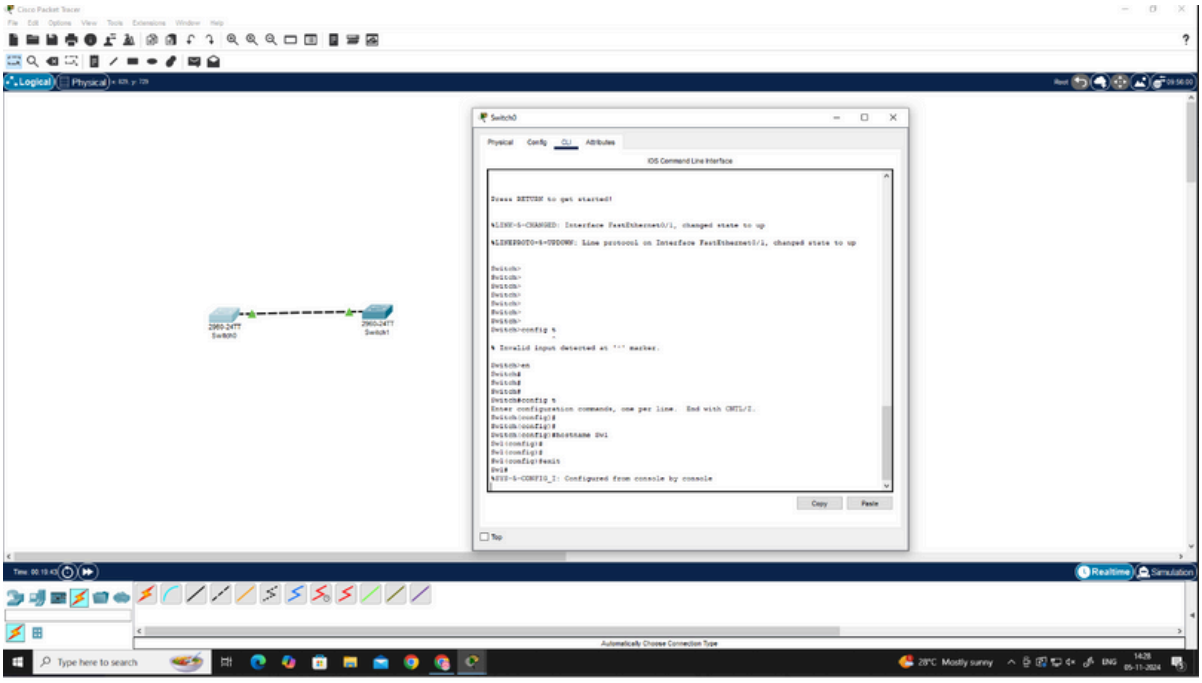
EXPERIMENT – 8

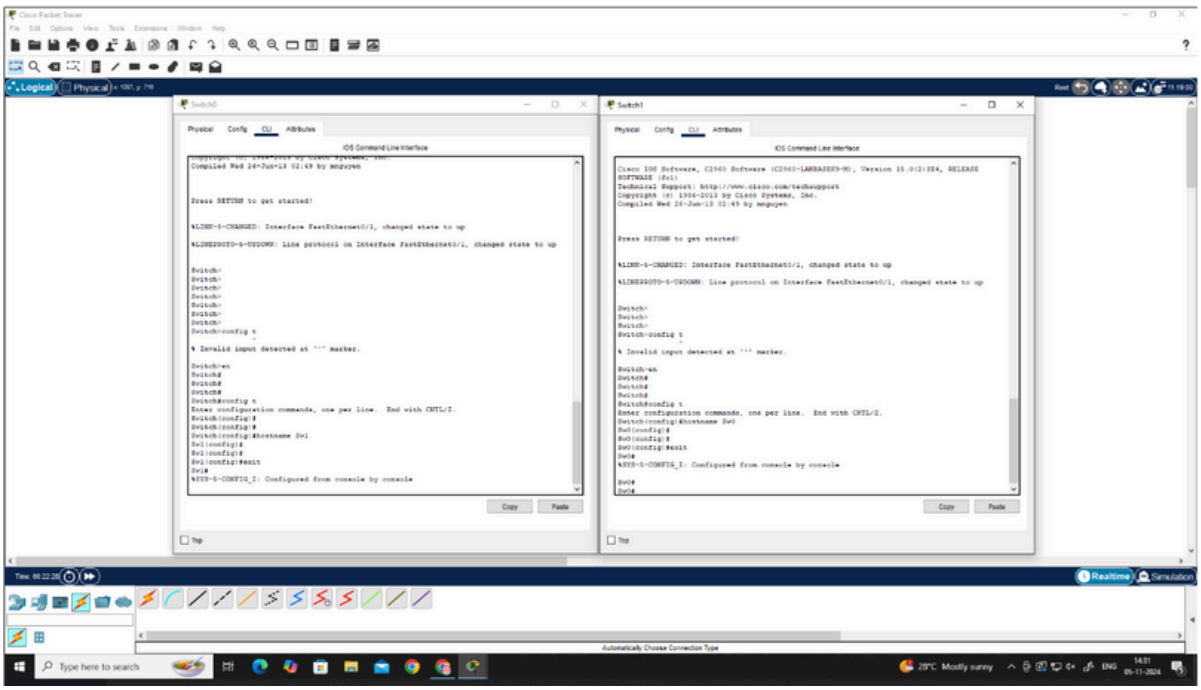
AIM: - a) Simulate Virtual LAN configurationusing CISCO Packet Tracer Simulation.

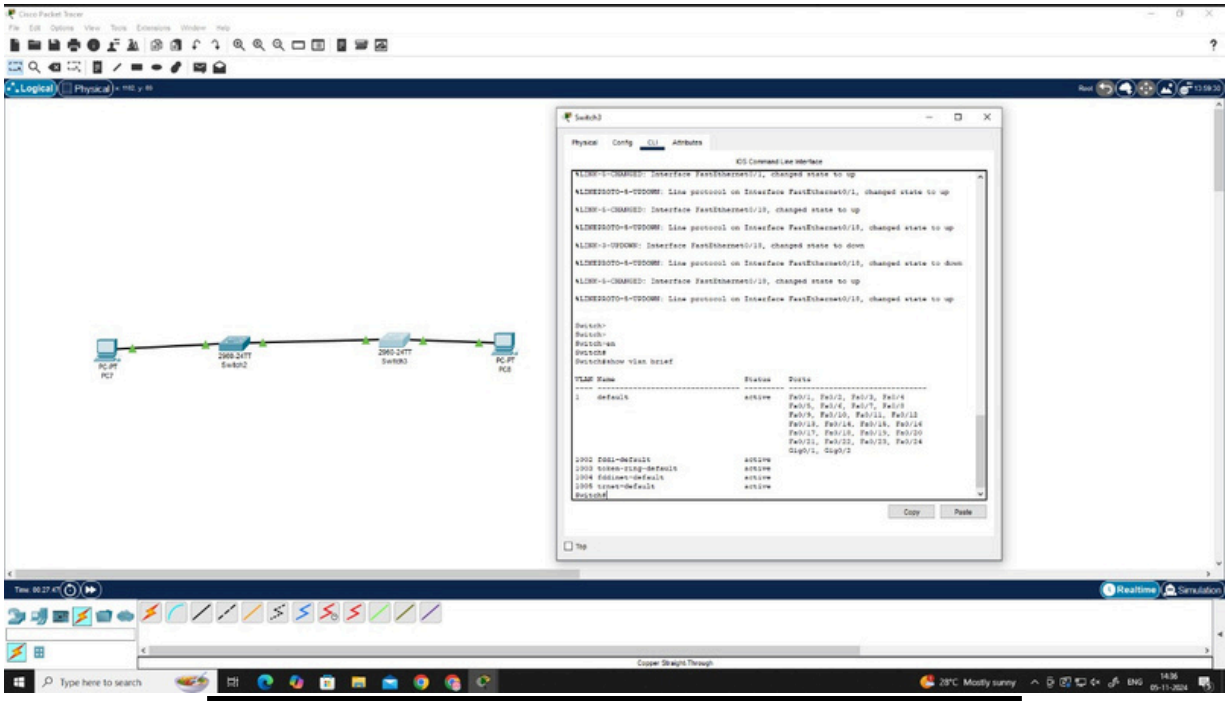
Steps:

Step 1: Build the network as shown in the topology.
Step 2: Configure basic settings for each switch.
Step 3: Configure PC hosts.
Step 4: Test connectivity.

OUTPUT: -







RESULT: -

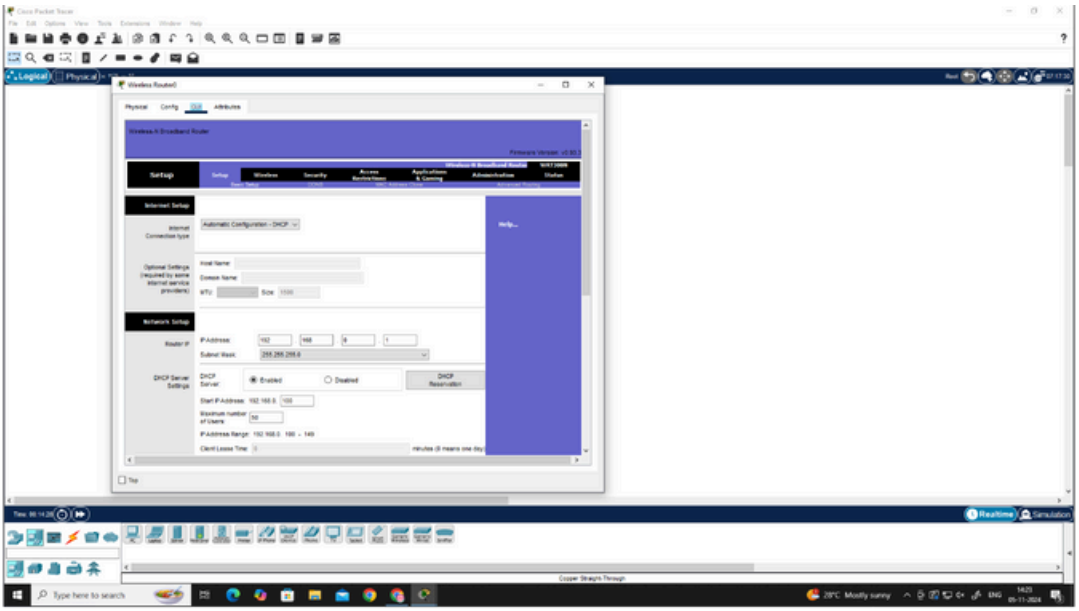
Simulation of virtual LAN configuration have been done successfully.

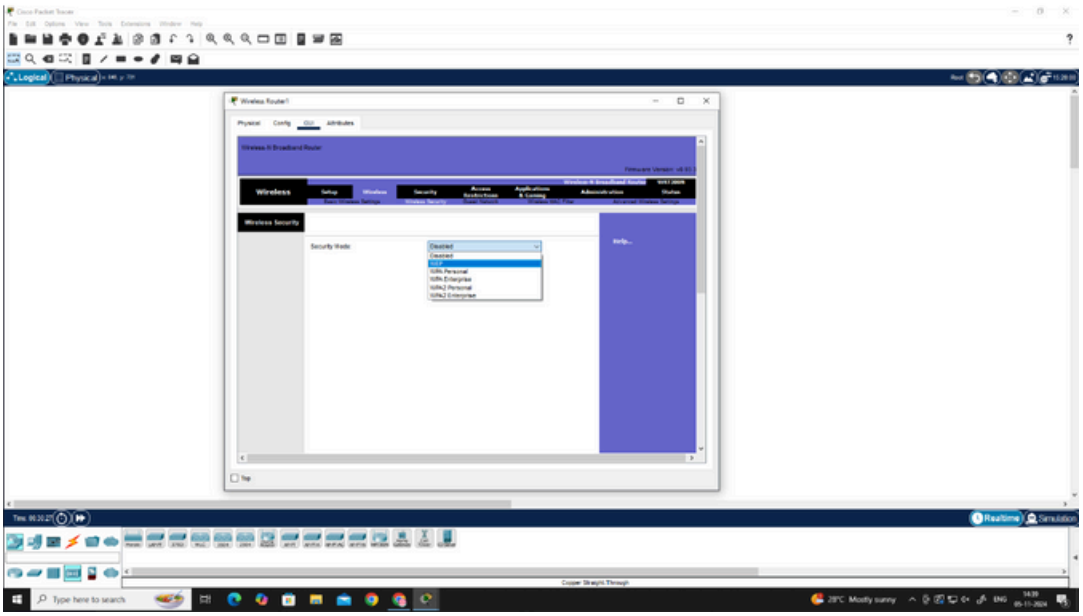
AIM: - b) Configuration of Wireless LAN using CISCO Packet Tracer.

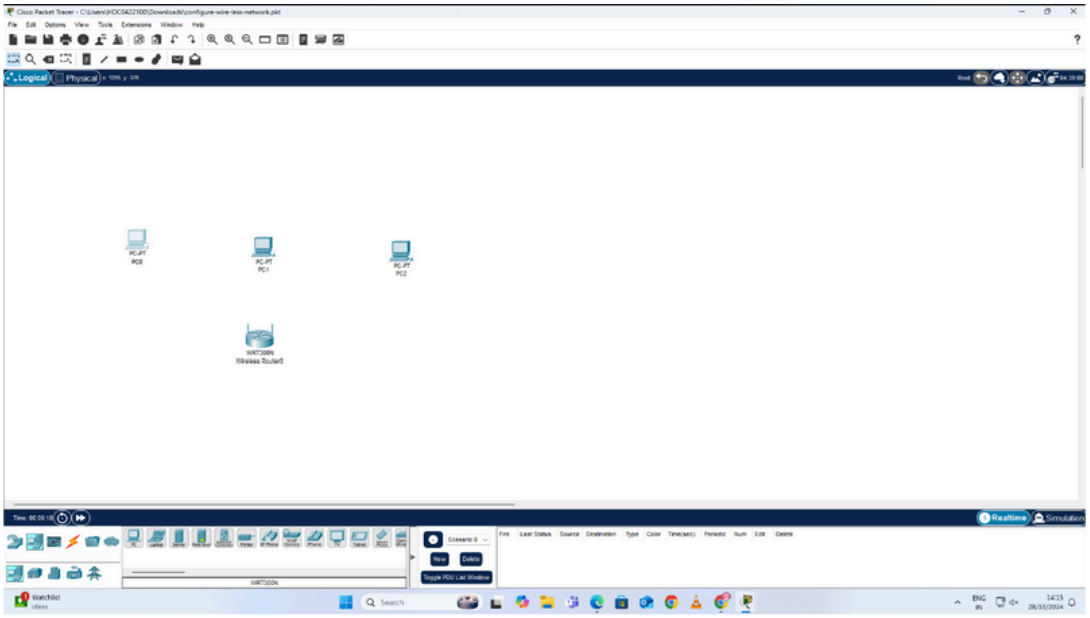
Steps:

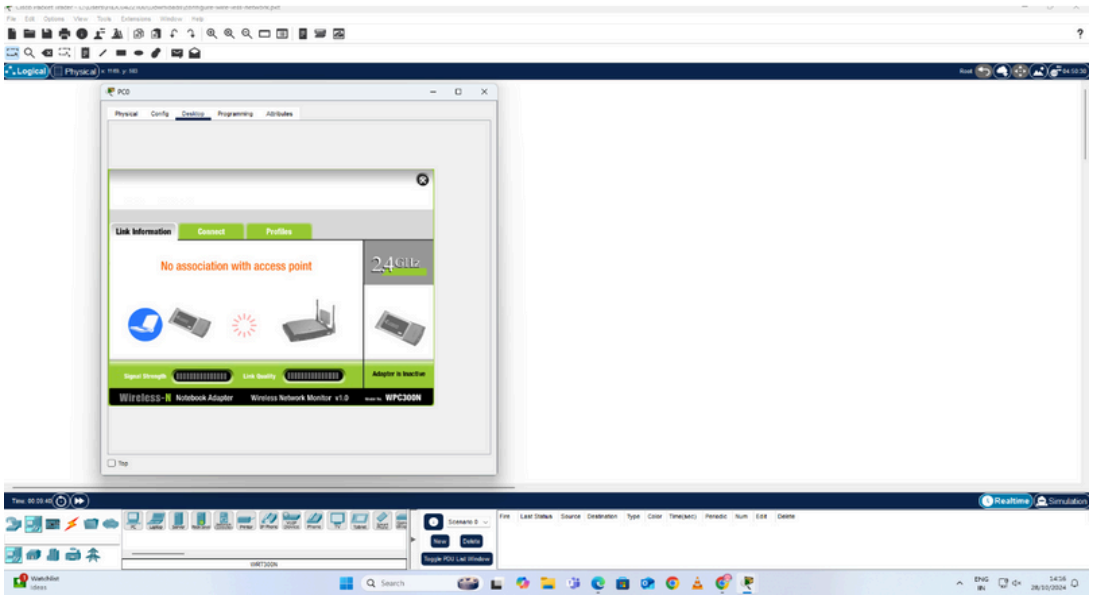
Configure Static IP on PC and Wireless Router
Set SSID to MotherNetwork
Set IP address of router to 192.168.0.1, PC0 to 192.168.0.2, PC1 to 192.168.0.3 and PC2 to 192.168.0.4.
Secure your network by configuring WAP key on Router
Connect PC by using WAP key

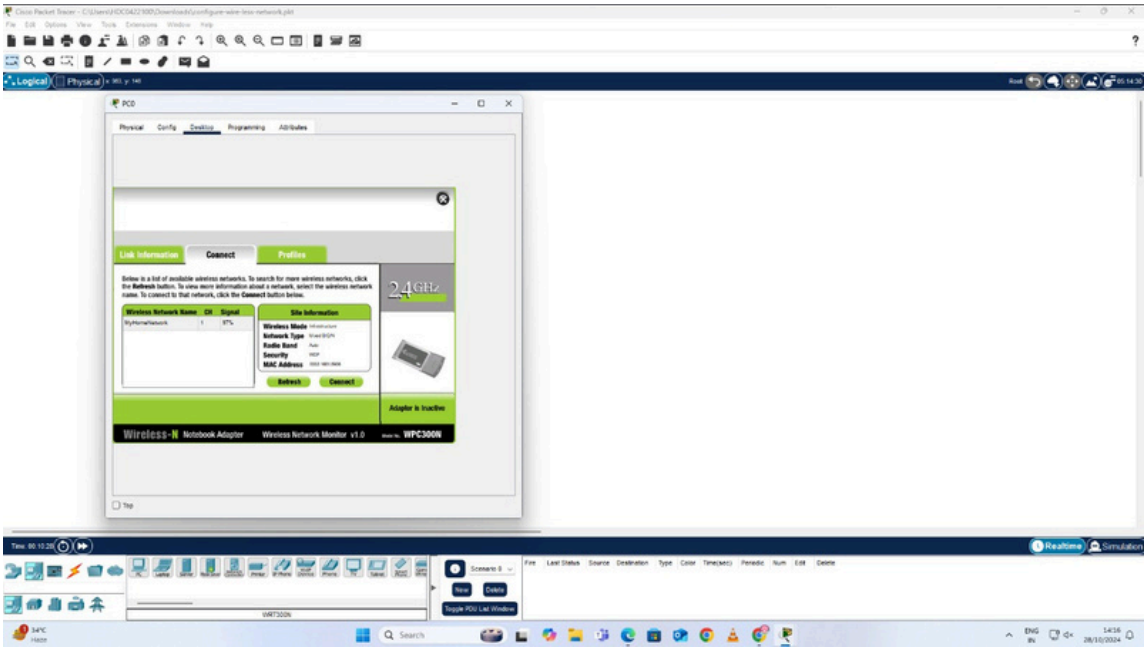
OUTPUT: -

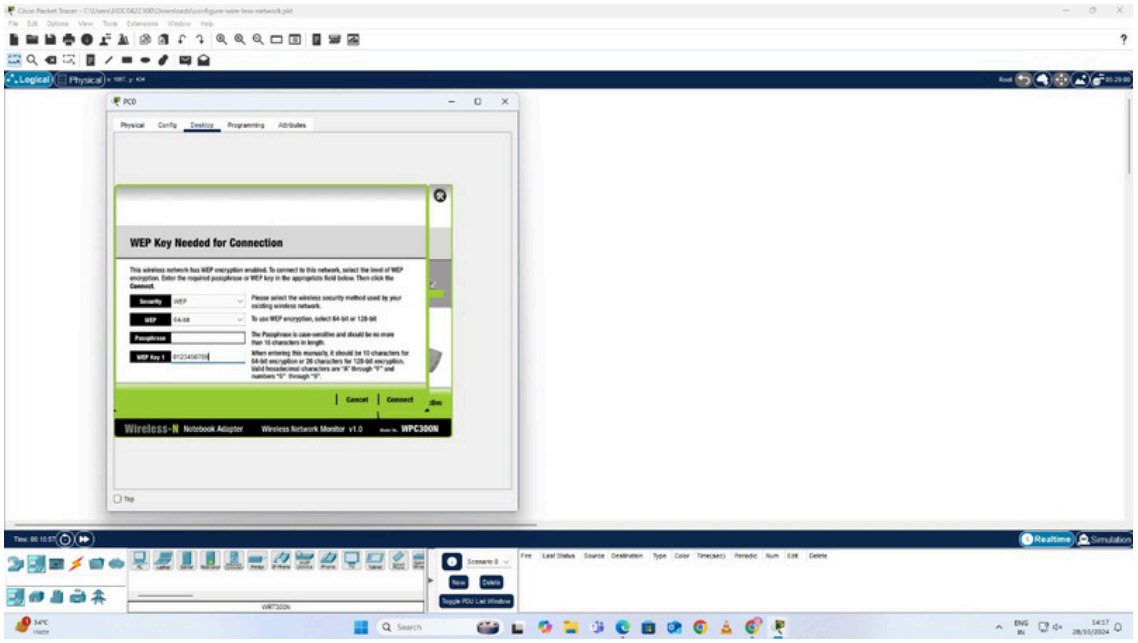


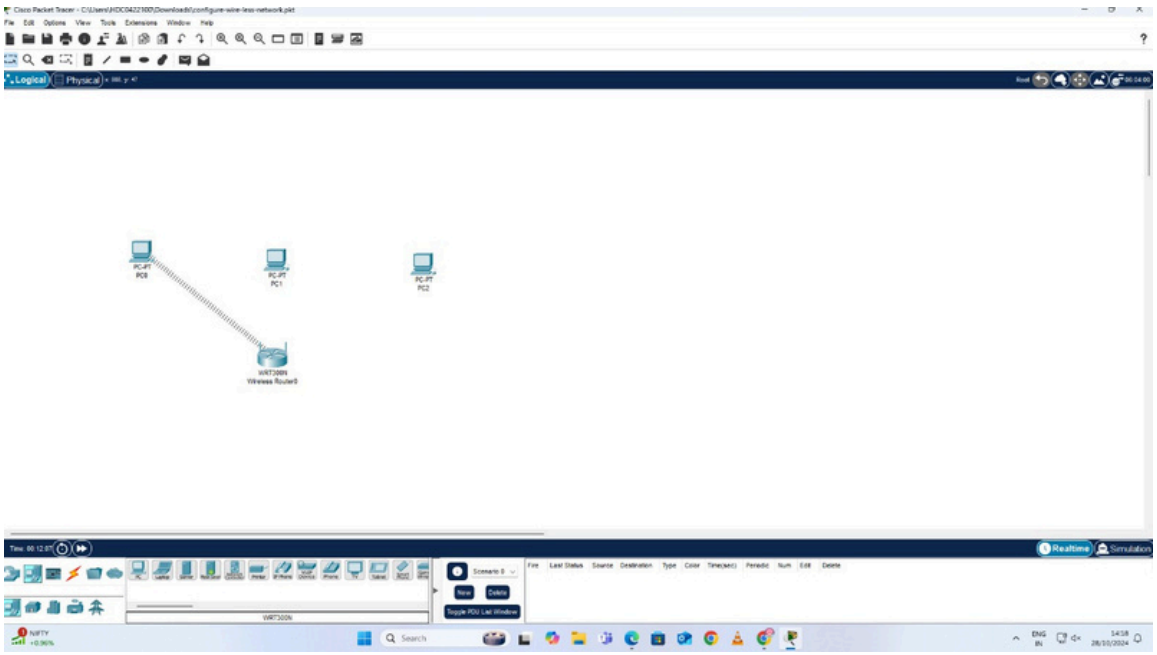


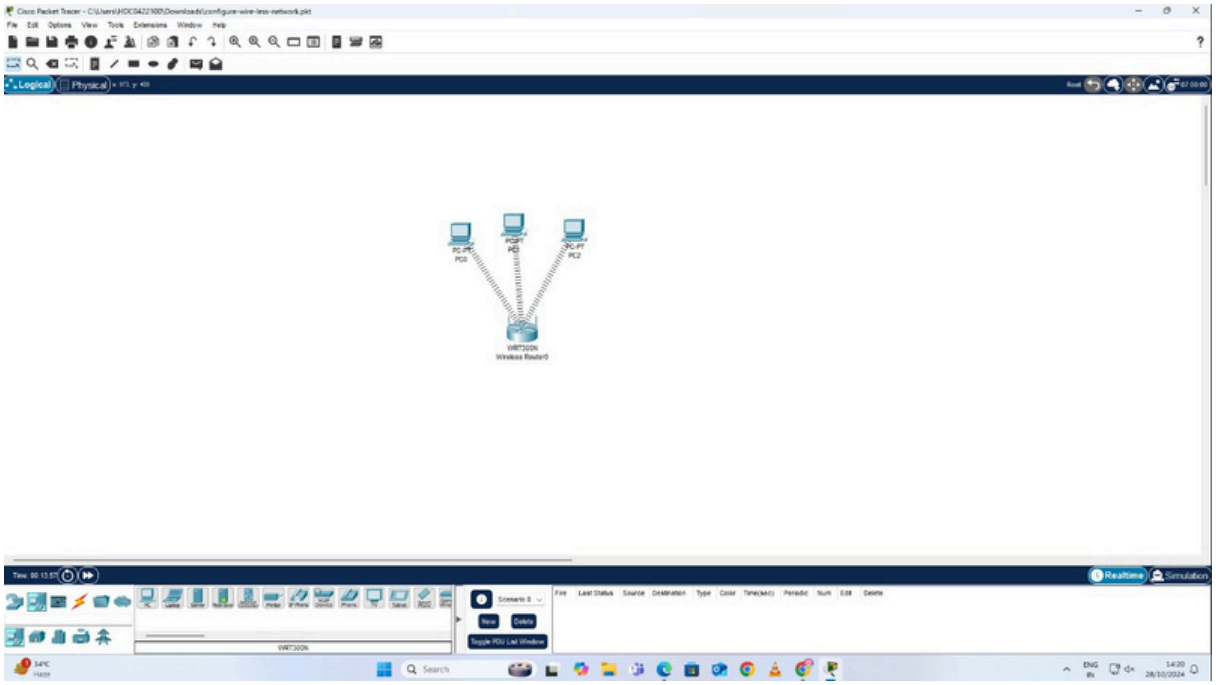



PC0
Physical
Config
Desktop
Programming
Attributes
Link Information
Connect
Profiles
No association with access point
2.4GHz
Signal Strength
Link Quality
Adapter is Inactive
Wireless-N Notebook Adapter
Wireless Network Monitor v1.0
WPC300N
Top


PC0
Physical
Config
Desktop
Programming
Attributes
Link Information
Connect
Profiles
Below is a list of available wireless networks. To search for more wireless networks, click the Refresh button. To view more information about a network, select the wireless network name. To connect to that network, click the Connect button below.
Wireless Network Name
CH
Signal
MyHomeNetwork
1
97%
Site Information
Wireless Mode
Network Type
Radio Band
Security
MAC Address
Refresh
Connect
2.4GHz
Adapter is Inactive
Wireless-N Notebook Adapter
Wireless Network Monitor v1.0
WPC300N
Top


PC0
Physical
Config
Desktop
Programming
Attributes
WEP Key Needed for Connection
Security
WEP
Passphrase
WEP Key 1
Cancel
Connect
Wireless-N Notebook Adapter
Wireless Network Monitor v1.0
WPC300N
Realtime
Simulation


PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
WRT300N
Wireless Router0
Realtime
Simulation



RESULT: -

Configuration of Wireless LAN using CISCOPacket Tracer have been done successfully and verified.