

Hardware and Networking Course - 60 Days

Day	Module	Topics Covered
1-2	Introduction to Computers	Basics of Computer Hardware, Software, Operating Systems
3-5	Hardware Components	CPU, RAM, Motherboard, Storage Devices (HDD, SSD), Power Supply
6-8	Assembling a PC	Components Selection, PC Assembly, Boot Process
9-10	BIOS & UEFI	BIOS Functions, Settings, Firmware Updates
11-13	Storage Devices & Management	HDD vs SSD, Partitioning, Formatting, Disk Management
14-15	Peripherals & I/O Devices	Printers, Scanners, Monitors, Keyboards, External Drives
16-18	Operating System Installation	Installing Windows & Linux, Dual Boot, Troubleshooting OS Issues
19-20	Device Drivers & Software	Installing Drivers, System Utilities, Updates
21-23	Networking Basics	LAN, WAN, MAN, Internet, Network Topologies
24-26	Networking Devices	Switches, Routers, Modems, Network Interface Cards
27-28	IP Addressing & Subnetting	IPv4, IPv6, Subnetting Concepts, CIDR
29-30	Cabling & Connectors	Ethernet Cables (Cat5, Cat6), Fiber Optic, Connectors (RJ45, Coaxial)
31-33	Configuring a Network	DHCP, DNS, Static & Dynamic IP Configuration
34-35	Network Security Basics	Firewalls, Antivirus, VPNs, Encryption
36-38	Wireless Networking (Wi-Fi)	SSID, WPA2, Configuring Routers, Troubleshooting Wi-Fi Issues
39-40	Remote Access & Virtualization	RDP, VPN, Virtual Machines (VMware, VirtualBox)
41-43	Network Troubleshooting	Ping, Traceroute, Netstat, Wireshark
44-46	Introduction to Servers	Types of Servers, Configuring Windows & Linux Servers
47-48	Cloud Computing Basics	AWS, Azure, Google Cloud, Virtualization
49-50	Backup & Disaster Recovery	Data Backup Strategies, RAID, Cloud Backup Solutions
51-53	Advanced Network Security	Ethical Hacking Basics, Intrusion Detection, Security Audits
54-56	Practical Lab & Real-World Projects	Hands-on Network Setup, Troubleshooting Scenarios
57-58	Industry Certifications Overview	CompTIA A+, Network+, CCNA, Microsoft Certifications
59	Final Review & Assessment	Q&A, Hands-on Assignments
60	Certification & Conclusion	Final Test, Course Completion Certificates