**Command Prompt (CMD) Commands**

Command Prompt performs advanced administrative functions. Also solves certain issues of window (Operating System).

1. **ASSOC command**

Tells which file extensions your system associates.

C:\Users>**assoc**

Or

C:\Users>**ASSOC**

Or

C:\Users >**Assoc**

**2. IPCONFIG for IP Configuration**

This command gives information about current **network adapter.**

**Network Adapter** is a piece of hardware that acts as the interface for a computer to a network.

C:\Users>**ipconfig**

**3. NETSTAT for Network Statistics**

This command is used for finding active TCP connections from the computer.

One would be able to detect malware.

**Malware** is a software designed to cause disruption to a computer, server, client, leak private information or gain unauthorised access to computer.

C:\Users>**netstat**

**4. PING for Sending test packets**

Sends data packet to the target system (or website you want to reach).

It provides transmission time for the packets (in milliseconds) and we are

able to recognise whether network connection is good or bad.

**C:\Users\>ping (website name or IP address)**

C:\Users>**ping facebook.com**

**Or**

C:\Users>**ping 157.240.198.35**

**5. TRACERT for tracing route**

This command is used when you want to find out route of your packet till destination.

It finds - Number of hops (intermediate servers)

- Time taken to each hop

- IP address and sometimes name of each hop

C:\Users>**tracert google.com**

**Or**

C:\Users> **tracert google.com -4**

***Add this Parameter for getting information in terms of IPV4 Address***

**IPV4 vs IPV6**

* Windows normally prefer using IPV6 over IPV4.
* IPV6 is mandatory part of Windows.
* If IPV6 is disabled, some windows component may not work properly.

6.