

**B.Sc. (Data Science)**  
**Core Course (CC)**  
**Semester II**  
**BSDB31201P: Operating Systems Lab**

**Total Marks: 100**  
**External Marks: 70**  
**Internal Marks: 30**  
**Credits: 2**  
**Pass Percentage: 40%**

Besides below given Practicals, List of Lab Assignments – Session wise will be given to the student

1. Installation of Unix/Linux operating system.
2. Study of Unix/Linux general purpose utility command listed in the syllabus.  
(cal, date, echo, bc, who, cd, mkdir, rmdir, ls, cat cp, rm, mv, more, gzip, tar, File ownership, file permissions, chmod, Directory permission, change file ownership)
3. Study of Unix/Linux filesystem (tree structure).
4. Write a shell script program to display “HELLO WORLD”.
5. Write a shell script program to develop a scientific calculator
6. Write a shell Script program to check whether the given number is even or odd.
7. write a shell script to find the factorial of given integer
8. Write a Shell script that accepts a filename, starting and ending line numbers as arguments and displays all the lines between the given line numbers?