Certificate Course in System Administration using Linux

Objective of the Course:

On completion of this course you should be able to:

- Understand the role and responsibilities of a Linux system administrator
- Install and configure the Linux operating system
- Manage the resources and security of a computer running Linux at a basic level
- Make effective use of Linux utilities, and scripting languages
- Configure and manage simple TCP/IP network services on a Linux system

Learning Outcomes:

After completing this course, students will be able carry the duties of a Linux system administer. Students will learn to do file processing, process management, IO management, queues management, networking, storage backup, account management, proper system start-up and shutting down, as well as other tasks.

Duration of the Course (in hours)   80 hrs

Appr. Fees (INR):   Rs.10000/- +GST

Minimum Eligibility Criteria and pre-requisites, if any

B.Sc. (CS)/BCA/PGDCA/Diploma (CS/IT)/NIELIT 'A' Level (S/W)

Outline of Course

S. No	Topic	Minimum No. of Hours
1	Understanding Fundamentals of Linux Systems and User account management	25 hrs
2	Understanding Networking Administration	20 hrs
3	Understanding Software & Configuration Management	15 hrs
4	Understanding Logging, Performance Analysis, and System Monitoring	10 hrs
5	Understanding Linux Troubleshooting	10 hrs
Theory & Practical / Lecture Hours:		**80 hrs**
Total Hours:		**80 hrs**

Books recommended for reference and reading:

The Design of Linux Operating System(Prentice Hall Software Series)