

***LAB REPORT 9***

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***20P-0018***

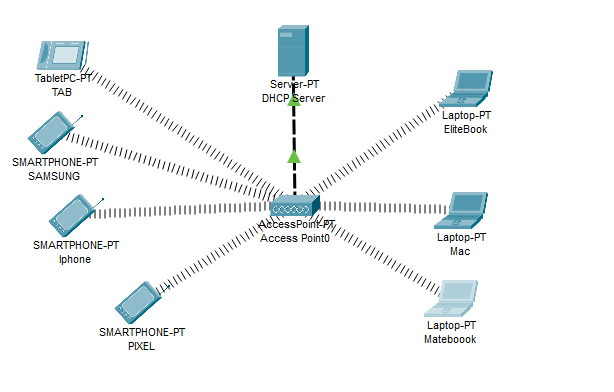
***Computer Networks***

***Sec A***

**Setting a wireless connection.**

**TASk 1:**

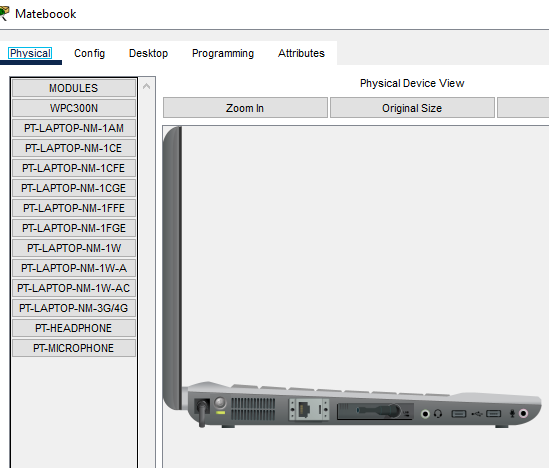
**Topology.**



**Laptops interface Card Change.**

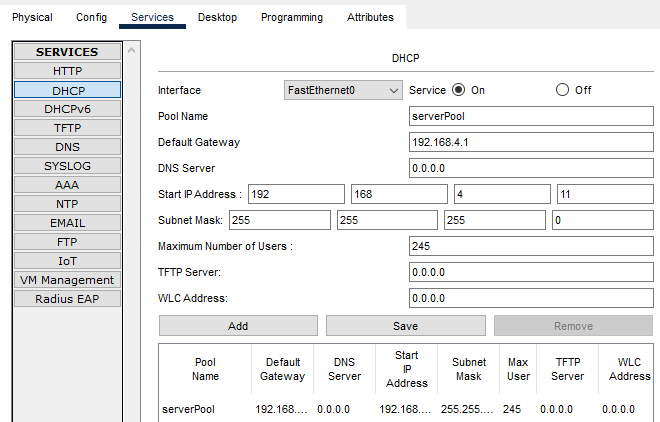
At first we are changing the interface card of our laptop from ethernet to wireless card .

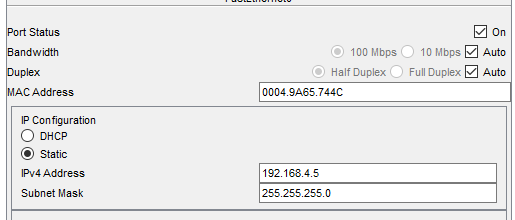
Here we are using WPC300N.



**DHCP Server.**

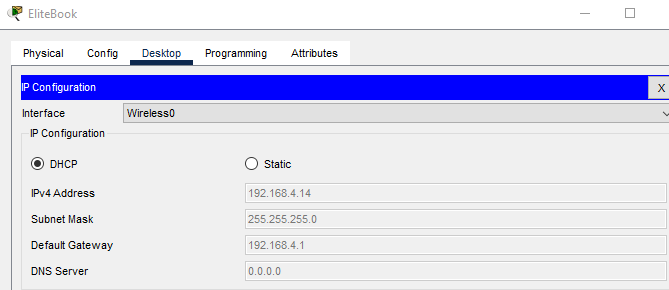
After setting up our laptop and other devices we are configuring our DHCP server and creating a Pool for our local area wireless network.

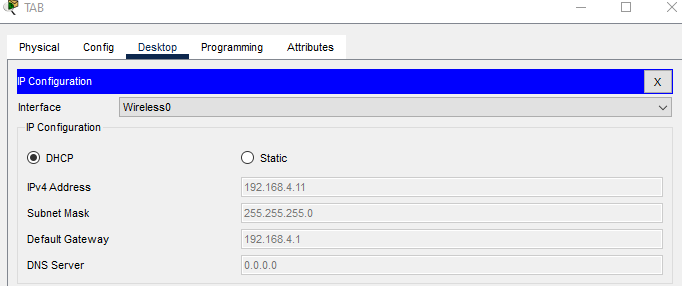


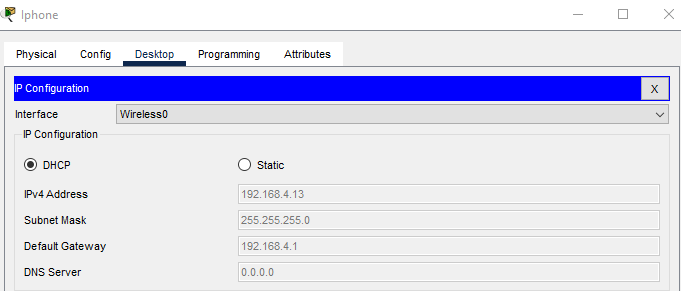


**DHCP IP’s to our Devices.**

At last we are assigning ips to our devices using DHCP.

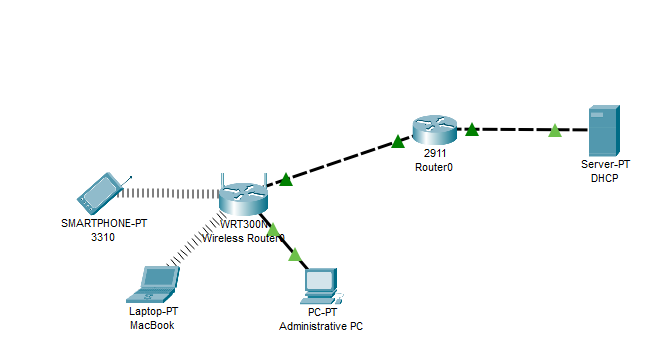




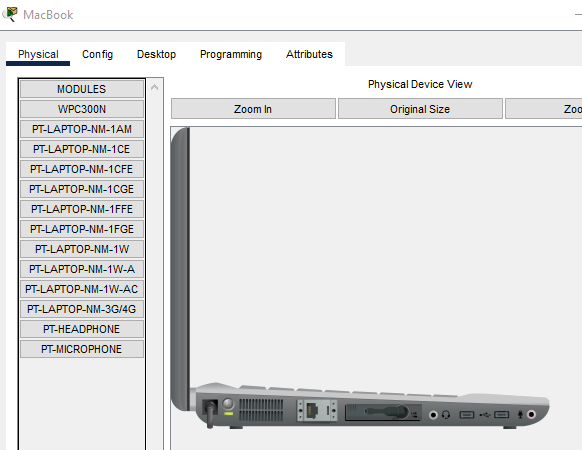


**TASK 2.**

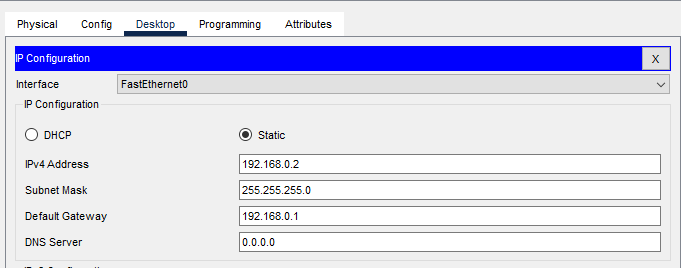
**TOPOLOGY.**



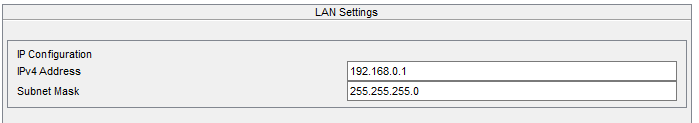
**Laptop Interface Card Change.**



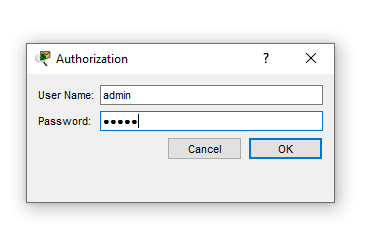
**Configuring Administrative PC .**



**Configuring Wireless Router.**

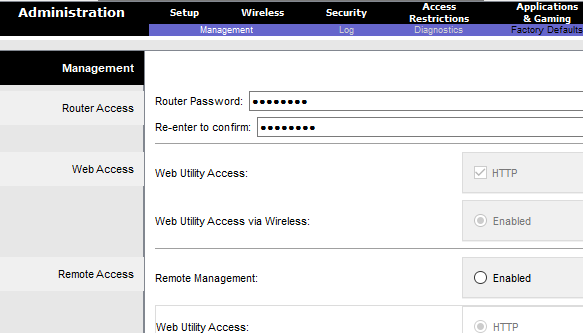


**Logging in to wireless router’s GUI TAB using administrative PC.**



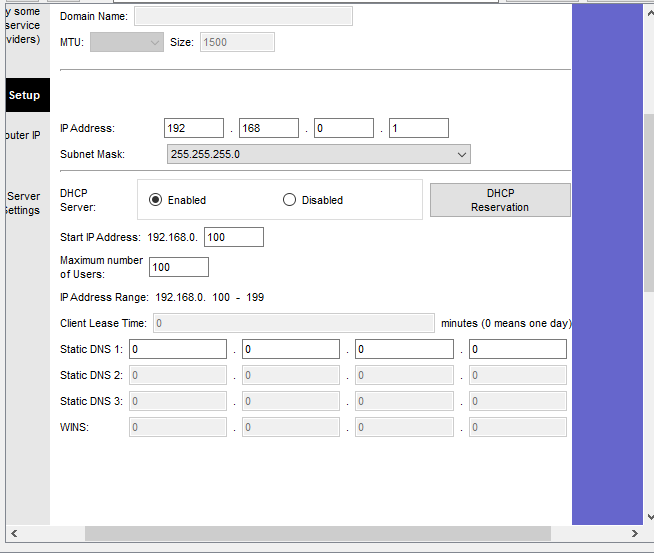
**Password Update.**

Updating wireless router’s password .

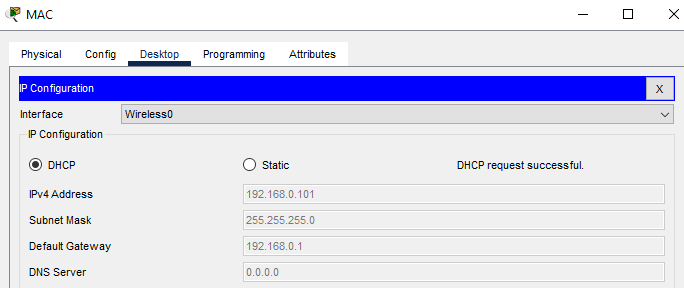




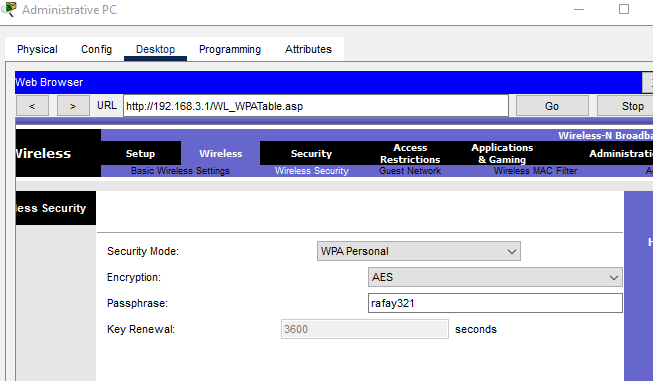
**DHCP Setting From Wireless Router’s GUI.**



Checking If our DHCP is working properly or not.



**Updating Wireless Security.**

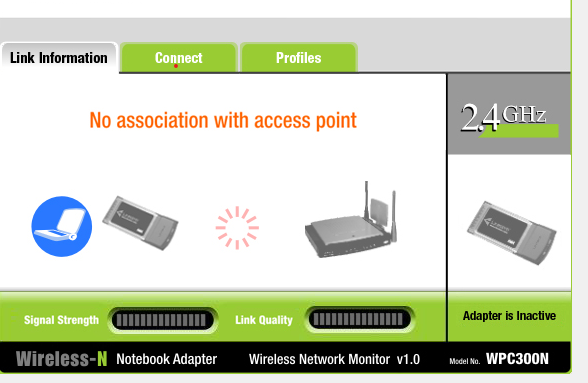


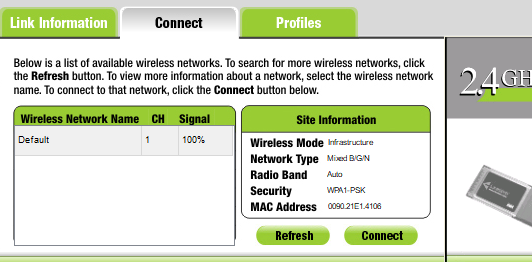
Doing so results in disconnection of our wireless connected devices.

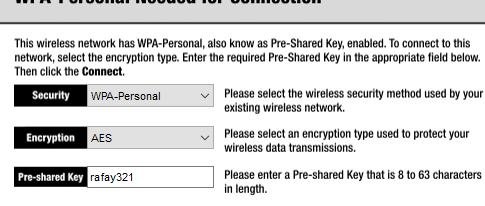
Now we have to connect them back to our network .

By Following these steps.

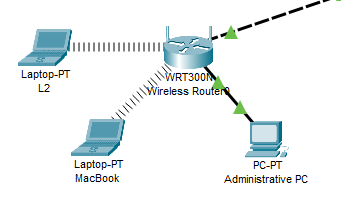
Accessing PC wireless



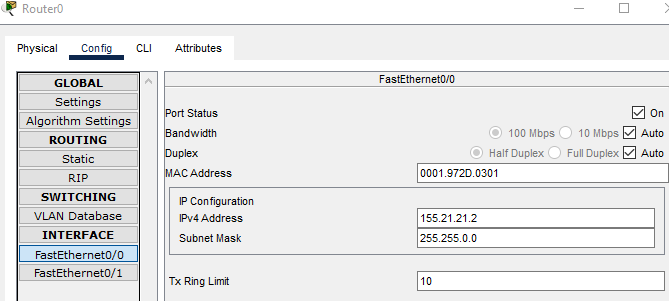




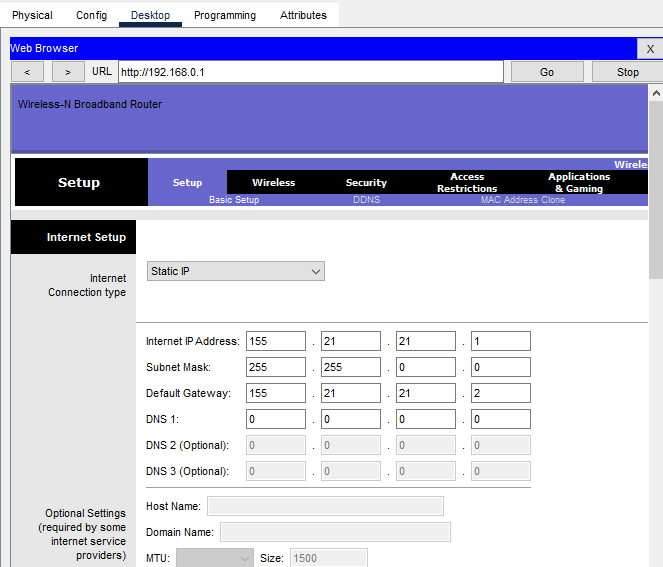
Laptops are now connected back to the network.



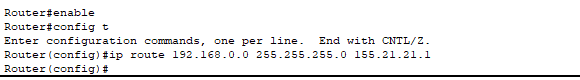
**Router0 IP CONFIG.**



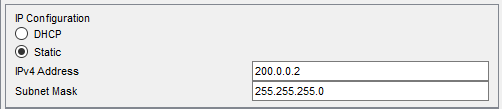
**Wireless Router Internet Port Config.**



**Static Route Setting using ISP Router CLI**



**Web Server CONFIG.**



**Finally accessing our Website using one of the PC/Laptop.**

