

Introduction to Linux Operating System

Course Code	20SO8355	Year	II	Semester	I
Course Category	SOC-1	Branch	CSE	Course Type	Practical
Credits	2	L-T-P	1-0-2	Prerequisites	-
Continuous Internal Evaluation :	-	Semester End Evaluation:	50	Total Marks:	50

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

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	2											2		
CO2									2					
CO3										3				
CO4										2			2	
CO5		2												

Syllabus		
Unit No.	Contents	Mapped CO
1	Accessing the Command Line.	CO1,CO2,CO3,CO4,CO5
2	Managing Files from the Command Line.	CO1,CO2,CO3,CO4,CO5
3	Creating, Viewing and Editing Text Files.	CO1,CO2,CO3,CO4,CO5
4	Archiving and Copying Files Between Systems.	CO1,CO2,CO3,CO4,CO5
5	Manage users and groups.	CO1,CO2,CO3,CO4,CO5
6	Controlling Access to Files with Linux File System Permissions.	CO1,CO2,CO3,CO4,CO5
7	Manage basic networking.	CO1,CO2,CO3,CO4,CO5
8	Installing and Updating Software Packages.	CO1,CO2,CO3,CO4,CO5

Learning Resources
Text 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
References
1. https://www.coursera.org/learn/fundamentals-of-red-hat-enterprise-linux
2. https://www.udemy.com/course/certified-system-administrator/
e-Resources & Other Digital Material
1. https://www.redhat.com/en/services/training/ex200-red-hat-certified-system-administrator-rhcsa-exam