

OPERATING SYSTEMS LAB

Course Code	23CS3451	Year	II	Semester	II
Course Category	PC	Branch	CSE/IT	Course Type	LABORATORY
Credits	3	L – T – P	0-0-3	Prerequisites	Windows Operating System
Continuous Evaluation:	30	Semester End Evaluation:	70	Total Marks:	100

Course Outcomes		
Upon successful completion of the course, the student will be able to:		
CO1	Apply suitable commands to perform various tasks on Linux Operating System	L3
CO2	Implement tasks as an individual on Linux Operating System	L3
CO3	Develop an effective report based on various tasks implemented	L3
CO4	Apply technical knowledge for a given problem and express with an effective oral communication.	L3
CO5	Analyze outputs using given constraints.	L4

Syllabus		
Unit No.	CONTENTS	Mapped CO
I	Accessing the Command Line.	CO1,CO2,CO3,CO4,CO5
II	Managing Files from the Command Line	CO1,CO2,CO3,CO4,CO5
III	Creating, Viewing and Editing Text Files.	CO1,CO2,CO3,CO4,CO5
IV	Archiving and Copying Files Between Systems.	CO1,CO2,CO3,CO4,CO5
V	Manage users and groups	CO1,CO2,CO3,CO4,CO5
VI	Controlling Access to Files with Linux File System Permissions	CO1,CO2,CO3,CO4,CO5
VII	Manage basic networking.	CO1,CO2,CO3,CO4,CO5
VIII	Installation of VM Ware Workstation and Installing Open Source Operating System(eg., ubuntu) on VM Ware /Oracle Virtual Box.	CO1,CO2,CO3,CO4,CO5

Learning Resources
Reference Books:
1. Red Hat Enterprise Linux 8.0 RH124, Red Hat System Administration I, Edition 1, Fiona Allen, Marc Kesler, Saumik Paul, Snehangshu Karmakar, Victor Costea

E-Resources & other digital material

1. <https://www.coursera.org/learn/fundamentals-of-red-hat-enterprise-linux>
2. <https://www.udemy.com/course/certified-system-administrator/>
3. <https://www.redhat.com/en/services/training/ex200-red-hat-certified-system-administrator-rhcsaexam>