

PLATINUM JUBLEE

Celebrating 75 years of WCE & 20 years of Department





Walchand College of Engineering, Sangli

(Government Aided Autonomous Institute)

Department of Information Technology

Computer Networks Lab

EVEN SEMESTER AY 2021-22

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Department of Information Technology

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Experiment Number: 8

Experiment Name: Configure Wi-Fi router in CISCO packet tracer using DHCP

and Wireless Encryption Protocol

(WEP) in the local network.

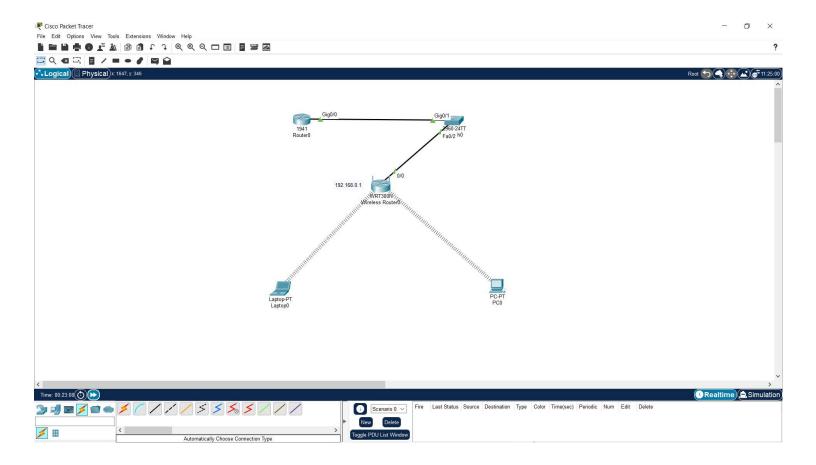
Contents:

Problem Statement : Configure Wi-Fi router in CISCO packet tracer using DHCP and Wireless Encryption Protocol (WEP) in the local network.

Platform: CISCO packet tracer

Devices Required: PC, Switch (2960-24TT), Router (1941) and Wireless Router (WRT 300N)

Design:



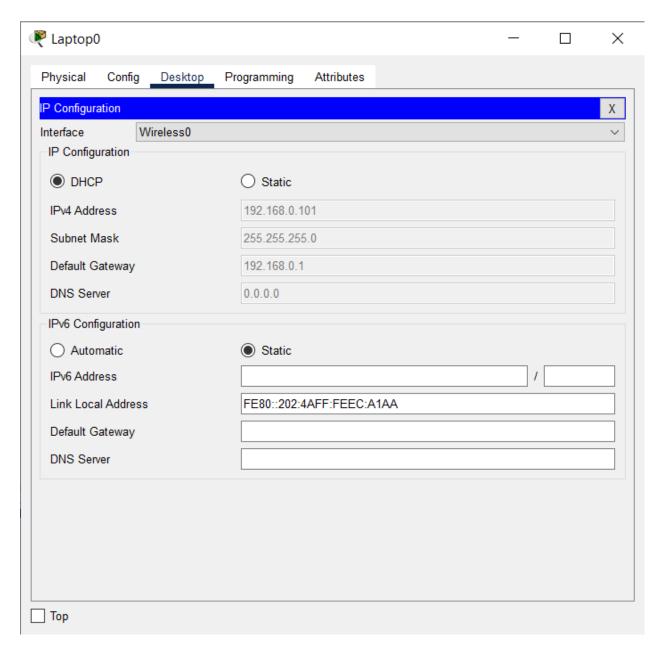
Implementation:

- i) Create the topology as shown in the above image.
- ii) After creating the topology add WPC300N to the laptop and WMP300N to the computer

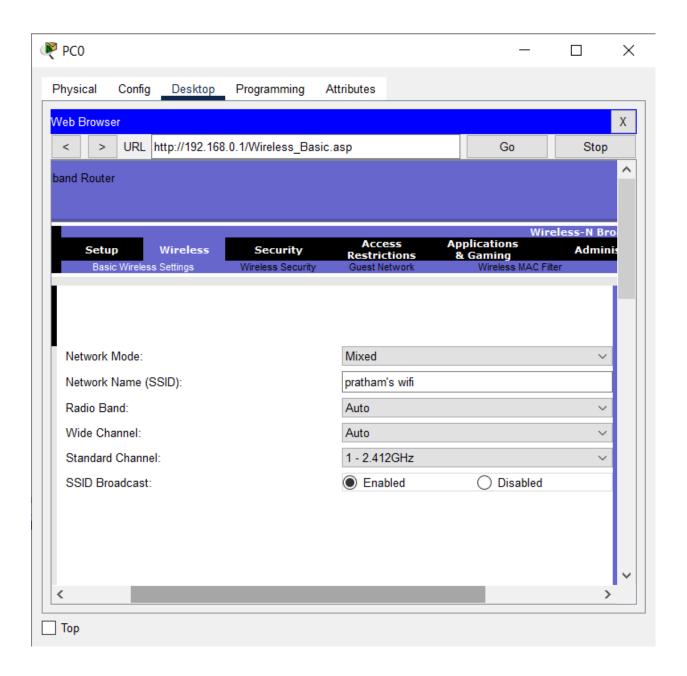




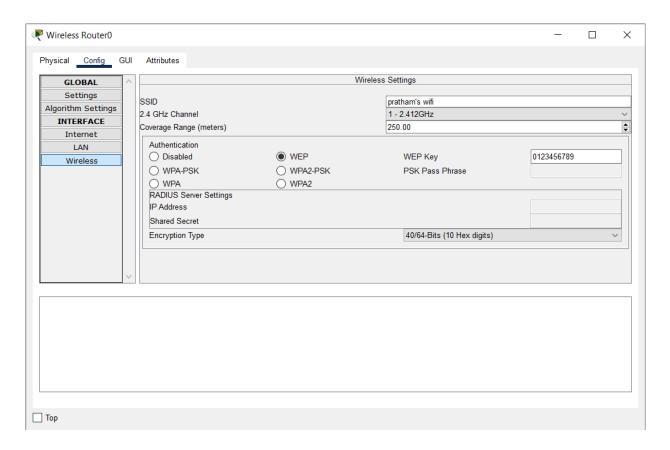
iii) Dynamically give the IP addresses to the end devices using DHCP.



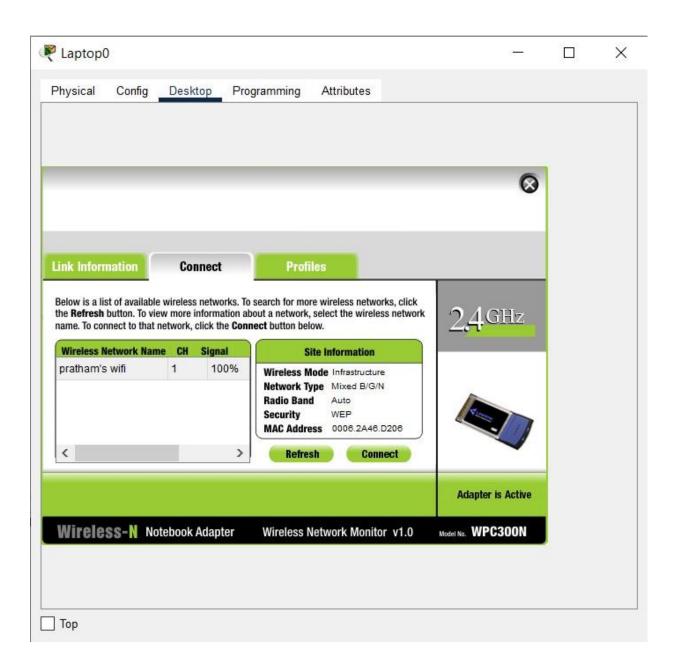
iv) Connect with the wifi using the web browser of the end devices and give SSID to the wifi.

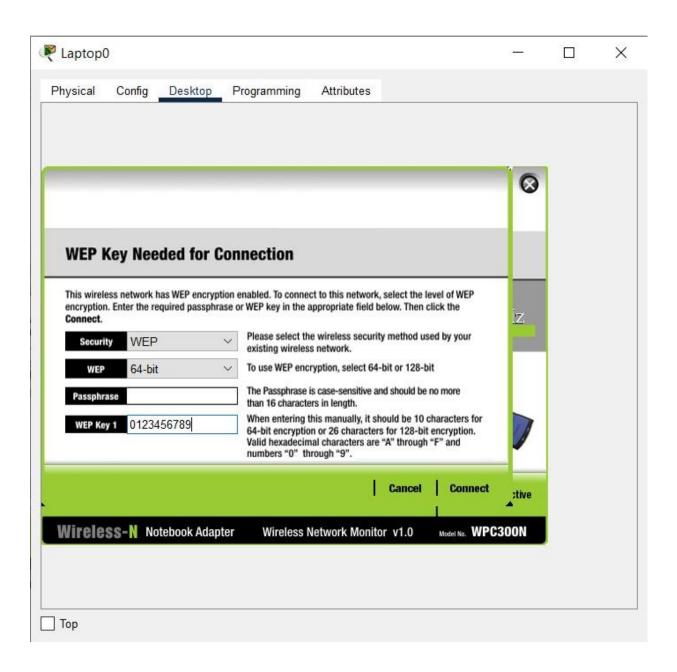


v) Enter into the wifi and give the security key to it.



vi) Connect the end devices with wifi by entering the key.





Results: Wifi router uses wireless medium to transmit data	a, end users
must have wifi modules in them to connect with the wifi.	
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	(Course Teacher)