

## CSE 310 : Operating System Lab

### Introduction to Linux Operating System

#### **Description:**

In this lab, we will explore the fundamental Linux commands that are essential for navigating and working with the Linux operating system. Linux commands provide powerful tools for managing files and directories, executing programs, and performing various administrative tasks. By the end of this lab, you will have a solid understanding of some of the most commonly used Linux commands and their functionalities.

#### **Lab Objectives:**

1. Familiarize yourself with the Linux command line interface.
2. Learn how to navigate the file system using basic commands.
3. Understand how to manipulate files and directories.

#### **Lab Content:**

1. Navigating the File System:
  - a. Use the 'man' command to get the manual of any command
  - b. Use the 'pwd' command to display the current working directory.
  - c. Use the 'ls' command to list files and directories in the current directory.
  - d. Use the 'cd' command to change directories.
  - e. Use the 'mkdir' command to create a new directory.
  - f. Use the 'rmdir' command to remove an empty directory.
2. Working with Files:
  - a. Use the 'touch' command to create a new file.
  - b. Use the 'echo' command to write strings into files.
  - c. Use the 'cp' command to copy files.
  - d. Use the 'mv' command to move or rename files.
  - e. Use the 'rm' command to remove files.
  - f. Use the 'cat' command to display the contents of a file.