**Introduction To Linux and OS Installations**

* Linux Boot Process
* Linux File System Hierarchy
* Installation of CentOS 7
* Installation of Various Linux Distributions including Debian, RHEL, Ubuntu, Fedora, etc

**Essentials of Basic Linux Commands**

* List Files and Directories Using ‘ls’ Command
* Switch Between Linux Directories and Paths with ‘cd’ Command
* How to Use ‘dir’ Command with Different Options in Linux
* Find Out Present Working Directory Using ‘pwd’ Command
* Create Files using ‘touch’ Command
* Copy Files and Directories using ‘cp’ Command
* View File Content with ‘cat’ Command
* Check File System Disk Space Usage with ‘df’ Command
* Check Files and Directories Disk Usage with ‘du’ Command
* Find Files and Directories using find Command
* Find File Pattern Searches using grep Command

**User, Group and File Permissions Management**

* How to Add or Create New Users using ‘useradd’ Command
* How to Modify or Change Users Attributes using ‘usermod’ Command
* Managing Users & Groups, File Permissions & Attributes
* Difference Between su and sudo – How to Configure sudo

**Linux Package Management**

* Yum Package Management – CentOS, RHEL and Fedora
* RPM Package Management – CentOS, RHEL and Fedora
* APT-GET and APT-CACHE Package Management – Debian, Ubuntu

**System Monitoring & Cron Scheduling**

* Linux Process Monitoring with top Command
* Linux Process Management with Kill, Pkill and Killall Commands
* Linux File Process Management with lsof Commands
* Linux Job Scheduling with Cron

**Archiving/Compression Files**

* How to Archive/Compress Linux Files and Directories using ‘tar’ Command
* How to Open, Extract and Create RAR Files in Linux

**Backup/Sync Files and Directories in Linux**

* How to Copy/Synchronize Files and Directories Locally/Remotely with rsync
* How to Transfer Files/Folders in Linux using scp