**Experiment No: 6**

To design and simulate the environment for Dynamic routing using Cisco packet tracer/ GNS3

Step 1: Install CISCO packet tracer (follow the you-tube tutorial posted on google classroom)

Step 2: When you are opening the app, first go to Cisco skills for all, log in as done while installing the app, and then open the app.

Step 3: Follow this tutorial step by Step <https://www.youtube.com/watch?v=AovYWpfnlAg&t=431s>

**Experiment No: 7**

To design and Simulate VLANs on the switch/router using Cisco packet tracer/ GNS3

Step 1: Install CISCO packet tracer (follow the YouTube tutorial posted on google classroom)

Step 2: When you are opening the app, first go to Cisco skills for all, log in as done while installing the app, and then open the app.

Step 3: download the pkt file from the google classroom(File Name: VLAN Configuration In Cisco Packet Tracer)

Step 4: Open the file in CISCO Packet tracer by going to File->Open

Step 5: Follow this tutorial then for Configuration [https://www.youtube.com/watch?v=iLcJXkuvUc&list=PLB26QkDXwfPWxP308h-ZzpCcse6sMjDEv&index=7](https://www.youtube.com/watch?v=i-LcJXkuvUc&list=PLB26QkDXwfPWxP308h-ZzpCcse6sMjDEv&index=7)

**Note**: I have also attached fully working pkt files of both the experiments.But follow the tutorial and do it by yourself and use the fully working pkt files to cross-check.

Expt 6: File Name: Working Dynamic Routing

Expt 7: File Name: Working VLAN Configuration In Cisco Packet Tracer

**Experiment No 8 of WCCN**

To design and Simulate NAT on the router using a Cisco packet tracer

Follow this tutorial: <https://www.youtube.com/watch?v=NIaP2Bkzs6k>

and while filling out the index beside every serial no, write the sub-experiment No, for eg:-

Sr.No Title

1 1a. [Experiment Name]

2 1b. [Experiment Name]

and so on.