**MANAV RACHNA UNIVERSITY, FARIDABAD**

**Department of Computer Science and Technology**

**Course: B.Tech. CSE Semester: V Session: July- Dec 2021**

**Subject: COMPUTER NETWORKS** (**CSH 303 T&P)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Objective:** The student will learn to install and use the tool for User Experience.

**Course Outcome CO1:** Gain knowledge of various transmission media, their components and devices

**CO2:** Understand the various networks and access techniques at data link layer level

**Blooms Taxonomy Level**: BT1, BT2

**Lab-3**

1. Study of basic Network configuration commands i.e.

* **Ping**
* **Tracert**
* **Netstat**
* **nslookup**
* **ipconfig**
* **Arp**
* **Pathping**

These tools are usually run at a Microsoft Windows Command Prompt. Most often, these tests would be run if the end user is experiencing the following issues:

* Internet performance slow
* VOIP calls – Poor call quality issues (Voice over Internet Protocol)
* Unable to visit certain websites

In these circumstances the problem may be potential packet loss or latency issue. Using these network tools will help identify the fault.