BITS Pilani – Hyderabad Campus
Operating Systems (CS F372)

Objective: The key objective of this lab is to learn some basic Linux OS concepts and commands.

Q. 1) Identify Unix/Linux utility for process monitoring. Explain what are **pid's** and Unix **pipes**.

Q.2) How can you terminate the process using its process id (**pid**) ?

Q.3) Identify commands to view disk status and file space.

Q.4) What is a hard link and why do we need it in operating system? Please explain the **inode** number.

Q.5) What is a **symbolic link** to a file? What is the difference/similarity between **symbolic link**, **soft link** and **sym link**? Why are **symbolic links** needed?

Q.6) Create a file 1.c and then create a **symbolic link** of 1.c to 2.c. Now copy 2.c to 3.c using **cp** command. Observe the **inode** numbers and tell the similarity/difference. Now delete 1.c and copy 2.c to 4.c. What do you observe?

Q.7) What is **sudo** ? Use **sudo** for installing and removing some repositories from Internet.