



**National Institute of Technical Teachers
Training and Research Chandigarh**
(Ministry of Education, Government of India)

Computer Science & Engineering Department

4 to 6 Weeks Industrial Training Program for Students

on

Linux Fundamentals and Networking

Mode: Online/Offline

Structure: Hands-on Training + Project Development

➤ **Tentative Topics to be covered**

- Introduction to Linux Operating System, Distributions, Architecture, and File System Hierarchy
- Linux Installation, Virtual Machines, User Administration, and File Permissions, Ownership, and ACLs
- Software Package Management using RPM/YUM/DNF and Local Repository Configuration
- Process Management, Service Control, Job Scheduling, and Shell Scripting Basics
- Archiving, Compression, File Attributes, Hashing, and File Integrity Verification
- Installing and Configuring FTP Server, Secure File Transfer, and File Sharing Services
- Installing and Configuring Apache Web Server and Virtual Hosting
- Installing and Configuring DNS and DHCP Servers
- Installing and Configuring Mail Server and Squid Proxy Server
- Integrated Linux Server Deployment, Security Hardening, and Troubleshooting
- Introduction to Network Topologies, OSI Model, and TCP/IP Model
- Network Media, Cabling Standards, and Structured Cabling Practical
- Protocol Standards, Client-Server Model, and IPv4 Addressing Fundamentals
- IPv4 Subnetting Concepts and Practice
- Subnetting Exercises and Problem Solving
- IP Addressing Practice using Cisco Packet Tracer and Introduction to IPv6
- Network Adapters, Hubs, Switches, and Routers
- IP Routing Concepts and Routing Protocol Fundamentals
- Router CLI Configuration and VLAN Configuration on Cisco Systems Switches
- Network Troubleshooting using Hardware and Software Tools
- Project Development

Fee: Rs.1750 + 18% GST per week

Total Fee : 4 Weeks : Rs.7000 + 18% GST = Rs.8,260/-

Total Fee : 6 Weeks : Rs.10500 + 18% GST = Rs.12,390/-

Contact : 9914496715

Registration Link: <https://www.nittrchd.ac.in/studentcorner/stdtrg.php>

Note:

1. Fee includes only Training Cost
2. Certificate will be provided to the students who successfully complete the Training & Project Development
3. Daily 2 hrs classes will be held. 100% attendance is compulsory.
4. A very limited Hostel accommodation may be provided (if available) to those students who are coming from far off areas or from other States. Hostel & Mess will be charged as per the Institute norms.