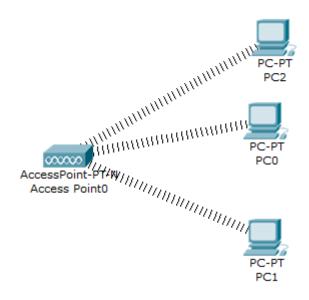
CNE301 – Network I – Lab 06

Building Extended Service Set using Wireless LAN.

#	Student ID	Student Name	Grade
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1			

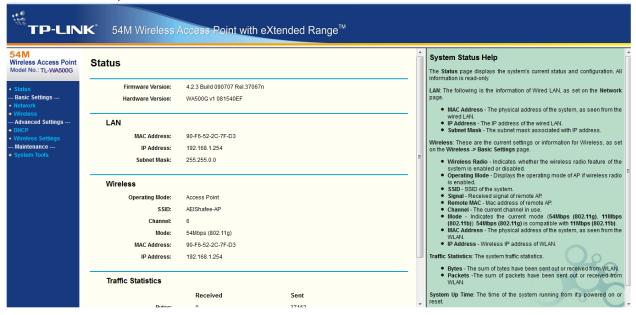


Part1: Infrastructure Wireless Network



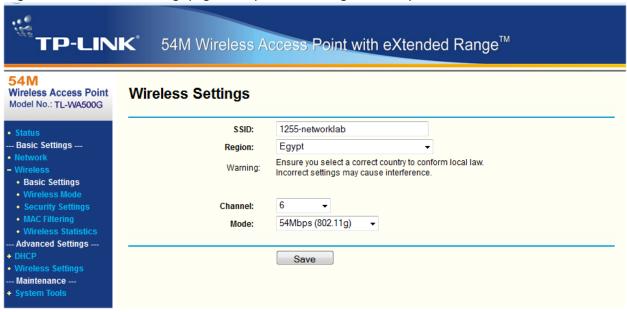
Configuring Access point

- 1. restore default configuration of access point by pressing reset button till all leds in the access point front panel become off
- 2. connect access point to your PC using cross over cable
- 3. open access point configuration page on your web browser using it default IP address 192.168.1.254, username: admin, password: admin

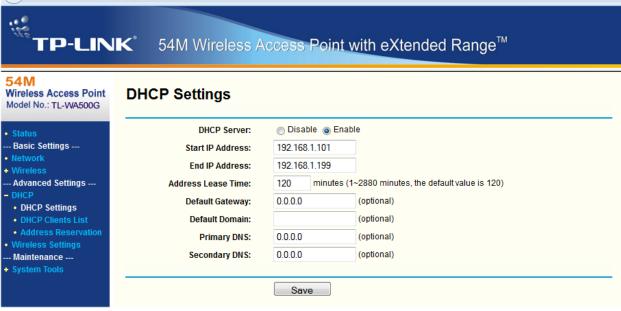




4. go to wireless/basic settings page and update SSID, Region fields, press save



5. go to DHCP page update its field as shown, press save

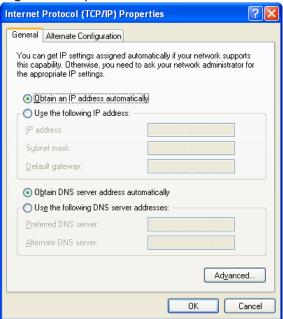


Now your access point is ready

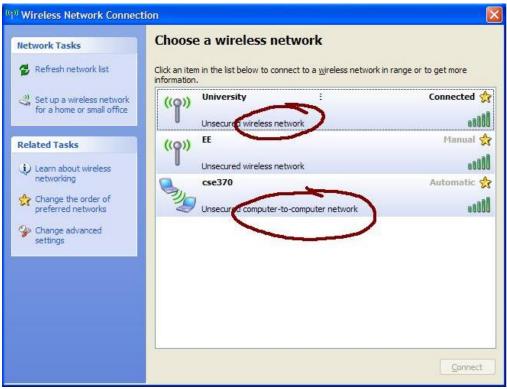


Configuring client

1. go to client pc make sure wireless network connection/TCPIP settings in automatic mode



2. Go to client PC brows the available wireless networks



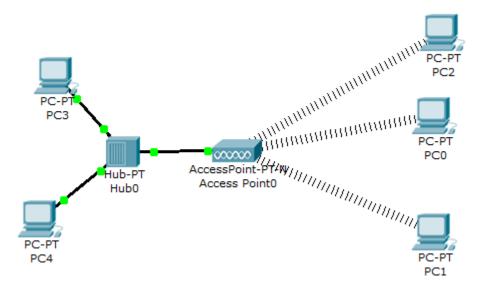


3. get ip address of connected hosts using ipconfig command

4. test connectivity between clients and access point using ping command



Part3: Wired Ethernet and Wireless Ethernet Integration (Extended service set)



- 1. connect Access point to 8 ports hub using straight through cable
- 2. connect 2 PCs to hub using straight through cables too
- 3. make sure that the wired network connection tcp/ip configuration in automatic mode.
- 4. check IP of wired clients using ipconfig command
- 5. check connectivity between wired and wireless clients using ping command

-6/7-



<u>Conclusions</u> :	
1. Wireless access point is acting as wireless hub not a wireless switch	h? Discuss?
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