Terna Engineering College
Computer Engineering Department

Program: Sem VII

Course: MOBILE COMMUNICATION & COMPUTING AND MOBILE APPLICATION DEVELOPMENT LAB (MCC & MAD Lab)

Experiment No. 10

PART B

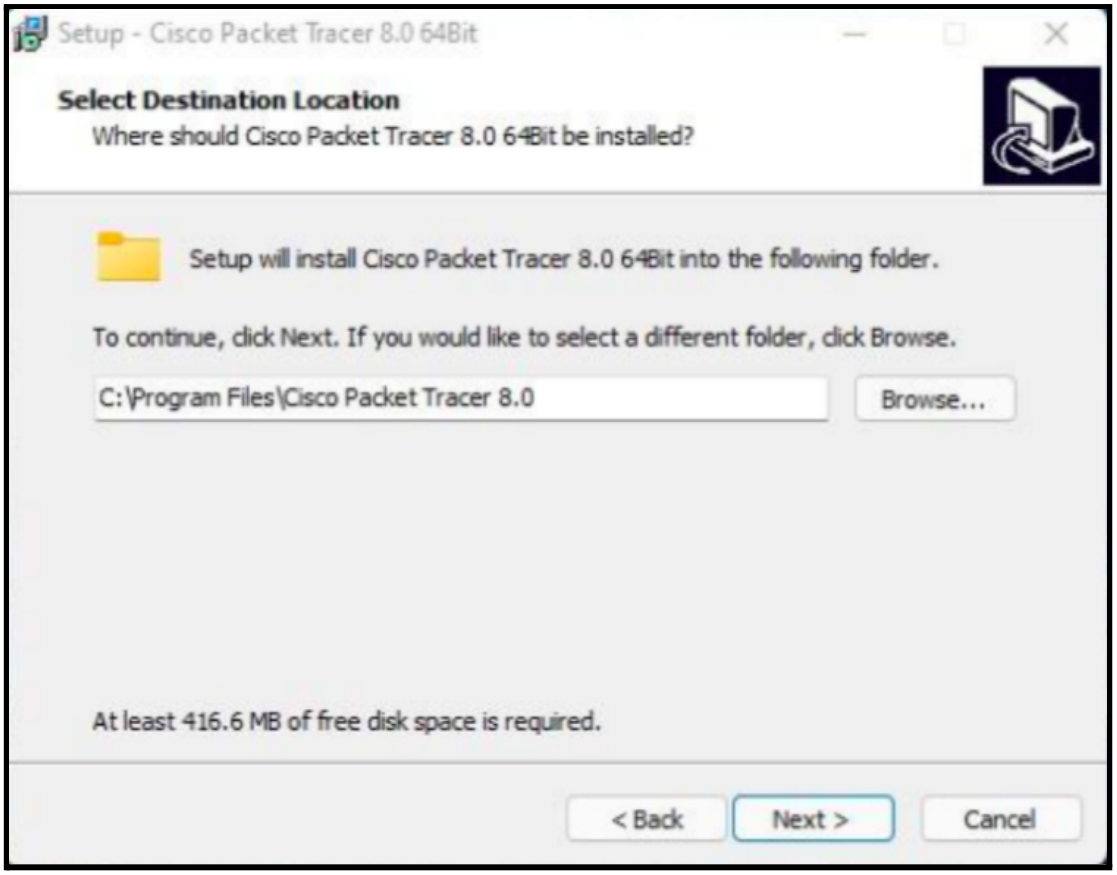
(PART B: TO BE COMPLETED BY STUDENTS)

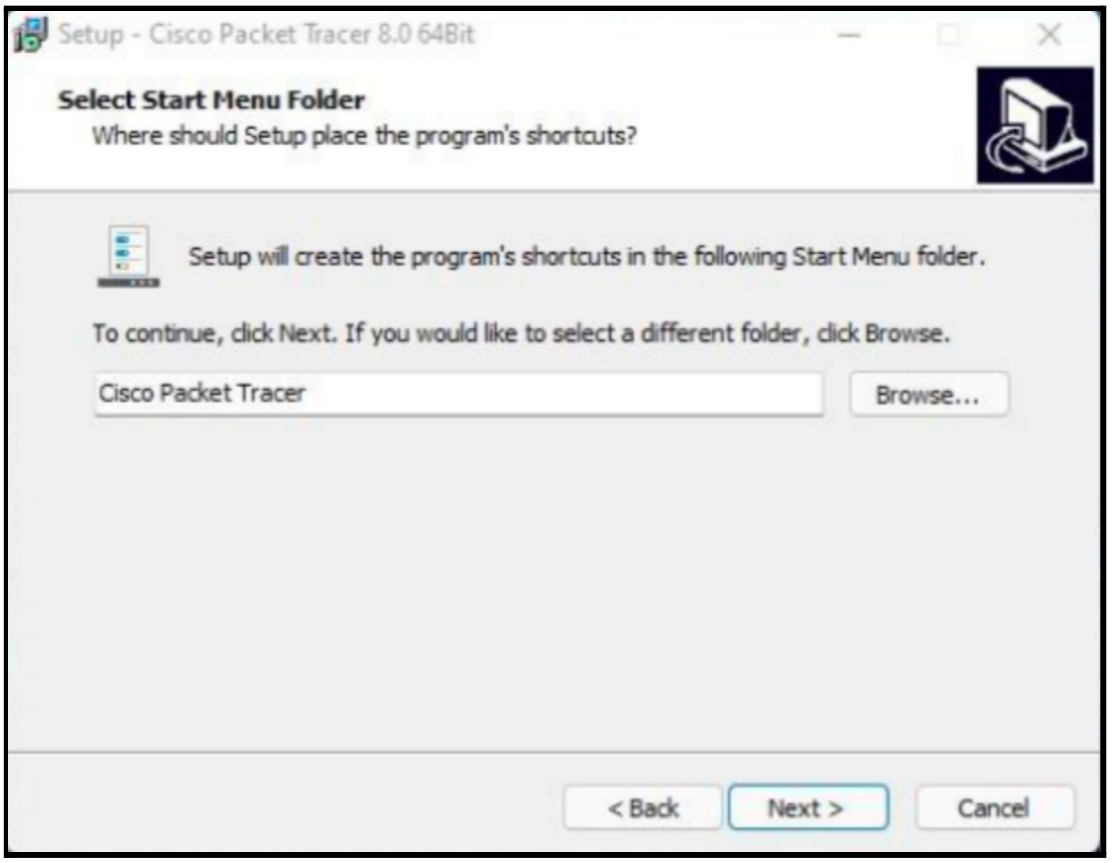
(Students must submit the soft copy as per the following segments within two hours of the practical. The soft copy must be uploaded on the Blackboard or emailed to the concerned lab in charge faculties at the end of the practical in case there is no Blackboard access available)

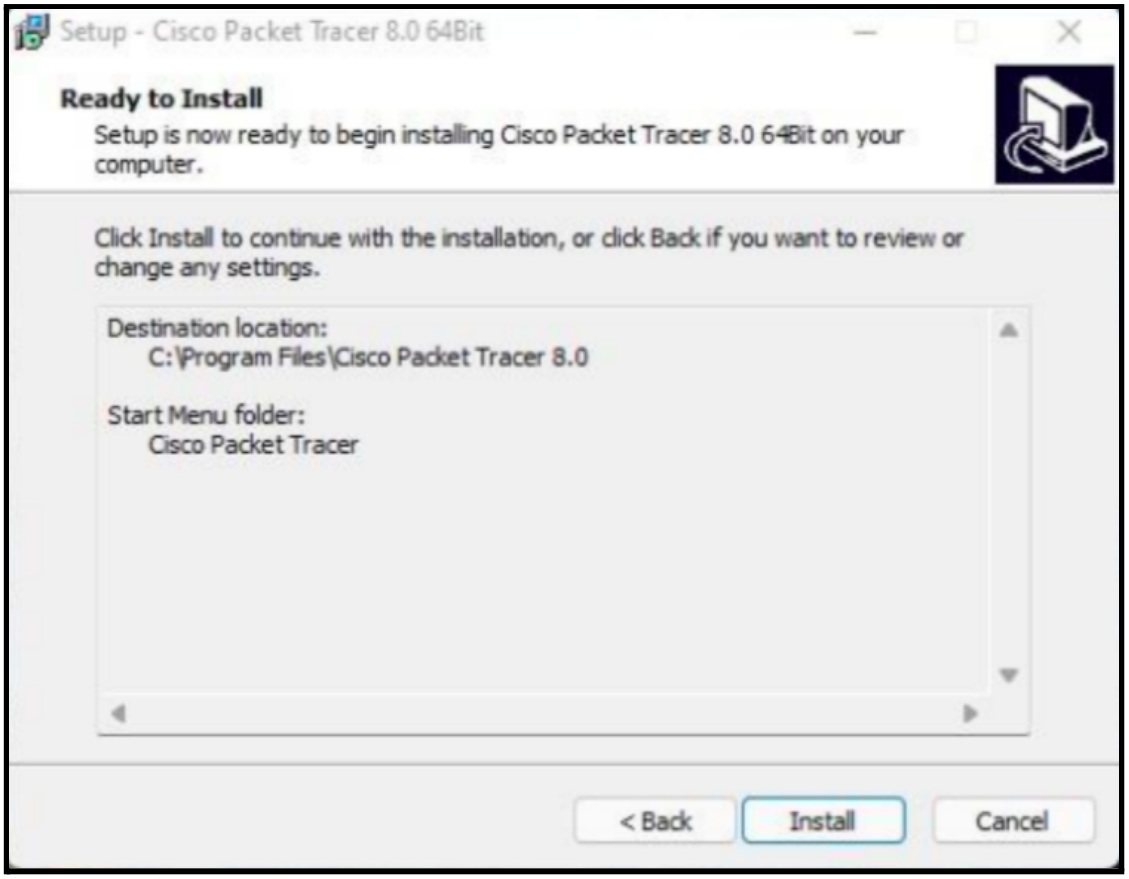
Roll No. 50	Name: AMEY THAKUR
Class: BE-COMPS-50	Batch: B3
Date of Experiment: 08-10-2021	Date of Submission: 08-10-2021
Grade:	

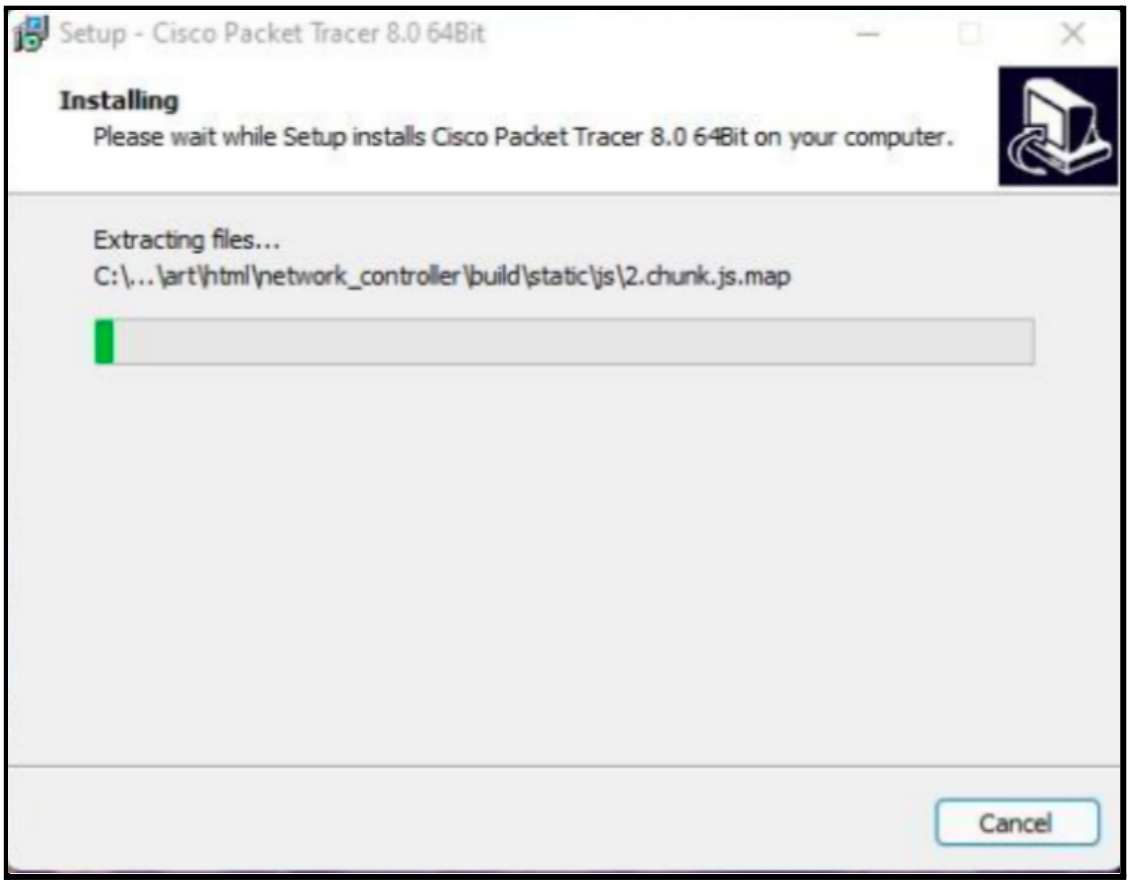
Aim: Set up and configuration of wireless Access Points.

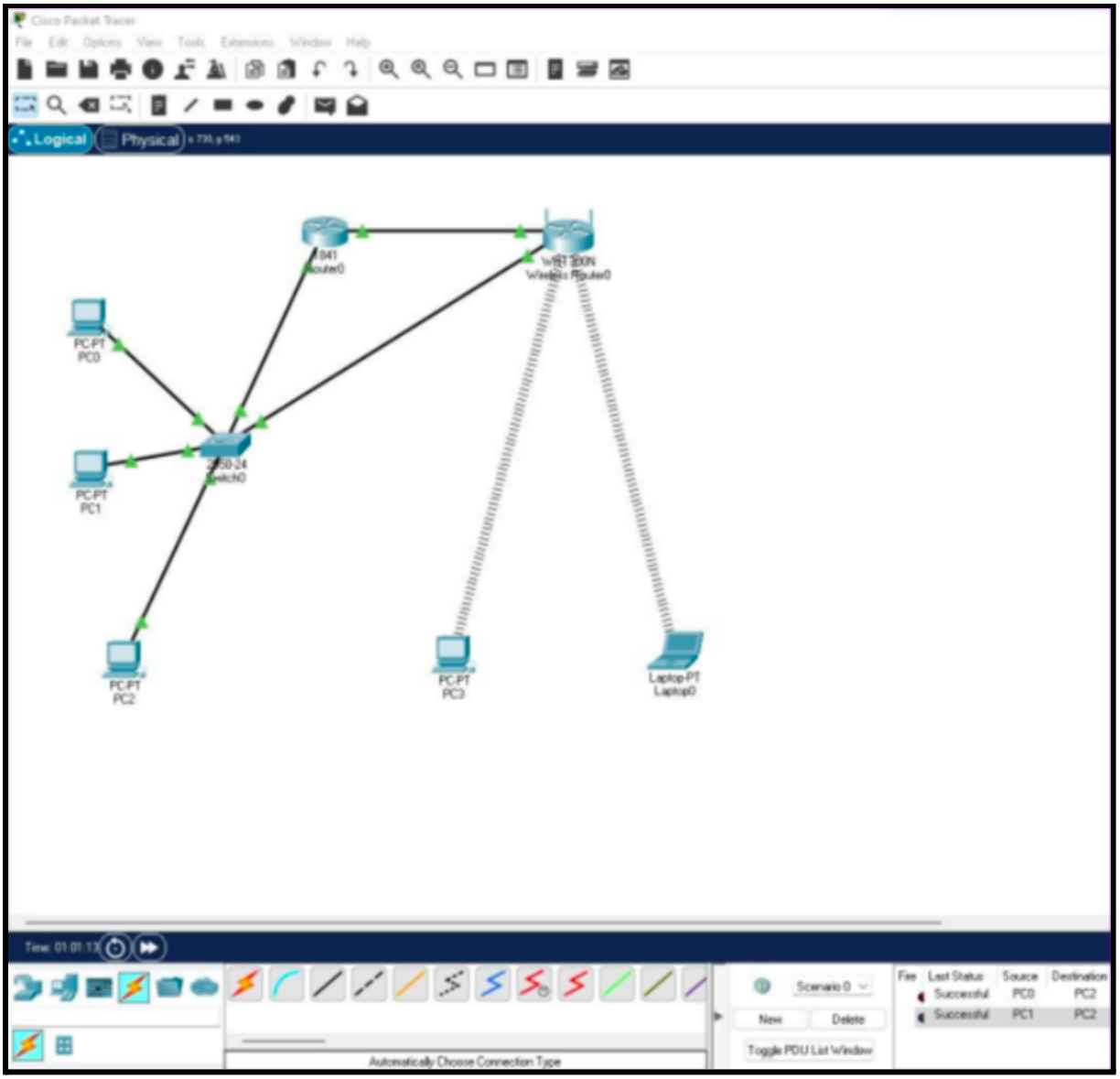
B.1 Cisco Packet Tracer Installation:


Setup - Cisco Packet Tracer 8.0 64Bit
Select Destination Location
Where should Cisco Packet Tracer 8.0 64Bit be installed?
Setup will install Cisco Packet Tracer 8.0 64Bit into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\Cisco Packet Tracer 8.0
Browse...
At least 416.6 MB of free disk space is required.
< Back
Next >
Cancel


Setup - Cisco Packet Tracer 8.0 64Bit
Select Start Menu Folder
Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
Cisco Packet Tracer
Browse...
< Back
Next >
Cancel


Setup - Cisco Packet Tracer 8.0 64Bit
Ready to Install
Setup is now ready to begin installing Cisco Packet Tracer 8.0 64Bit on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
C:\Program Files\Cisco Packet Tracer 8.0
Start Menu folder:
Cisco Packet Tracer
< Back
Install
Cancel


Setup - Cisco Packet Tracer 8.0 64Bit
Installing
Please wait while Setup installs Cisco Packet Tracer 8.0 64Bit on your computer.
Extracting files...
C:\...\art\html\network_controller\build\static\js\2.chunk.js.map
Cancel



B.3 Observations and learning:

After successful completion of this experiment, we are able to Set up and configure access points and use them to access the internet using Cisco Packet Tracer.

B.4 Conclusion:

Hence we can Set up and configure wireless Access Point in Cisco Packet Tracer.

B.5 Question of Curiosity

1. How to Perform configuration of the wireless access points?

Ans:

➔ In order to configure the access point for your customer, you can connect a laptop or PC to the wireless access point's console port via a serial cable. Through the use of terminal software, you can view access point

configuration screens and change specific settings, such as radio channel and transmit power.

- ➔ The problem is that this method of accessing the configuration screens is often character-based and not user-friendly. Plus, a serial cable limits how far you can move from the wireless access point when performing the configurations.
- ➔ If your laptop or PC is equipped with a radio card, then you can access the configuration screens through the use of a Web browser by typing the Internet Protocol (IP) address of the access point as the URL for the Web page (for example, "http:/192.168.0.1" without the quotes). If the IP address in the laptop or PC is set within an acceptable range of the access point (the IP address would be 192.168.0.xxx, with the last three numbers something between 2 and 254), then the browser will render the configuration screens in a much-improved format.

2. Check out/make use of connection with your mobile

Ans:

Turn on & connect

A. Open your device's Settings app.
B. Tap Network & internet > Internet.
C. Tap a listed network. Networks that require a password have a Lock.

After you connect, the network is "Saved." When your phone is near and Wi-Fi is on, your phone automatically connects to this network.

3. What IEEE standard is used for AP?

Ans:

- ➔ IEEE 802.11

4. How Adhoc Wireless LAN will be created?

Ans:

- ➔ Devices in the ad hoc network require a wireless network adapter or chip, and they need to be able to act as a wireless router when connected. When setting up a wireless ad hoc network, each wireless adapter must be configured for ad hoc mode instead of infrastructure mode.

5. What is the difference between WLAN and WiMax?

Ans:

- ➔ WLAN is meant for short-range applications while WiMax is meant for long-range applications.
- ➔ WLAN can deliver much faster speeds compared to WiMax.
- ➔ WiMax provides a much better method of bandwidth distribution compared to WLAN. 4. Both technologies are still susceptible to overloading.