



Jansons Institute of Technology

Karumathampatti, Coimbatore – 641 659

Approved by AICTE and Affiliated to Anna University

An ISO 9001:2015 certified institution

Industry Readiness Course – Syllabus

Department of Computer Science and Engineering

RED HAT LINUX SYSTEM ADMINISTRATION

2022- 2023 Even Semester

Learning Objectives

Familiarize students with the Linux environment, and able to run commands on a standard Linux operating system.

Provide the skills needed to develop and customize Linux shell programs and to make effective use of a wide range of standard Linux programming and development tools

Design Able to write moderate C programs utilizing common system calls.

Develop the skills necessary for system programming and inter and intra process communication programming.

Learning Outcomes

Learn the importance of Linux architecture along with features.

Identify and use Linux utilities to create and manage simple file processing operations.

Develop shell scripts to perform more complex tasks in shell programming environment.

Illustrate file processing operations such as standard I/O and formatted I/O.

Illustrate memory management of file handling through file/region lock.

Design and Implement in C some standard linux utilities.

Understand process structure, scheduling and management through system calls

Module -I Get started with Red Hat Enterprise Linux

open source, Linux distributions, and Red Hat Enterprise Linux -a Linux system and run simple commands using the shell -Copy, move, create, delete, and organize files while working from the bash shell -Resolve problems by using local help systems.




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Module -2

Manage local users and groups-Control access to files-Monitor and manage Linux processes-Access Linux files systems

Module -3

Access Linux files systems-Analyze servers and get support-Comprehensive review

Course Designed By



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Principal

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