



# GETIN TECHNOLOGIES

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## **COURSE NAME: LINUX TRAINING**

[Visit our website for Course Fees and Course Duration](#)

### **Placement Eligibility:**

**Eligible:** Any Bachelor Degree, Any Master Degree, MBA

**Not Eligible:** Diploma

### **Class Mode:**

Classroom | Online | Recorded Session | AI Session

**If you have Completed Course, You want only Placements**

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# LINUX Syllabus

## Introduction to Linux

- Definition and types of operating systems
- Advantages of Linux
- History of Linux
- Popular Linux distributions (Ubuntu, CentOS, Fedora, etc.)
- Understanding the directory structure
- Navigation (cd, ls, pwd)
- File and directory manipulation (cp, mv, rm)
- File permissions (chmod, chown)
- Text manipulation (cat, grep, awk, sed)

## System Administration Basics

- Creating and managing users
- Assigning users to groups
- Managing processes (ps, top, kill)
- Introduction to systemd
- Starting, stopping, and managing services
- Package managers (apt, yum, dnf)
- Installing, updating, and removing software

## Advanced File System Management

- Symbolic links
- Hard links
- File and directory permissions
- Disk partitions and filesystems
- Mounting and unmounting filesystems
- Disk space management (df, du)

## Networking in Linux

- IP addressing and subnetting
- Network configuration (ifconfig, ip)

- DNS and hostname resolution
- Introduction to iptables or nftables
- Configuring a basic firewall

## Shell Scripting

- Writing and running basic scripts
- Variables, conditionals, and loops
- Automating common tasks
- Using cron for scheduling tasks

## Security and System Monitoring

- User authentication and passwords
- SSH configuration and key management
- Monitoring tools (top, htop)
- Log files and system logs

