CCNA

Course

ABOUT US:

WELCOME TO SNIT!

SNIT is an Institute dedicated to helping students to get their careers to succeed

through Digital Marketing Courses, Microsoft Azure Cloud, Computer Networking, and Software

Training programs.

We provide Course Certification Training Programs in Hyderabad for Google, Cisco, Microsoft Azure,

AWS, and many more. We have partnered with various companies and agencies to help place us

, students, in the best matching position with Companies.

SERVICES:

SNIT Solutions is a Private Limited organization. We provide managed IT Services and Digital Marketing

The agency that focuses on growing your business successfully.

Corporate Training services in various domains including Information Technology.

Students shall also be supported for placements from SNIT Training Institute after completing the Courses.

YOU SHALL ALSO GET TRAINED ON:

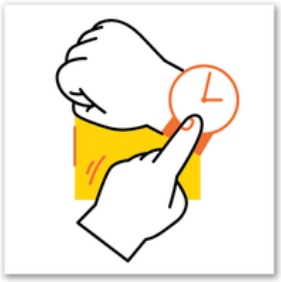
Interview Questions & Answers	Resume Writing	Mock Interviews

WHO CAN LEARN CCNA .?

The Cisco Certified Network Associate (CCNA) course is a popular choice for anyone interested in a career in networking. Here's who can benefit from taking the CCNA course

- **Students**
- **Working professionals**
- **Career Gap**
- **Help Desk Technicians**

COURSE HIGHLIGHTS:



30+ Hrs Hands-On

2+ Live Projects For Hands-On Learning

Practical Assignments

24/7 Lifetime Video Lectures Access

COURSE CONTENT

1. INTERNETWORKING OVERVIEW

- Basics of Network
- LANs, WANs, and the Internet
- Explain the Role and Function of Network Components
- Compare Physical Interface and Cabling Types
- Identify Interface and Cable Issues
- OSI and TCP/IP models
- Explain Virtualization Fundamentals (Virtual Machines)
- Controllers (Cisco DNA Center and WLC)

2. TOPOLOGIES

- Network Topology Architectures
- Describe small office/home office (SOHO)
- 2-tier,three tier Spine-leaf WAN
- On-premises and cloud

3. MEDIA

- Types of network media, including
- Coaxial cable, twisted-pair cable, fiber-optic cable.

4. NETWORK DEVICES

- Functions of various network devices
- Routers, Switchless and Hubs.
- Configuring the Access points
- Explain the next-generation firewall and IPS.

5. IP ADDRESSING AND SUBNETTING

- Types of Address

- IP Address
- Classes of IP Address
- Configure and Verify the need for IP addressing and Subnetting
- Difference between IP Version -IV & VI
- Configure and Verify IP VI Address
- Overview the need for private IP Addresses
- Assigning IP Address Types

6. WORKING WITH WIRELESS PRINCIPLE

- Non Overlapping Wifi Channels
- SID
- RF
- Encryption

7. OVERVIEW OF SWITCH CONCEPTS

- Mac Learning and aging
- Frame switching
- Frame flooding
- Mac Address Table

8. INFRASTRUCTURE SECURITY

- Enable and Secret Passwords 1
- Enable and Secret Passwords 2
- Line console security
- Telnet security
- Sessions and lines
- SSH
- Banners - Introduction and MOTD
- Login and Exec Banners
- Troubleshooting Telnet Issue
- Telnet troubleshooting

10. CONFIGURING VIRTUAL NETWORKS

- VLAN Overview
- Implementing VLANs and VLAN Security
- Configure and verify Trunk ports

11. ROUTER FUNDAMENTALS AND CONFIGURATIONS

- Router Components
- Internal
- External
- Booting Process of a Router
- Interconnect operating systems
- Working with Command Line Interface
- Router Configuration

12. IP ROUTING AND ROUTING PROTOCOLS

- Routing Overview
- Types of routing
- Different routing protocols
- Routing metrics
- Static routing

13. ROUTING INFORMATION PROTOCOL (RIP)

- Rip configuration
- Rip / v2 configuration

14. ENHANCED INTERIOR GATEWAY ROUTING PROTOCOL (EIGRP)

- Features and characteristics of EIGRP.

- Configure EIGRP

15. OPEN SHORTEST PATH FIRST (OSPF)

- Overview of OSPF
- Router Coordination for OSPF
- Area Parameters
- Cisco OSPF Implementation

16. CISCO DISCOVERY PROTOCOL (CDP)

- Configure and verify Layer 2 protocols
- CDP, LLDP

17. BASIC IP TRAFFIC MANAGEMENT WITH ACCESS CONTROL LISTS

- Describe the types
- Features and applications of ACLs
- Configuring ACL for a host – for a Network
- Establishing serial Point to point-to-point connection

18. ADDRESS TRANSLATIONS (NAT/PAT)

- Basic Operation of NAT
- Configure Static Network Address Translation (NAT)
- Configure Dynamic NAT and Port Address Translation (PAT)
- Troubleshoot NAT

19. CISCO VIRTUAL PRIVATE NETWORK

- Describe VPN technology
- Importance of VPN

- Benefits & Role
- Impact & Components

20. CONFIGURING DHCP

- Configure and verify DHCP
- Backup & Restore

21. INFRASTRUCTURE MANAGEMENT

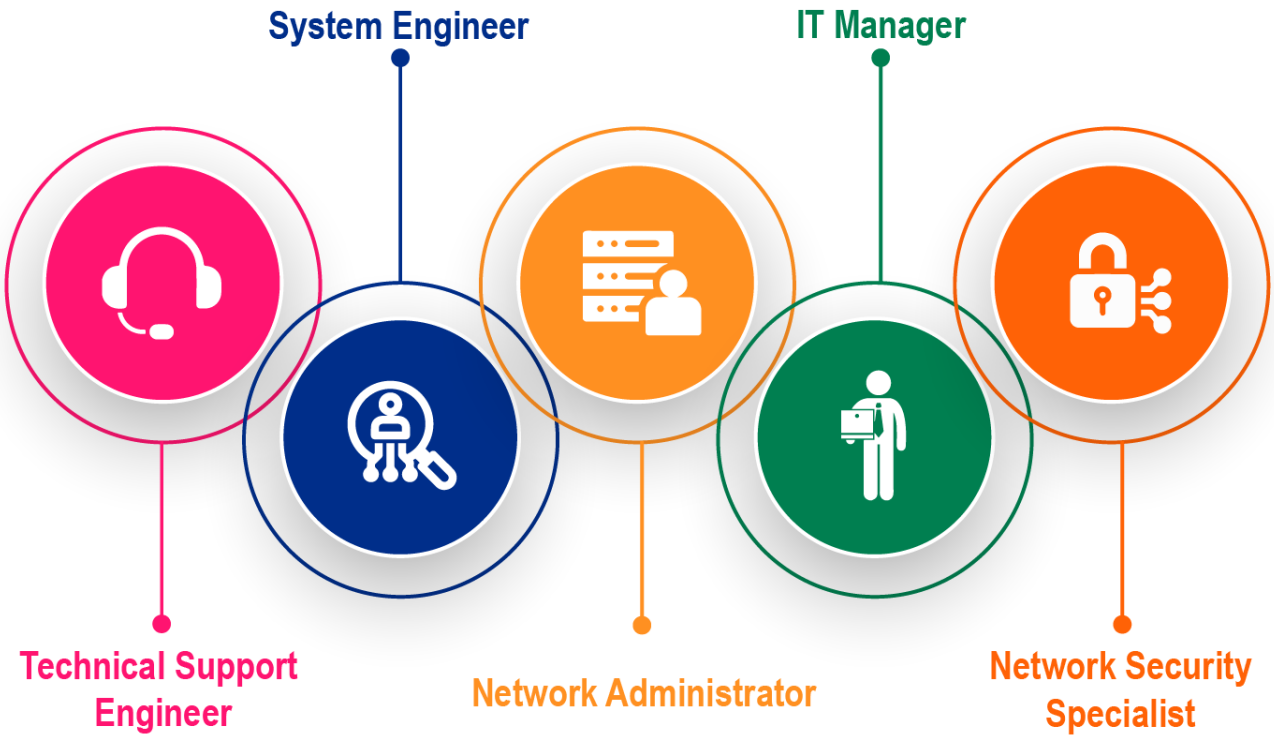
- Network monitoring and management tools (SNMP, Syslog, NetFlow, etc.)
- Network design and documentation
- Basic network troubleshooting techniques

22. VIRTUALIZATION FUNDAMENTALS

- Virtualization Components
- Hypervisor
- Virtualization guest
- Virtual appliance
- Virtual Switch
- Shared storage
- Virtual Storage

CAREER IN CCNA:

Getting CCNA certified can be a valuable addition to your career in networking. With the increasing demand for networking professionals, the certification can help you advance your networking career and can open numerous new and exciting career opportunities.



Master

the Network, Master Your Career with CCNA

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Google Reviews

4.9 ★★★★★

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