

“System Administration under Linux Operating System (SALO)”**Objective**

The main objective of the course is to have basic idea of System Administration under Linux Operating System. During the course candidate will learn various System Administration Commands used in Linux Operating System for performing System Administration Activity. They will learn about Apache Web Server configuration and its administration. After successful completion of the course participant will be able to implement various security features including Web Server Security on Linux Operating System. With this course they will be able to prepare a complete platform for hosting a Web based Application with necessary security features.

Duration 40 Hours

Timing: Starting Date- 01-05-2018

Target Audience B.E./B.Tech./MCA/BCA/NIELIT A Level Completed or Ongoing

Prerequisite Basic knowledge of Linux Operating System

Outcome

1. System Administration under Linux Operating System.
2. Configuration of Apache Web Server.
3. Implementation of various security features.
4. Configuration of MySQL Server under Linux Operating System.

Syllabus

Sr. No.	Topics	Duration in Hours		
		Theory	Lab	Total
01	System Administration Concepts and Commands. Various Services in Linux, File System and its architecture, File and Directory Permissions, Disk encryption technique Special Modes, ACL, User Management etc. User Management, Backup and Recovery.	05	05	10
02	Virtual Hosts, Name Based Virtual Host, IP Based Virtual Host, Port Based Virtual Host, Access Control etc	04	02	06
03	Basic Authentication, htaccess, Apache Web Server Security, SSL Configuration, Server Signature, Apache Log Files, access/error log file for a specific website	04	05	09
03	Firewall fundamental and its configuration, TCP Wrapper,	07	08	15

	Secure shell and secure FTP, configuring ftp server etc.			
Total		20	20	40

Course fee: Rs. 4,720/- (Four Thousand Seven hundred twenty only)

- Registration fee is non-refundable
- Full tuition fee is waived for limited no. of SC/ST candidates

Course in-charge: Sanjeev Kumar Jha, Scientist 'C'

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- ❖ For special/weekend batches, contact course in-charge

How to apply:

- ❖ Registration needs to be done at our Centre before starting the course. To get the admission, fill the Registration form and bringing the following:
 1. Duly filled in registration form
 2. Course fees - in the form of DD or Online Transaction (Please see the Mode of payment details)
 3. Self-attested copy Minimum Qualification certificate
 4. Self-attested copy of identity proof
 5. Self-attested copy of community certificate (if availing SC/ST fee concession)

Mode of payment:

- ❖ Course fee may be paid by any one of the following modes:
 1. DD drawn from a nationalized bank (preferably SBI) in favor of "NIELIT Chennai" payable at Chennai.
 2. Online transaction: Account No: 31185720641 Branch: Kottur (Chennai), IFS Code: SBIN0001669.
 3. Pay through nationalized bank Debit card (Service charges applicable)