

# **e-ITEC Specialized Programme on Linux Server Administration (3 Weeks)**

## **Linux Essentials**

- Overview
- Command Line File system Browsing
- Users, Groups, and Permissions
- vi and vim Editor Basics
- The Linux File system
- Standard I/O and Pipes
- Introduction to String Processing
- String Processing with Regular Expressions
- Bash Shell Scripting

## **Linux System Administration**

- Installation
- System Initialization and Services
- File system Management
- Network Configuration
- RPM
- User Administration
- Troubleshooting

## **Linux Networking and Security Administration**

- Introduction to System Services
- Organizing Networked Systems
- Network File Sharing Services
- Securing Networks
- Securing Services
- IP table configuration

## **Configuration and management Of Servers**

- Web Server
  - Apache configuration, Virtual Hosting
- Mail Server
  - Dovecot configuration, Postfix configuration

- File Transfer protocol(FTP)
  - File sharing, authentication, FTP port options
- Domain Name Server(DNS)
- Samba Server
- Network File System (NFS )
  - Exported directory, mounting directory, permanent mounting NFS file system
- Proxy Server
  - Squid configuration, restricting IP, websites, MAC etc.