Syllabus of Linux Course in Chennai

Automating Programs

- Run Levels
- /etc/RC.d Files
- Customization of Run Levels
- cron and anacron
- at and batch

Login Options

- Console Login
- Controlling Console Login
- Virtual Consoles
- Serial Login
- Remote Login
- ssh Login

Building a Custom Linux Kernel

- Kernel Versions
- Kernel Source Files
- Kernel Patch Files
- Kernel Configuration
- Kernel Building
- Testing a New Kernel

The GNU/Linux Filesystem

- Partition Types
- Filesystem Types
- Mounting
- Automount
- File Types
- File Security

Key Filesystem Locations

- Boot Files

- User Files
- Administrator Files
- Configuration Files
- Log Files

The /proc Pseudo Filesystem

- Process Info
- Kernel Config Info
- Hardware Info
- Changing /proc Info
- System

BASH – Borne Again Shell

- Key /bin Commands
- Key /bin Commands
- History
- man and info
- vi
- Using Shell Scripts

User Management

- Users and Groups
- Home Directories
- Password Files
- PAM
- Quotas
- NIS Intro

Software Management

- tar Files
- Patch Files
- RPM

Hardware Management

- Types of Devices
- /dev Namespace

- Modules

Network Management

- Types of Network Devices
- Monitoring Network Devices
- Controlling Network Services
- xinted
- iptables

Network Services – Part I

- DHCP
- DNS
- SSH

Network Services – Part II

- FTP
- NFS
- Samba

Network Services – Part III

- Sendmail
- Apache
- Squid Proxy Server

The X Window System

- X Servers and X Clients
- XFree86
- X Fonts
- GTK and KDE

Exam Practice

Installation Challenges

Configuration Challenges

Troubleshooting Challenges