

Cisco Certified Network Associate

Why CCNA ?

- Certification by the Networking leader (Cisco)
- Recognized as the best foundation course in Networking world wide
- Will give you an 'edge' while seeking job opportunities



Who can attend ?

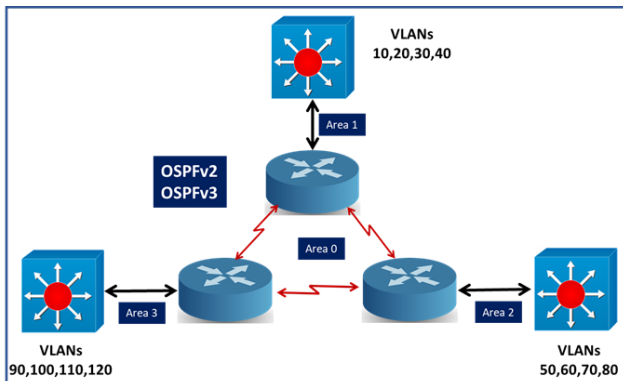
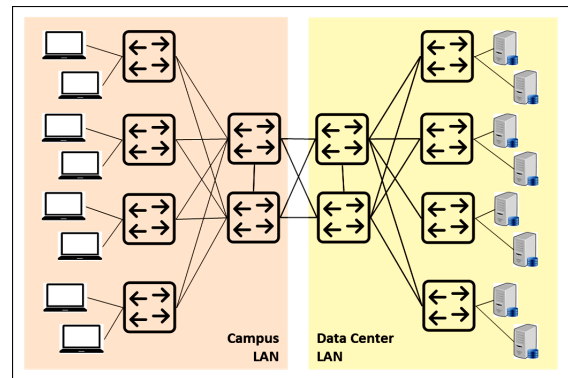
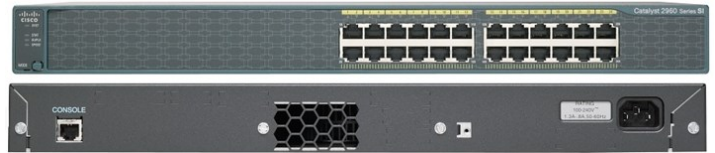
- Students (Engineering Graduates / Undergraduates) from any discipline
- Employees who wish to pursue their career in Networking Industry

Training Prerequisites

- None

Training method , Approach

- On-line sessions covering concepts, Technology details, lab exercises.
- Hands on practice on both real equipment and Simulators to consolidate your knowledge
- Study material / Notes for every session
- Assignments for practice during weekdays
- Offline support thro email, WhatsApp
- Regular assessments to check training effectiveness
- CCNA Exam practice for exam preparedness



Course Modules (Exam code : 200-301)

- Network Fundamentals
- Network Access
- IP Connectivity
- IP Services
- Security Fundamentals
- Automation and Programmability

Training Duration

- 72 hrs

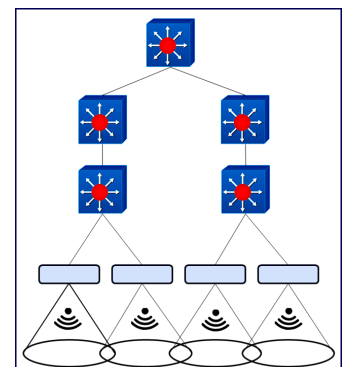
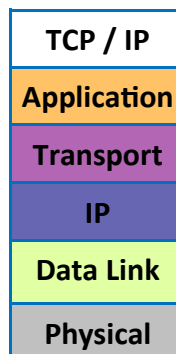
Course Fee (per participant)*

- Rs 15,000 (includes GST)

For course Schedule and to register :

- Post a message to : training@vigven.com
- Or Contact Mobile / WhatsApp : +91 9945722611, +91 9740529935

* Group discount available for Institutions, contact us for details



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Course Contents

- **CCNA Certification—Introduction**
- **Module 1: Networking Fundamentals**
 - 1) Introduction to TCP/IP Networking
 - 2) Fundamentals of Ethernet LANs
 - 3) Fundamentals of WANs and IP Routing
- **Module 2: Implementing Basic Ethernet LANs**
 - 4) Using the Command-Line Interface
 - 5) Analyzing Ethernet LAN Switching
 - 6) Configuring Basic Switch Management
 - 7) Configuring and verifying Switch Interfaces
- **Assessment (Module 1 and 2)**
- **Module 3: Implementing VLANs and STP**
 - 8) Implementing Ethernet Virtual LANs
 - 9) Spanning Tree Protocol Concepts
 - 10) RSTP and EtherChannel Configuration
- **Module 4: IPv4 Addressing**
 - 11) Perspectives on IPv4 Subnetting
 - 12) Analyzing Classful IPv4 Networks
 - 13) Analyzing Subnet Masks
 - 14) Analyzing Existing Subnets
- **Assessment (Modules 1 to 4)**
- **Module 5: IPv4 Routing**
 - 15) Operating Cisco Routers
 - 16) Configuring IPv4 Addresses and Static Routes
 - 17) IP Routing in the LAN
 - 18) Troubleshooting IPv4 Routing
- **Module 6: IPv4 Routing Protocols**
 - 19) Understanding OSPF Concepts
 - 20) Implementing OSPF
 - 21) OSPF Network Types and Neighbors
- **Assessment (Modules 1 to 6)**
- **Module 7: IP Version 6**
 - 22) Fundamentals of IP Version 6
 - 23) IPv6 Addressing and Subnetting
 - 24) Implementing IPv6 Addressing on Routers
 - 25) Implementing IPv6 Routing
- **Module 8 : Wireless LANs**
 - 26) Fundamentals of Wireless Networks
 - 27) Analyzing Cisco Wireless Architectures
 - 28) Securing Wireless networks
 - 29) Building a wireless LAN
- **Assessment (Modules 1 to 8)**
- **Module 9: IPv4 Services: ACLs and NAT**
 - 30) Introduction to TCP/IP Transport and Applications
 - 31) Basic IPv4 Access Control Lists
 - 32) Advanced IPv4 Access Control Lists
- **Module 10: Security Services**
 - 33) Security Architectures
 - 34) Securing network Devices
 - 35) Implementing Switch Port Security
 - 36) Implementing DHCP
 - 37) DHCP Snooping and ARP Inspection
- **Assessment (module 1 to 10)**
- **Module 11: IP Services**
 - 38) Device Management Protocols
 - 39) Network Address Translation
 - 40) Quality of Service
 - 41) Miscellaneous IP Services
- **Module 12: Network Architecture**
 - 42) LAN Architecture
 - 43) WAN Architecture
 - 44) Cloud Architecture
- **Assessment (module 1 to 12)**
- **Module 13: Network Automation**
 - 45) Introduction to Controller based Networking
 - 46) Cisco Software-Defined Access (SDA)
 - 47) Understanding REST and JSON
 - 48) Understanding Ansible, Puppet and Chef
- **Assessment (Module 1 to 13)**
- **Final Assessment**
- **CCNA Exam preparation**

Trainer — Profile



Samba Murthy (Samba) is a seasoned professional with over 36 years of experience of working with a wide range of technologies which includes RF/ MW, Telecom, Light wave, and Networking.

Samba has the unique experience of successfully delivering professional services / projects in pre-sale post sale, product management and in Engineering departments. Samba worked on the products developed by reputed organizations like Cisco Systems, IXIA, Spirent, Riverbed, Agilent Technologies, Think RF, Rhode & Schwartz etc. who all are leaders in their respective areas

Having worked in technically intensive tasks all through his career, Samba has excellent skills in transferring his knowledge to others. As a result, Samba continuously engaged himself in conducting technical training courses for both external clients and internal employees in all the organizations he worked. The clients include Telecom service providers, NEMs, Manufacturers, Educational Institutes, and Aero-Space-Defense establishments.



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