

## EXPERIMENT – 8

**AIM:** - a) Simulate Virtual LAN configuration using CISCO Packet Tracer Simulation.

### Steps:

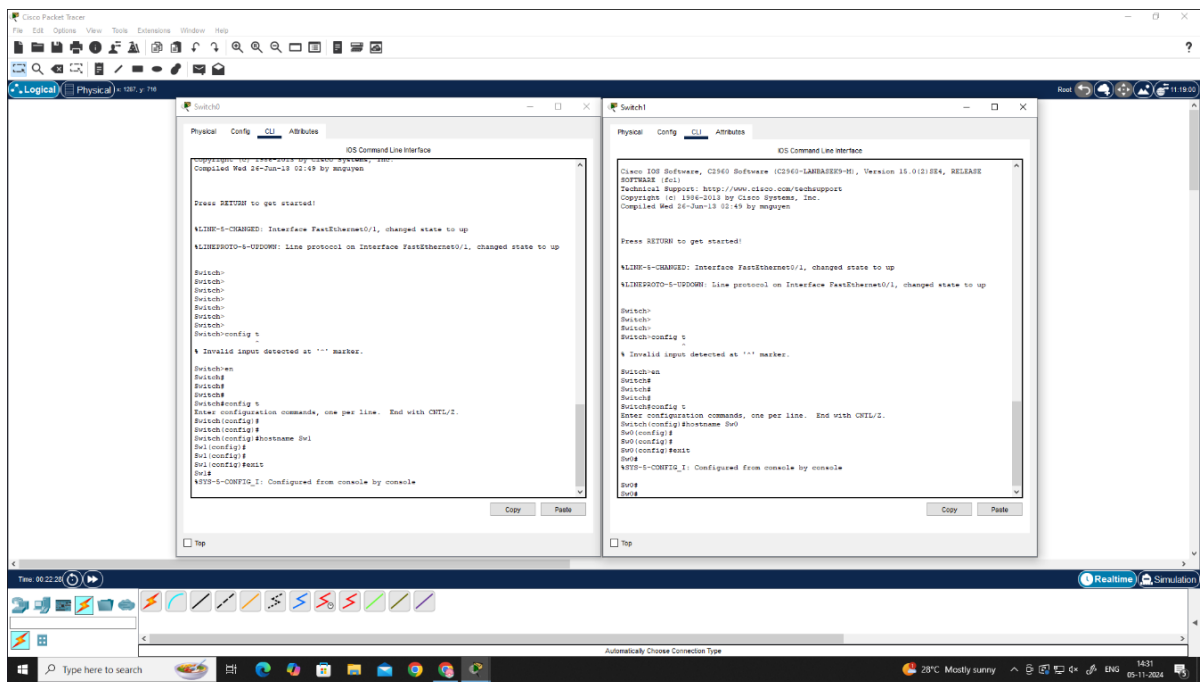
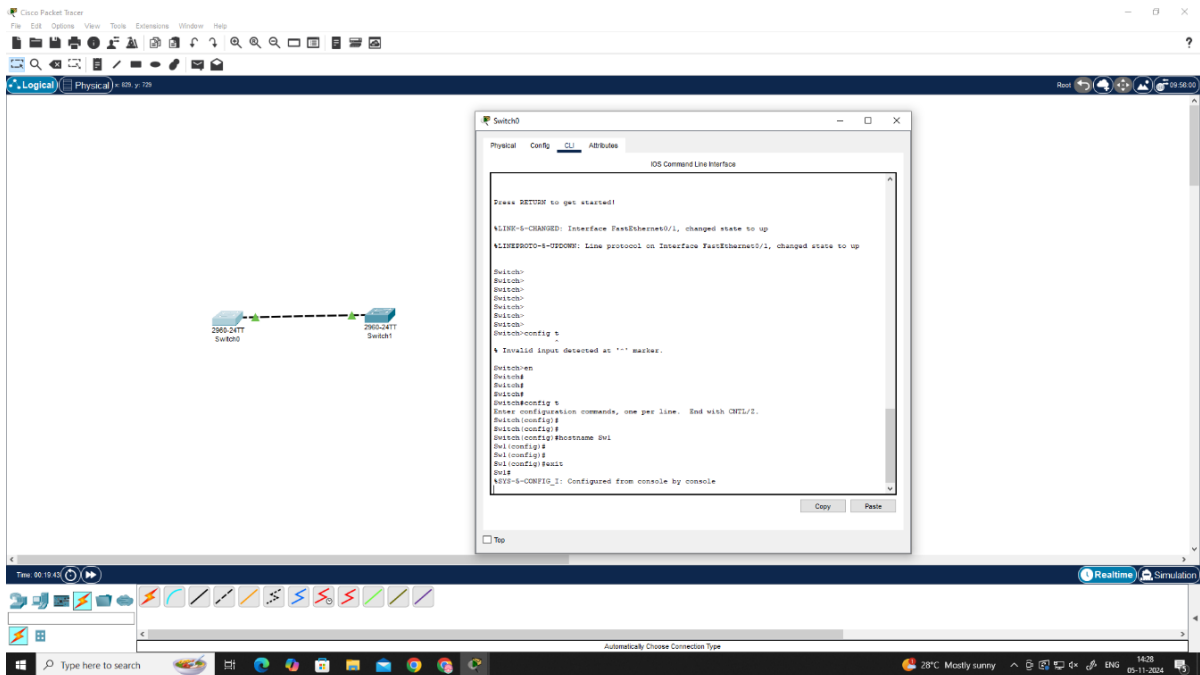
Step 1: Build the network as shown in the topology.

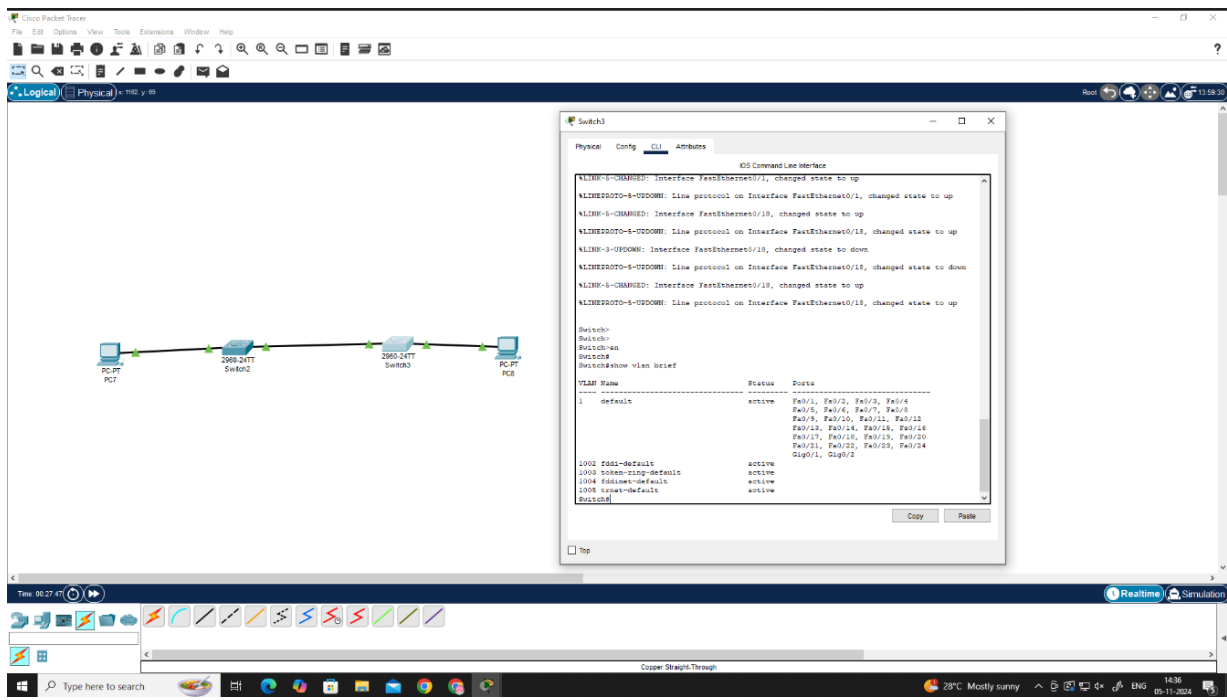
## Step 2: Configure basic settings for each switch.

### Step 3: Configure PC hosts.

Step 4: Test connectivity.

**OUTPUT: -**





## **RESULT: -**

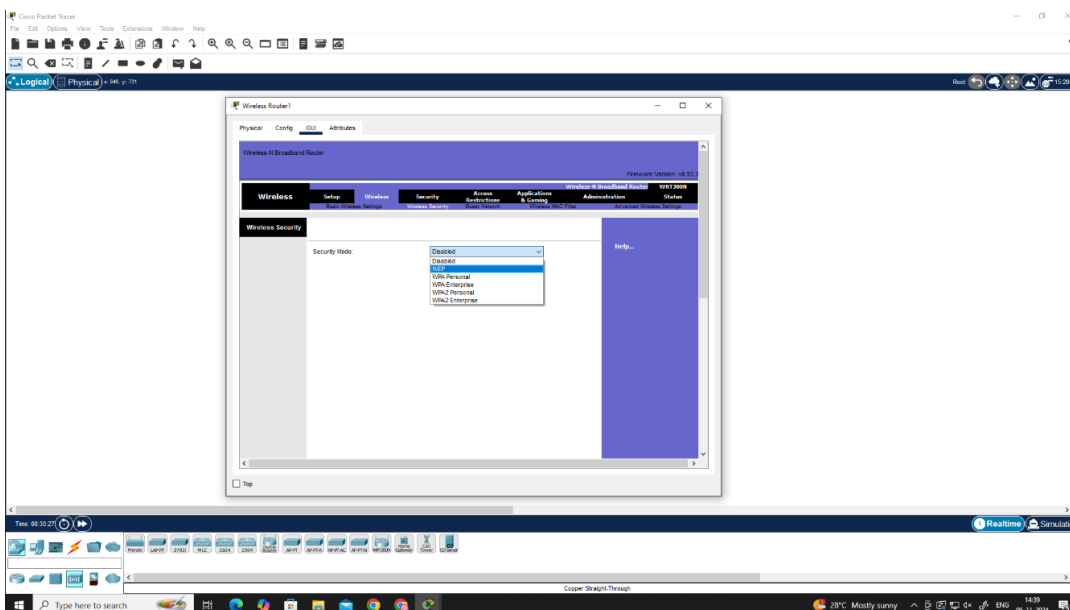
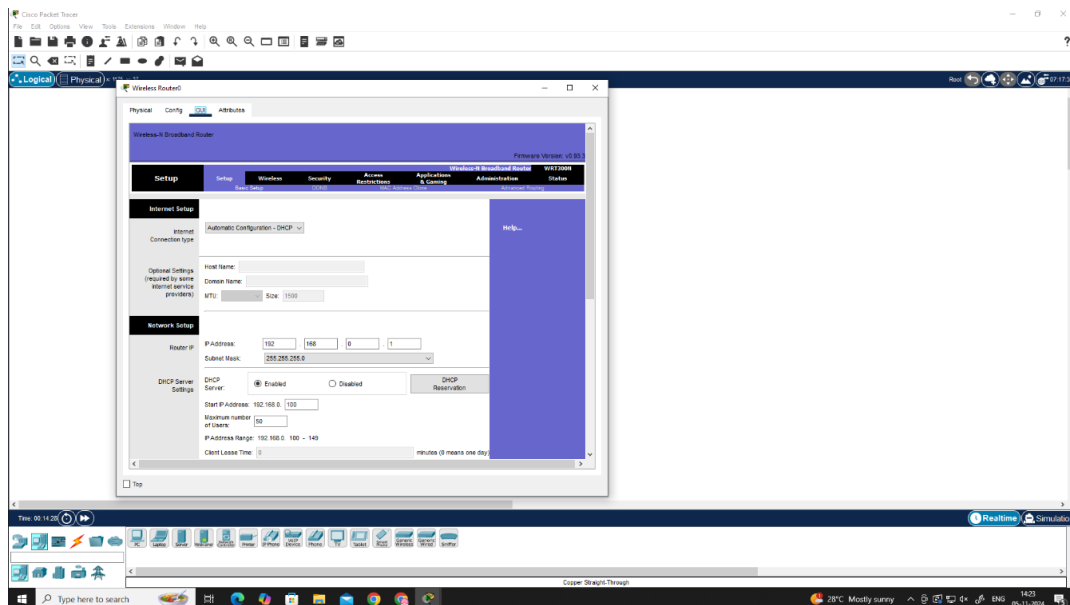
Simulation of virtual LAN configuration have been done successfully.

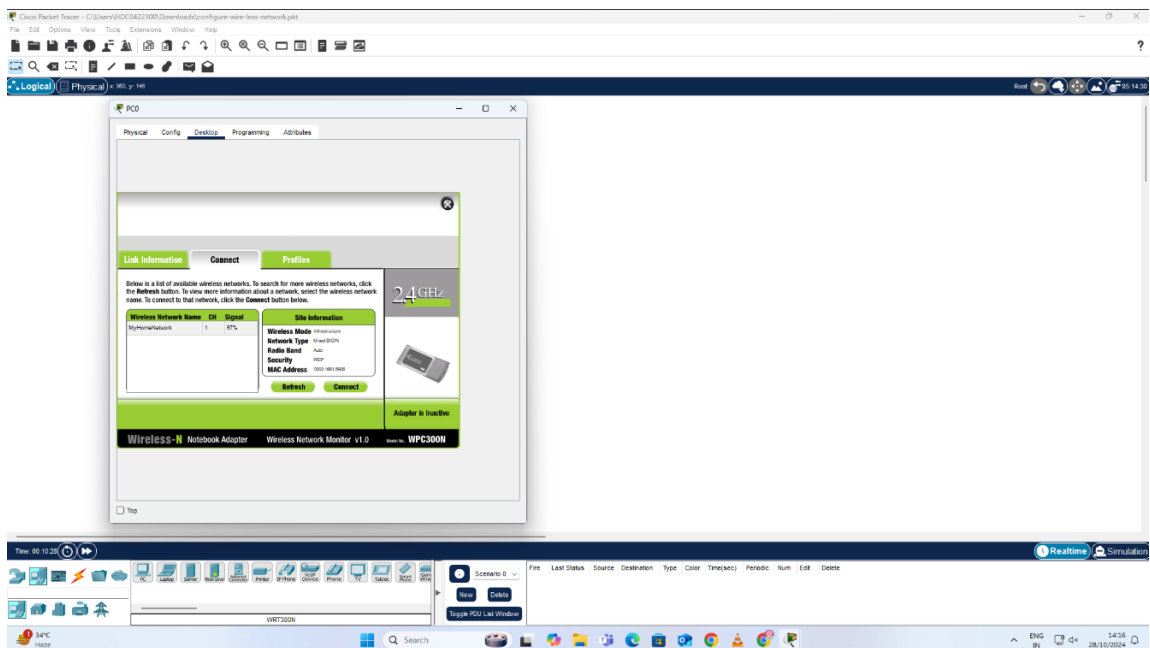
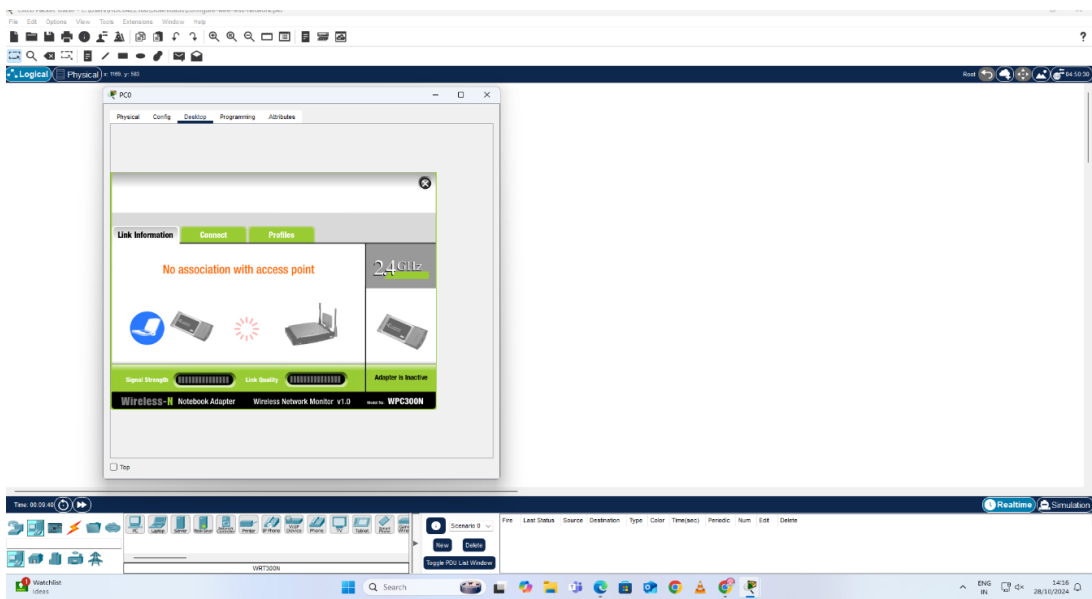
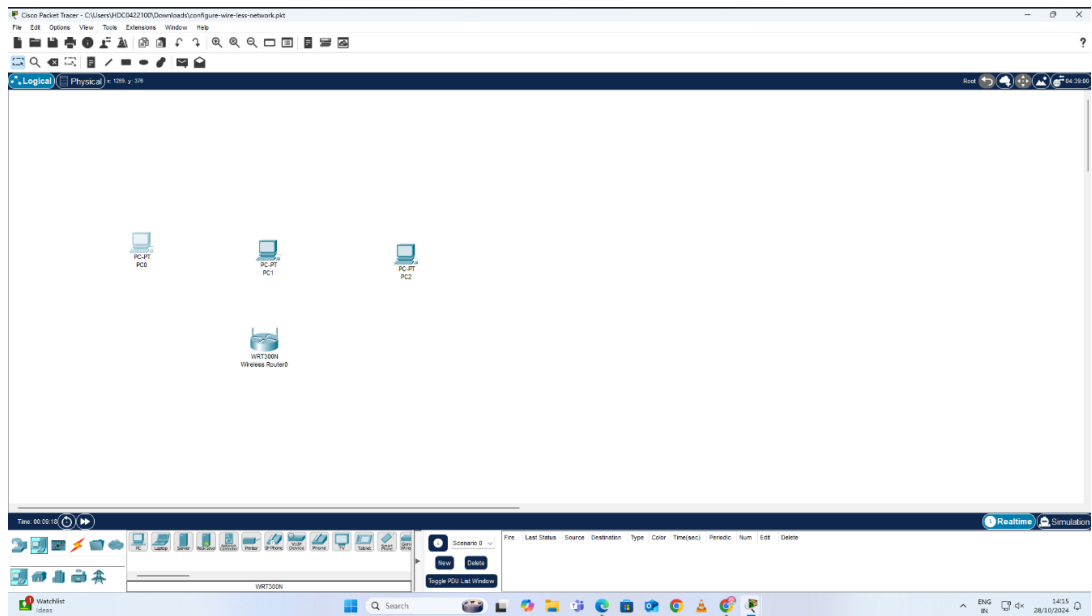
## AIM: - b) Configuration of Wireless LAN using CISCO Packet Tracer.

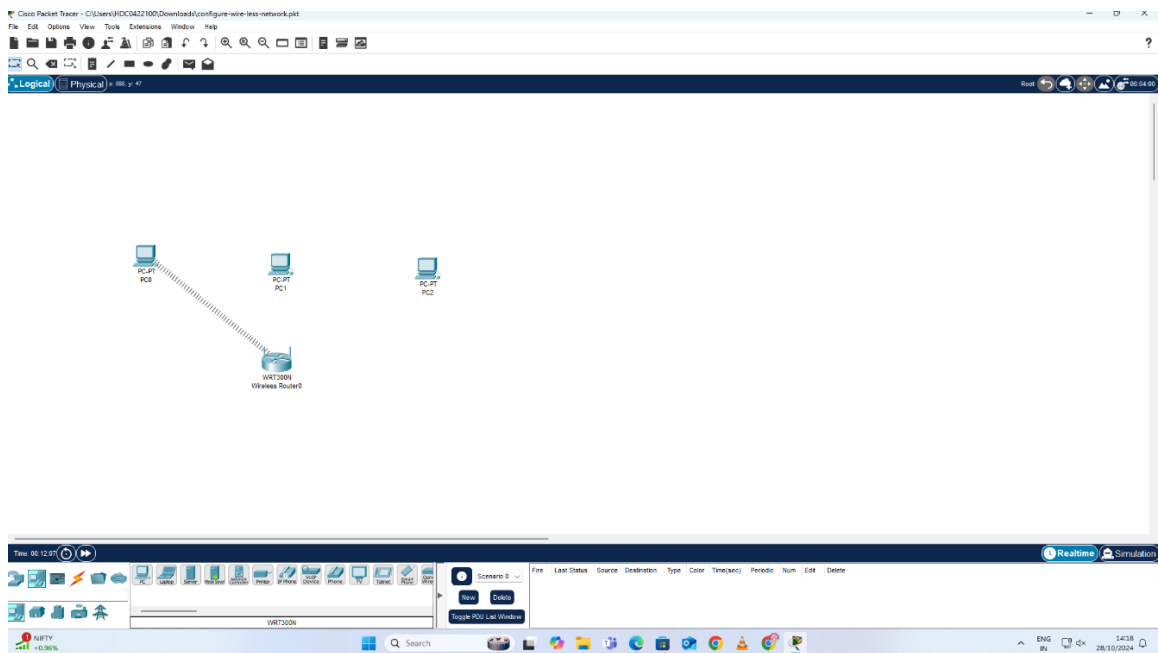
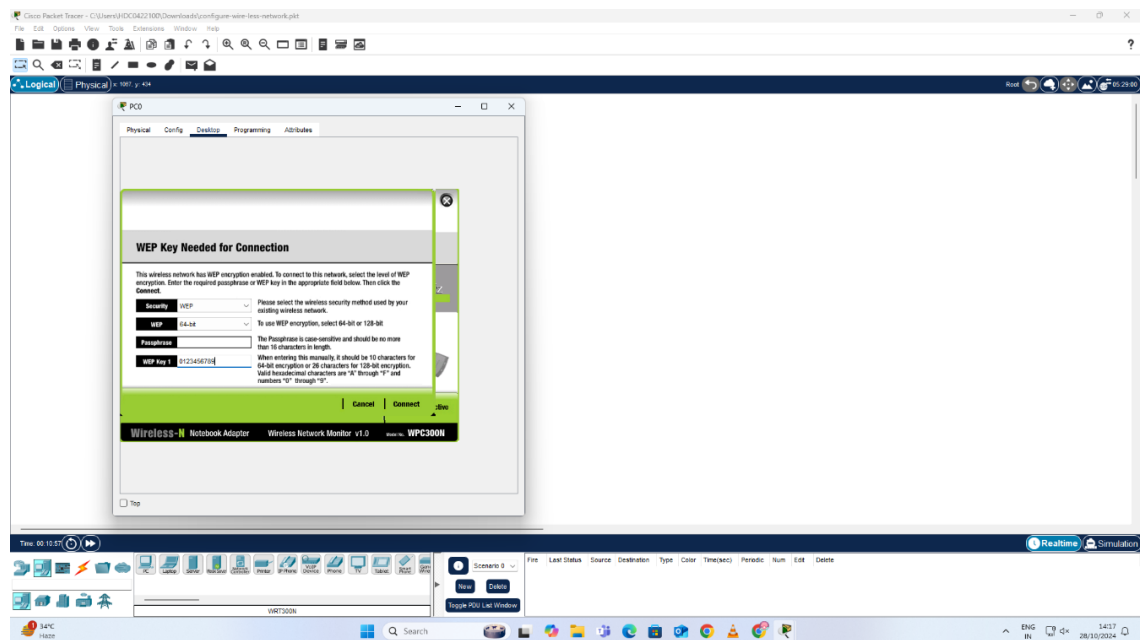
### Steps:

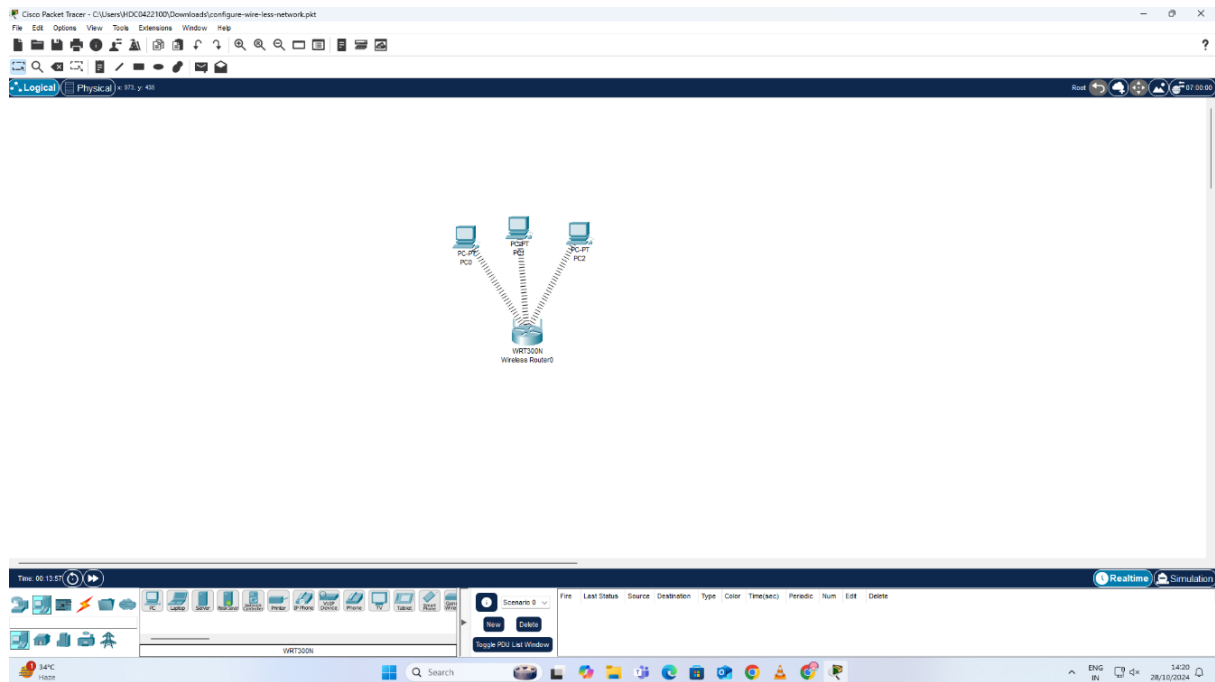
- Configure Static IP on PC and Wireless Router
- Set SSID to MotherNetwork
- Set IP address of router to 192.168.0.1, PC0 to 192.168.0.2, PC1 to 192.168.0.3 and PC2 to 192.168.0.4.
- Secure your network by configuring WAP key on Router
- Connect PC by using WAP key

### OUTPUT: -









## **RESULT: -**

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