

**PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY PANIPAT  
DEPARTMENT OF INFORMATION TECHNOLOGY**

**Lab Plan**

**Subject: Linux Operating System**

**Subject code: PC-IT-308AL**

**Session: 2022-23**

**Semesters: VI**

<b>CO</b>	<b>CO Description</b>
CO1	Understand the Linux operating system and its file system
CO2	Understand basic Linux commands and usage of file operations.
CO3	Use basic sed, awk scripting.
CO4	Explain Linux networking services.

**LIST OF EXPERIMENTS**

<b>S.No.</b>	<b>Program Name</b>	<b>Course Outcome</b>
1.	Install Linux on the system dual boot with the windows Operating System.	CO1
2.	Do the following tasks :- <ul style="list-style-type: none"><li>• Create, remove &amp; resize various types of partitions through GUI as well as command line.</li><li>• Configure printers in Linux through GUI as well as command line.</li></ul>	CO1
3.	Creating, Removing of Swap space as well as swap files trough command line as well as GUI.	CO1
4.	Implementation Disk Quotas- enabling, creating, mounting, configuring, assigning, disabling.	CO1
5.	Managing Users and Groups in Linux- Adding, Modifying, Password aging.	CO2
6.	Use Various Commands on Command Line.	CO2
7.	Use Sed and Awk Scripts on various files in Linux Operating System.	CO3
8.	Configuring NFS (Network File System) on Linux both GUI & Command Line.	CO4
9.	Configuring Samba server on Linux both GUI & Command line.	CO4
10.	Configuring D.N.S (Domain Name system) server on Linux both GUI & Command Line.	CO4