

FULL CURRICULUM • 2026

Linux

Learn the operating system that quietly runs the world.

Every module, every lesson — the complete syllabus, end to end.

12

MODULES

234

LESSONS

3

MONTHS

₹12,500

FULL PROGRAMME

What this course covers

1

Level 1 • Beginner

Course Overview • Introduction To Linux • Virtualization

1 month • 4 modules • 32 lessons • ₹3,000

2

Level 2 • Intermediate

Linux Fundamentals • System Management • Shell Scripting

1 month • 3 modules • 74 lessons • ₹4,000

3

Level 3 • Advanced

Linux Networking • Disk Partition • Projects

1 month • 5 modules • 128 lessons • ₹5,500

The whole journey

This is the complete syllabus for Linux — 12 modules and 234 lessons, in the order you will learn them. The level markers show how far each stage carries you, but the curriculum runs as one continuous path from the first lesson to the last.

1

LEVEL 1

Beginner

Course Overview · Introduction To Linux · Virtualization

1 month · 4 modules · 32 lessons · ₹3,000

1. Course Overview

1 lessons

- Course Overview

2. Introduction To Linux

9 lessons

- Section 1 Overview
- Introduction To Linux
- Key Functions, Linux Distributions And History
- Linux Vs Unix
- Linux Flavours
- Linux Flavours Tabular Comparison
- Linux Users
- Linux Vs Windows
- Creating An Aws Account

3. Virtualization

7 lessons

- Section 2 Overview
- Virtualization
- Virtualization Types
- Virtual Box
- Aws Virtualization
- Understanding Ec2
- Understanding Amis

4. System Access & File System

15 lessons

- Section 3 Overview
- File System Structure And Description
- Navigation Through Files
- File Navigation Hands On
- Relative And Absolute Paths Hands On
- Creating Files And Directories
- Removing Files
- Creating Files Hands On
- Creating / Removing Files And Directories Hands On
- Wildcards
- Wildcards Hands On
- Soft And Hard Links
- Find & Locate Command
- Copy Command
- Copy Command Hands On

Intermediate

Linux Fundamentals · System Management · Shell Scripting

1 month · 3 modules · 74 lessons · ₹4,000

5. Linux Fundamentals

34 lessons

- Section 4 Overview
- Command Syntax
- Command Syntax Hands On
- Acl (Access Control List)
- Acl Basic Commands
- Acl Hands On
- Help Command + Hands On
- Input And Output Redirections Hands On
- Executing Multiple Commands With Hands On
- User And Permission Management
- Chmod Hands On
- Chown Hands On
- Tab Completion And Up Arrow Keys With Hands On
- Linux Pipe With Hands On
- Compressing & Uncompressing.Mp4
- Compressing And Uncompressing Hands On
- File Display Commands With Hands On
- Diff & Cmp
- Diff And Cmp Commands Hands On
- Gzip & Gunzip Hands On
- Filters / Text Processing Commands
- Text Processing Command Cat
- Cat Command Hands On
- Text Processing Command Awk
- Awk Command Hands On
- Text Processing Command Grep
- Grep Command Hands On
- Text Processing Command Uniq
- Uniq Command Hands On
- Sort Command Hands On
- Wc Command Hands On
- Truncate Command With Hands On
- File Editing
- Vi File Editor Hands On

6. System Management

30 lessons

- Section 5 Overview
- Stream Editor
- Sed Command Hands On
- Password Aging
- Password Aging Hands On
- Process / Services Commands (Systemctl, Ps, Top, Kill, Crontab, At)
- Package Management
- Systemctl Hands On
- Ps Command Hands On
- Top Command Hands On
- At Command Hands On
- Cronjob Hands On
- Changing System Hostname With Hands On
- Environmental Variables In Linux
- Finding System Information With Hands On
- System Utility Commands (Date, Uptime, Hostname, Uname, Which, Cal)
- System Utility Commands Hands On
- Screen Command With Hands On
- Log Monitoring With Hands On
- Ss Report With Hands On
- System Maintenance Commands (Shutdown, Init, Reboot, Halt) With Hands On
- System Monitoring With Hands On
- Terminal Commands (Clear, Exit, Script) With Hands
- User Account Management (Who, Last, W, Finger, Id) With Hands On
- Talking To User With Hands On
- Tmux Command With Hands On
- Guid Hands On
- Process Management Commands Hands On
- User Management
- User Management Hands On

7. Shell Scripting

10 lessons

- Section 6 Overview
- Introduction To Shell
- Making Our First Shell Script
- If Else Scripts
- For Loop Script
- Do While Loop Script
- Case Statement Script
- Set A User Id Using Shell Script
- Some Commonly Used Scripts
- History Of Shell

3

LEVEL 3

Advanced

Linux Networking · Disk Partition · Projects

1 month · **5** modules · **128** lessons · **₹5,500**



8. Linux Networking

73 lessons

- Section 7 Overview
- Client Server Relationship
- Enabling Internet On Linux
- Necessary Network Configurations And Internet Connectivity
- Network Components
- Understanding Network On Linux Hands On
- Network Files & Components
- Network Files And Components Hands On
- Common Network Commands
- Common Network Commands Hands On
- Curl & Wget
- Curl And Wget Hands On
- Nic
- Nic Bonding Hands On
- New Network Utilities
- New Network Utilities Summary Table
- Ssh & Telnet
- Ssh Configuration Hands On
- Ss Command
- Ss Command Hands On
- Curl & Ping Commands
- Curl Hands On.Mp4
- Ping Hands On
- Ftp (File Transfer Protocol)
- Ftp Server Hands On
- Scp Command
- Scp Command Hands On
- Resync Command
- System Updates And Repos (Rpm)
- Rpm Hands On
- System Updates And Repos (Yum)
- Yum Hands On
- System Updates And Repos (Dnf)
- Dnf Hands On
- Dnf Vs Yum
- System Upgrade And Patch Management
- System Upgrades And Patch Management Hands On
- Entire Automated Patching Script For Patch Management
- Creating Local Repository
- Creating A Local Repository Hands On
- Advanced Package Management (Apt-Get)
- Apt-Get Hands On
- Hostname / Ip Lookup
- Nslookup And Dig Command Hands On
- Dns
- Download Install And Configure Dns
- Ntp
- Chronyd Hands On
- Nginx
- Nginx Hands On
- New System Utility Commands
- New System Utility Hands On
- Squid Server
- Squid Server Hands On
- Web Servers
- Web Server Hands On
- Central Logger
- Rsyslog Hands On
- Os Hardening
- Os Hardening Hands On
- Traceroute
- Traceroute Hands On
- Tuning System
- Tuning System Hands On
- Firewall Management
- Firewall Management Hands On
- Docker
- Docker Hands On
- Docker Application
- Open Vpn
- Dhcp Server
- Ansible
- Nagios

9. Disk Partition

32 lessons

- Section 8 Overview
- Linux Run Levels
- Booting Process
- Steps Of Booting
- Linux Booting Process
- Systemd-Analyze Command
- Systemd-Analyze Command Hands On
- Motd (Message Of The Day)
- Motd Hands On
- Linux Storage
- Disk Partition
- Df Command Hands On
- Lvm
- Adding / Extending Lvm
- Lvm Hands On
- Swap Space
- Swap Hands
- Xfs_Info Command
- Xfs_Info Command Hands On
- Raid
- Raid Hands On
- File System Check
- Fsck Command Hands On
- System Backup And Dd Command
- Lsblk & Dd Command Hands On
- Nfs (Network File System)
- Nfs Hands On
- Sata & Sas
- Installing Mysql Server And Mariadb On Linux
- Installing Mysql Server And Mariadb On Linux Hands On
- Lamp Stack
- Important Linux Distribution (Detailed)

10. Projects

6 lessons

- Section 9 Overview
- Opening An Image File On Linux
- Project Overview Javaappshellscript
- Project Hands On 1
- Project Hands On 2
- Nginx Project Hands On

11. All About Resume

4 lessons

- Section 10 Overview
- Resume Workshop
- How To Apply?
- Linux Administrator Duties

12. Exam & Interview Prep

13 lessons

- Section 11 Overview
- Easy File & Process Management
- Easy File Permissions & Searching
- Easy Compression & Networking
- Easy System Info & Shortcuts
- Medium - File Management
- Medium Process Management
- Medium - File Permissions
- Medium - Searching
- Medium - Compression
- Medium - Networking
- Medium - System Information
- Medium - Shortcuts

Certificates & what comes next

You receive a certificate at the end of every level you finish. Join for a single level or the full programme — the choice is yours. Learners who stand out may be invited to work on live client projects as interns; these places are merit-based, limited, and depend on projects being available.