

IT Fundamentals (CompTIA A+)

COURSE OUTLINE



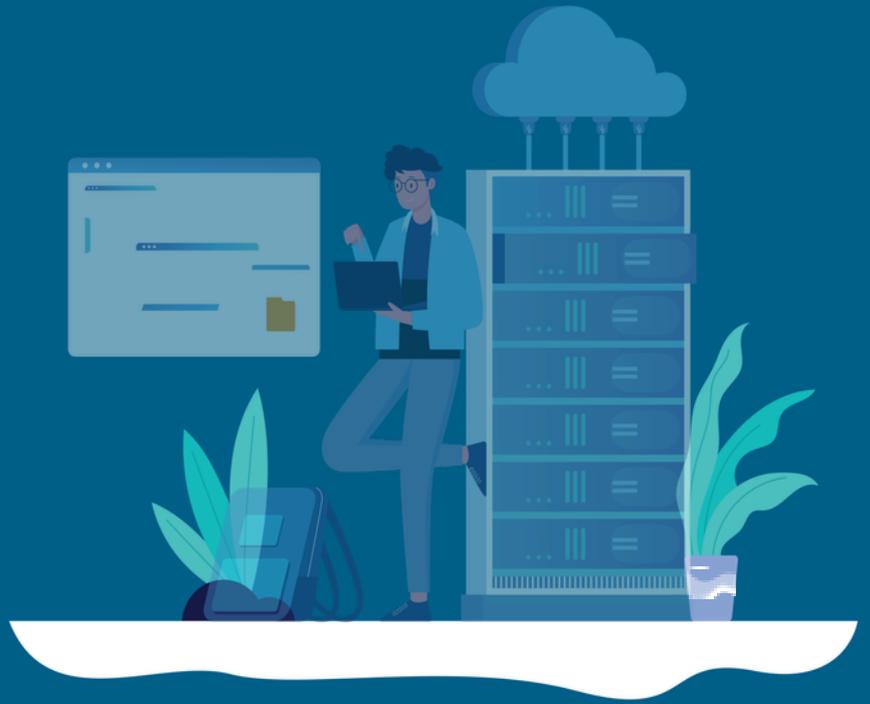
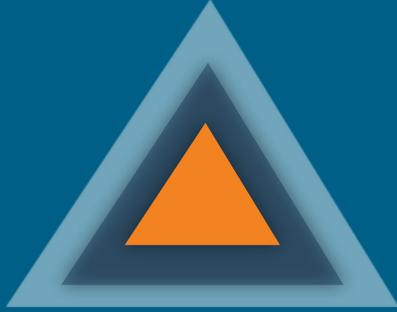
TABLE OF CONTENT

1	Overview	3
2	Roadmap of Job Placements	4
3	USP's	5
4	Course Outline	6-10
5	Our Placement Partner	11



NS3EDU: BRIDGE
YOUR

IT DREAMS
TO REALITY



EMPOWERING CAREERS THROUGH KNOWLEDGE

Looking to make it big in the world of IT networking? Look no further than NS3Edu! We help beginners learn the ropes & experienced pros master new skills. Come join us and build your dream career!

MISSION

The mission of NS3Edu is to

empower our candidates with in-depth knowledge of IT fundamentals along with real-time industry experience and also take 100% responsibility for the placement by making them Industry fit.

CERTIFICATES



VISION

In-depth knowledge + hands-on experience + analytical thinking = placement



Learning



Opportunity



Experience



Career



ROADMAP OF JOB

PLACEMENT

Confused
in **Different**
Career Options



Qualifies- Job
Placement

Career Diagnosis
System



Opportunities for
Job Placement

Counselling & Demo
sessions



Screening by **Corporate HR**
& **Tech Team**

Student **Enrollment &**
Induction session



2 Week **Technical**
Task Training

Course Kick off
(Live Classes)



NS3 Tech Industrial
Exposure

Access to Recorded
Sessions,
E book & Lab Manual



Course Completion

WHAT MAKES US UNIQUE?

USP'S

Industry Demand &
Customized Courses



Course Outline

LEVEL 1: Computer & Hardware Fundamentals (Beginner Level)

Part 1: Introduction to IT & Computers

- What is Information Technology
- IT Career Paths Overview
- Types of Computers
- Computer Components Overview
- Input, Output & Storage Devices

Part 2: Computer Hardware Components

- CPU (Processor) Basics
- Motherboard Components
- RAM Types & Usage
- Hard Disk vs SSD
- Power Supply & Cooling

Part 3: Laptop, Desktop & Peripheral Devices

- Desktop vs Laptop Architecture
- Printers, Scanners & External Devices
- Display Devices
- Ports & Connectors
- BIOS / UEFI Basics

Part 4: Hardware Installation & Maintenance

- PC Assembly Basics
- Hardware Compatibility
- Preventive Maintenance
- Troubleshooting Hardware Issues
- Safety & ESD Precautions

LEVEL 2: Operating Systems & Networking Basics (Intermediate Level)

Part 5: Operating Systems Fundamentals

- What is an Operating System
- Windows OS Architecture
- Linux OS Overview
- macOS Basics
- OS Installation & Configuration

Part 6: Windows Administration Basics

- User Accounts & Permissions
- File Systems (NTFS, FAT32)
- Device Manager
- Control Panel & Settings
- Windows Troubleshooting Tools

Part 7: Networking Fundamentals

- What is Computer Networking
- LAN, WAN, MAN, PAN
- Network Devices (Router, Switch, Modem)
- IP Addressing Basics
- Wired vs Wireless Networking

Part 8: Internet, Email & Cloud Basics

- How Internet Works
- Web Browsers
- Email Protocols (SMTP, POP3, IMAP)
- Cloud Computing Basics
- SaaS, PaaS, IaaS Overview

LEVEL 3: Security, Troubleshooting & IT Support (Professional Level)

Part 9: IT Security Fundamentals

- What is Cyber Security
- Malware Types
- Antivirus & Firewall Basics
- Password Policies
- Physical Security Basics

Part 10: Troubleshooting Methodology

- IT Troubleshooting Steps
- Identifying Hardware Issues
- OS & Software Troubleshooting
- Network Connectivity Issues
- Performance Optimization

Part 11: Mobile Devices & IoT

- Smartphones & Tablets
- Mobile OS Overview
- Mobile Device Security
- IoT Devices Basics
- Troubleshooting Mobile Issues

Part 12: IT Support & Helpdesk Skills

- IT Support Roles
- Ticketing Systems Overview
- Customer Communication Skills
- Documentation & Reporting
- SLA & IT Best Practices

Part 13: Real-World IT Support Labs

- Desktop Setup & Configuration
- OS Installation Lab
- Network Connectivity Lab
- Troubleshooting Case Studies
- Helpdesk Simulation



Part 14: Career & Certification Preparation

- CompTIA A+ Certification Overview
- Exam Structure & Domains
- IT Support / Helpdesk Roles
- Interview Questions & Scenarios
- Resume & Job Preparation
- Mock Interviews

OUR PLACEMENT PARTNERS



YOUR FUTURE OUR RESPONSIBILITY



Free consulting



Get trained with certified trainers



24X7 Lab access



Employability enhancement program



info@ns3edu.com



www.ns3edu.com



+91-9821442746



3rd Floor, B9, Block B,
Old DLF Colony, Sector 14,
Gurugram, Haryana 122007



NETWORK SECURITY



CYBER SECURITY



CLOUD SERVICE



FULL STACK DEVELOPMENT



DIGITAL MARKETING



DATA SCIENCE



AI ML LEARNING