

## EXPERIMENT – 8

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

### **Steps:**

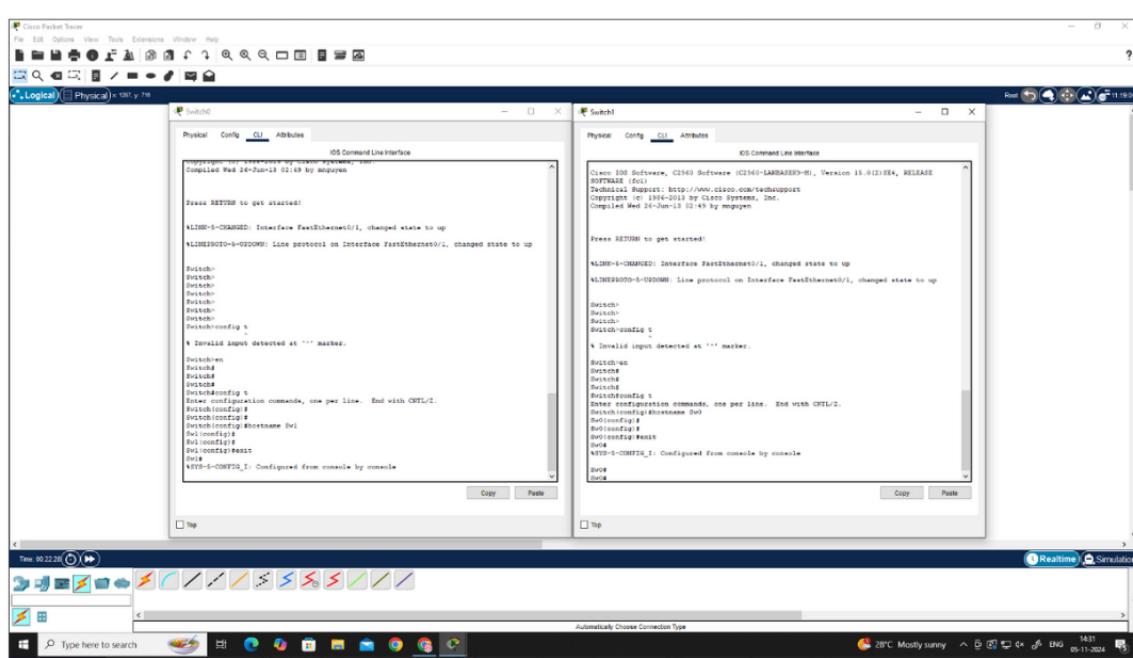
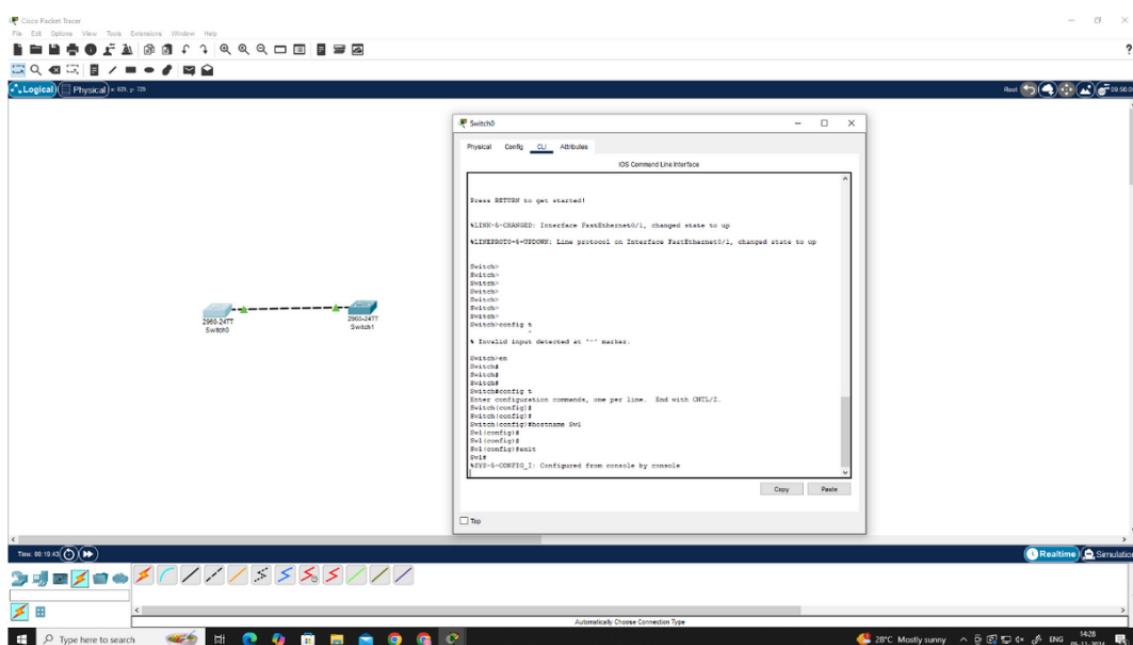
Step 1: Build the network as shown in the topology.

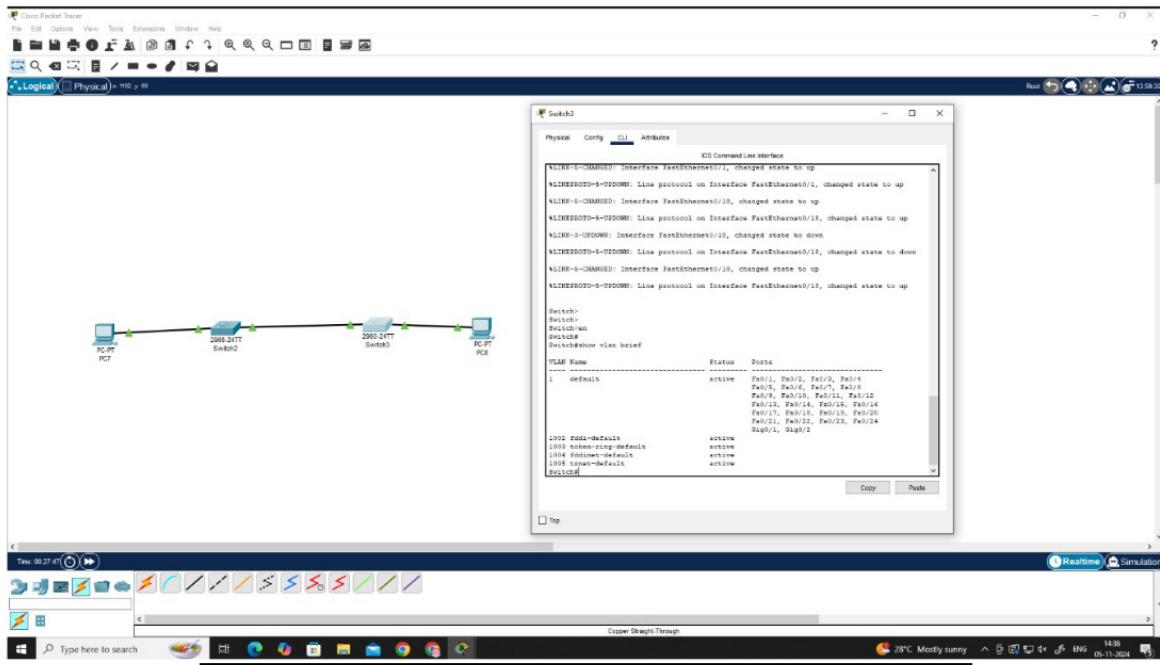
Step 2: Configure basic settings for each switch.

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

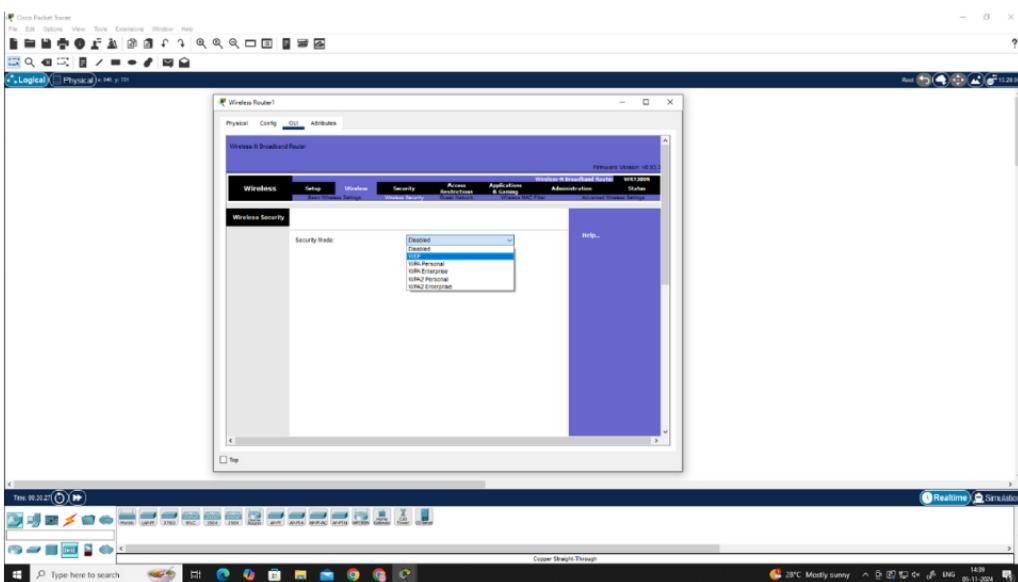
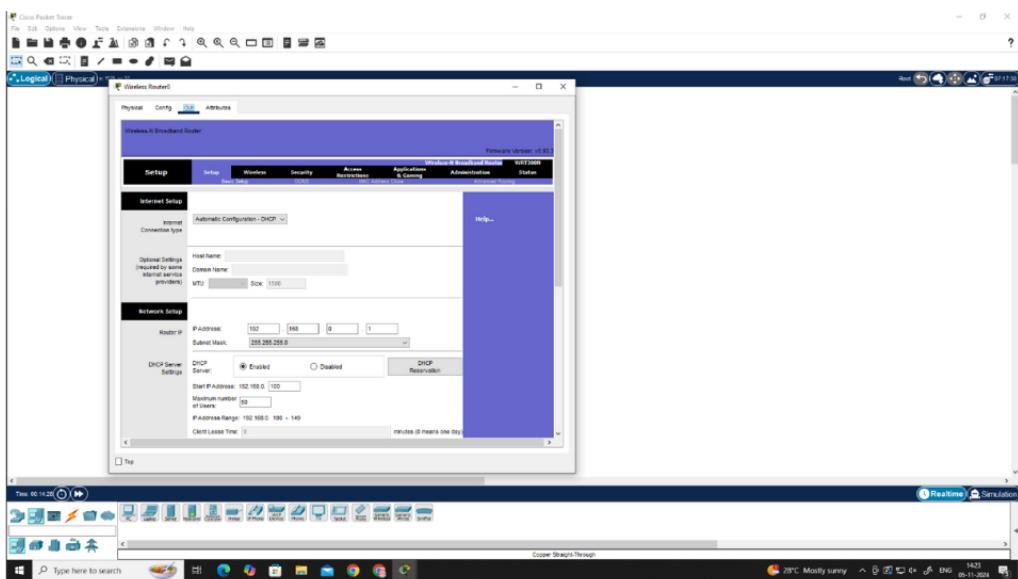
Set SSID to MotherNetwork

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.

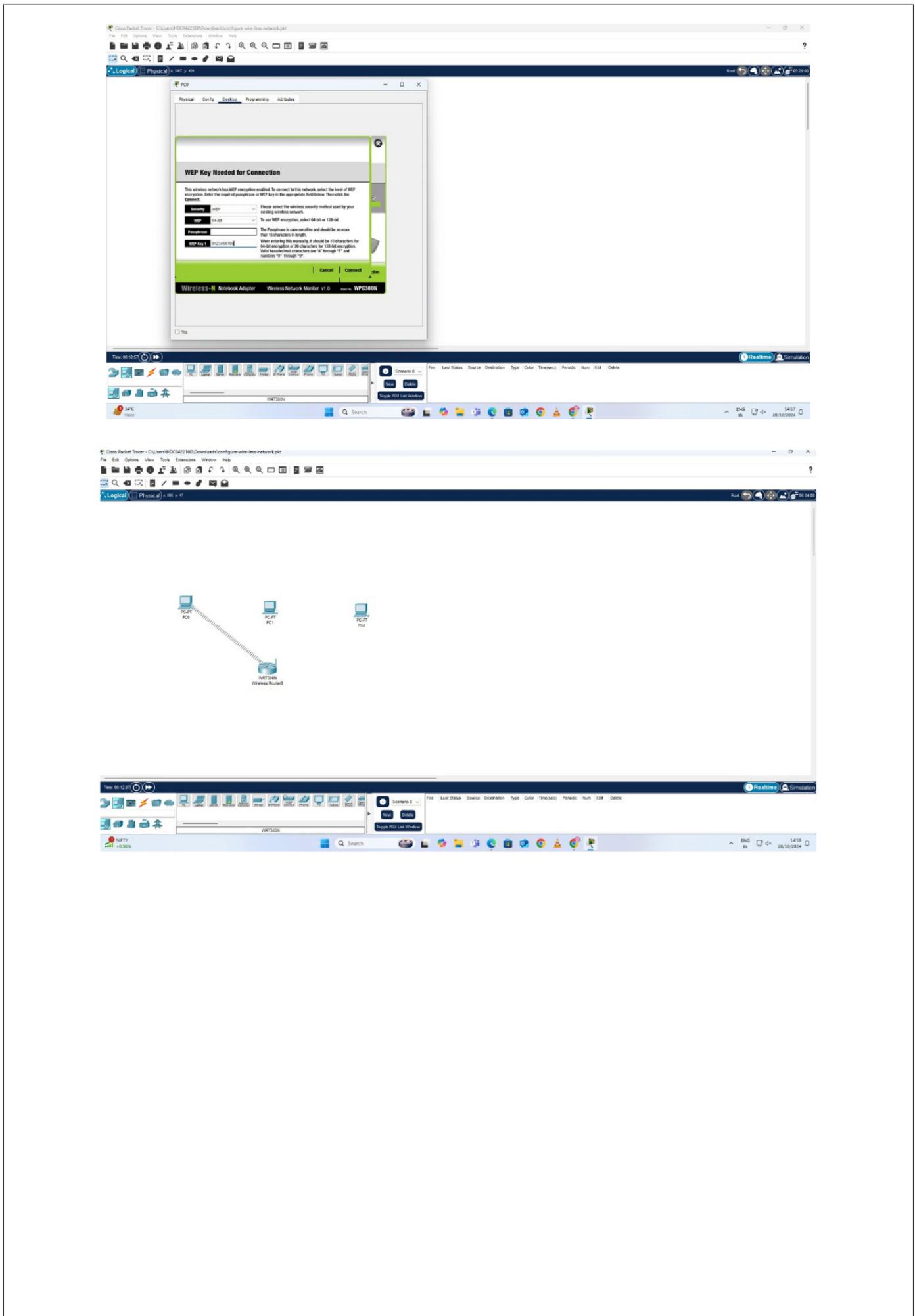
Secure your network by configuring WAP key on Router

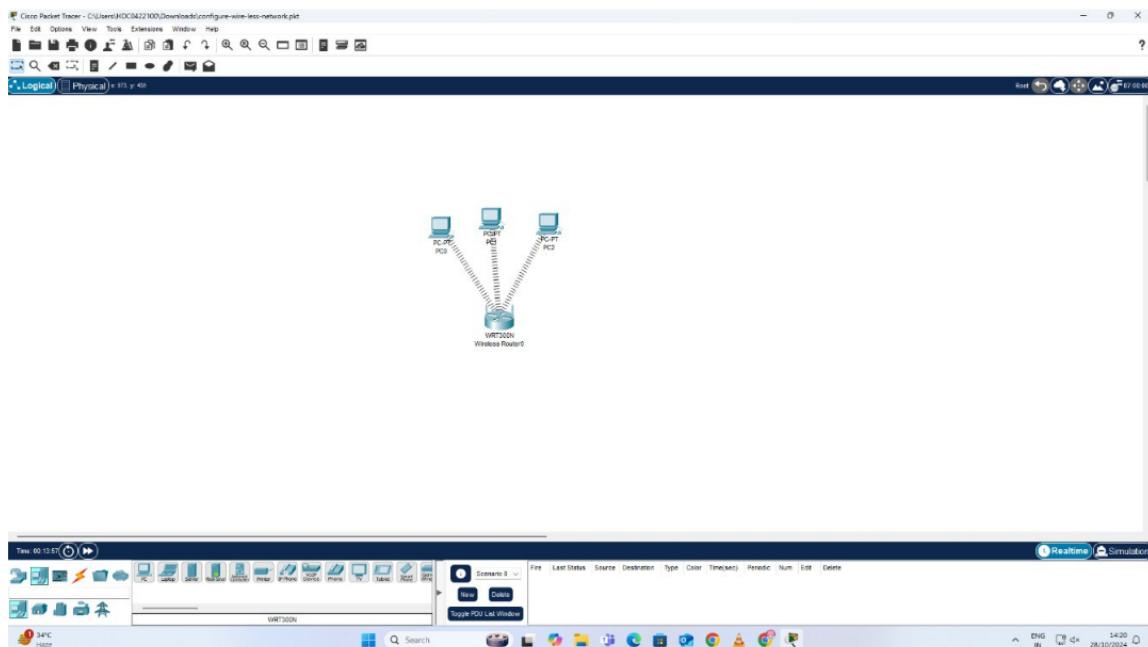
Connect PC by using WAP key

**OUTPUT:** -









### **RESULT: -**

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