

**GOVT. POLYTECHNIC, HAMIRPUR (H.P.)**  
**Practical Planning**

**Branch:** Computer Engineering

**Semester:** 6<sup>th</sup>


**Subject:** Linux Operating System

**Session:** Jan 2024

**Teacher:** Amit Nayyer

**Laboratory:** Yes

Sr. No.	No of Practical hours planned	Aim of the Practical	Reference for Procedure/ Writeup	Remarks
1	6	To install Linux operating system (e.g. Ubuntu Distribution).	R2	
2	6	Using basic Linux commands/utilities : man, echo, exit, cal, date, time, mkdir, rmdir, cd, pwd, clear, cat, type, bc, expr, test, script, passwd, uname, , hostname, alias, ls, cp, ln, rm, more, less, cmp, comm, diff, kill, sudo, su, sort.	R1, R3	
3	4	Using filter Linux commands: wc, cut, head, tail, tee, cat and grep.	R1, R3	
4	6	Using networking based Linux commands: finger, ifconfig, ping, arp, netstat, route, traceroute.	R1, R3	
5	6	Using file management commands: chmod, chown, chgrp, touch, find, cut.	R1, R3	
6	6	To study various features of any Linux desktop environment.	R1, R3	
7	4	To view and change file access permission of files in Linux.	R1, R3	
8	4	To implement various types of redirections.	R1, R3	
9	10	To write shell scripts that implements the various conditions and loop constructs.	R2	
10	4	To create and delete users in Linux operating system.	R1, R3	

  
Signature of Teacher with Date 27/1/24

  
Signature of HOD