



Technocation Freelancing Training Institute & Software House

Networking Training Certification Course Outline

MODULE 1: What is Networking?

- Networking means connecting computers.
 - It helps share files and data.
 - Internet is also a big network.
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MODULE 2: Types of Networks

- LAN is a small local network.
 - WAN is a large wide network.
 - Wi-Fi is a wireless network.
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MODULE 3: Network Devices

- Router connects devices to internet.
 - Switch connects many computers.
 - Modem gives internet from ISP.
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MODULE 4: IP Address Basics

- Every device has an IP address.
 - It works like a digital home address.
 - It helps send data to the right place.
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MODULE 5: Network Cables & Wireless

- Cables carry data like roads.
- Wi-Fi sends data without wires.
- Both connect computers to network.

MODULE 6: Client & Server

- Client asks for information.
 - Server gives information back.
 - Example: Browser (client) + Website (server).
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MODULE 7: DNS (Domain Name System)

- DNS changes website names into IP.
- Easy names like google.com are used.
- It finds the right computer on internet.

MODULE 8: Data Transfer

- Data moves in packets.
- Packets travel across the network.
- They reach the correct device safely.

MODULE 9: Internet Protocols

- HTTP is for web pages.
- FTP is for file transfer.
- Email works on SMTP/IMAP.

MODULE 10: Network Security

- Passwords keep network safe.
- Firewalls block bad access.
- Antivirus protects from attacks.

MODULE 11: Cloud Networking

- Cloud stores data online.
- You can access it anywhere.
- Examples: Google Drive, iCloud.

MODULE 12: Certification Module

- Revise all networking topics.
- Complete a small project.
- Get your "Junior Networking Expert" certificate.

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