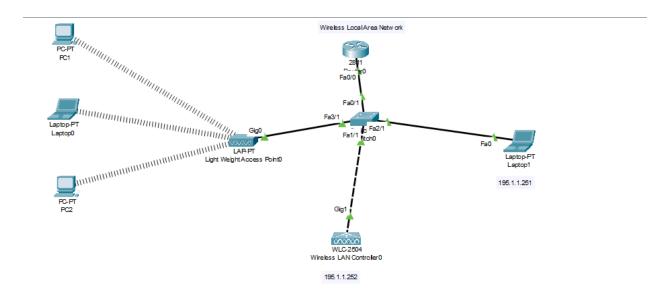
# **WLAN Setup:**

A WLAN (Wireless Local Area Network) is a type of local area network that uses wireless communication (radio waves, typically Wi-Fi) instead of cables to connect devices such as laptops, smartphones, printers, and IoT devices within a limited area (like a home, office, school, or campus).



### **Wireless Devices:**

- 1. WLAN Controller 2504
- 2. LAP PT
- 3. Management Laptop
- 4. Switch

## Router setup:

enable

config t

hostname R1

int fa 0/0

IP address 195.1.1.250 255.255.255.0

no sh

exit

Router>en

Router#show ip int brief

Interface IP-Address OK? Method Status Protocol
FastEthernet0/0 195.1.1.250 YES manual up up
FastEthernet0/1 unassigned YES unset administratively down down
Vlan1 unassigned YES unset administratively down down
Router#

#### **Router as DHCP:**

config t

ip dhcp pool A (A is just a name)

network 195.1.1.0 255.255.255.0 (0 to 255 range to share ips)

dedult-router 195.1.1.250 (gateway, jis interface par ya ip hai ussay is subnet mask mai sai IP dena)

dns-server 8.8.8.8

exit

#### **Exclude IPs:**

config t

ip dhcp excluded-address 195.1.1.240 195.1.1.254 ( ya ip range sai nikal kar humnay reserve kiya hain)

### WLC:

WLC→ config→ management

ip add 195.1.1.252

subnet default gateway 195.1.1.250 DNS 8.8.8.8

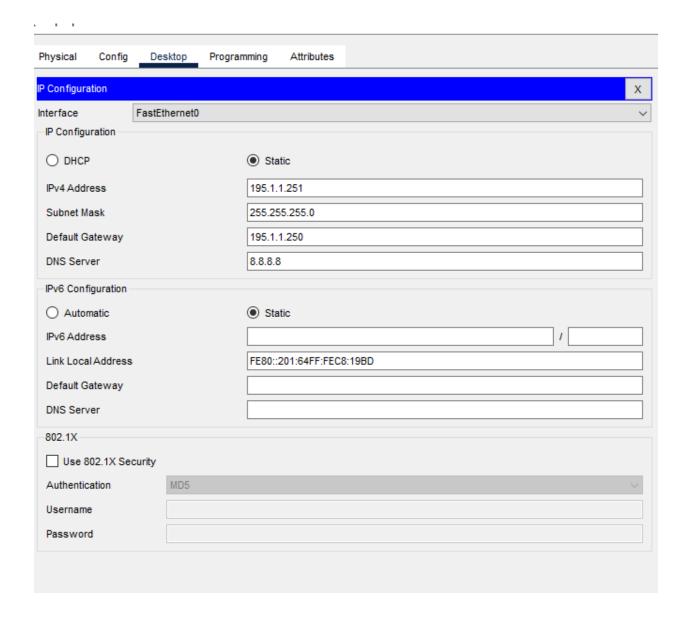
## **Management Laptop**

IP address 195.1.1251

Gateway 195.1.1.250

DNS server 8.8.8.8

ping from PC to WLC\*



## Web browser on Management Laptop:

It has default IP 195.1.1.252

#### create admin acc

user: Admin

pass: Admin123

c.pass:Admin123

start

System name: Corvit

Company name: corvit students

Management IP 195.1.1.252

SUBNET 255.255.255.0

GATEWAY 195.1.1.250

Management VLAN ID 0 (let it zero for automatic config)

next

network name: network (it is SSID)

Security WAP2 personal

Passphrase: @beer@6K

same pass: @beer@6K

next

virtual ip address= dont change

next

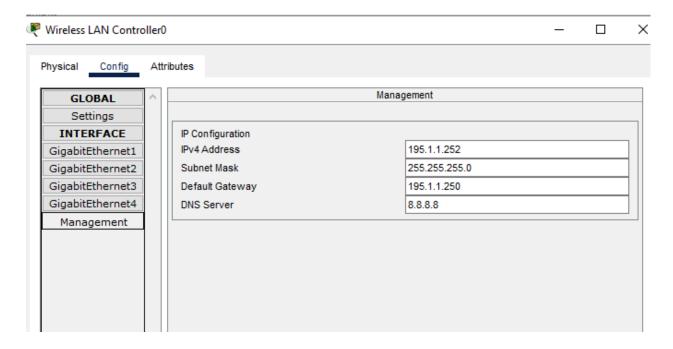
apply

ok

close window

cmd

ping 195.1.1.252



# LAP\_PT

just plug in the wire and next off

#### PC

off → card remove → wifi card → on

physical

config

wireless

wpa2 personal WPA2/PSK

SSID: network

paraphrase:@beer@6K

**IP** Config

**DHCP** 

Static

Laptop

