

Operating Systems Lab

Course Code	23CS3451	Year	II	Semester	II
Course Category	PC	Branch	CSE	Course Type	Practical/Lab
Credits	3	L-T-P	3-0-0	Prerequisites	
Continuous Internal Evaluation :	15	Semester End Evaluation:	35	Total Marks:	50

Course Outcomes		Blooms Level
Upon successful completion of the course, the student will be able to:		
CO1	Apply suitable commands to perform various tasks on Linux Operating Systems	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

Contribution of Course Outcomes towards achievement of Program Outcomes & Strength of correlations (3:Substantial,2:Moderate,1:Slight)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1													3	
CO2					2				1					
CO3										2				
CO4	2									2				
CO5			3											
Avg.	2		3		2				1	2			3	

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	