



## CCNA

(Cisco certified network associate)

### CCNA Foundation

The student will undertake a series of learning modules with tutor supports required. Work study is enhanced by digital video on CD with graphical illustrations and narration to reinforce the key concepts introduced in the course. For the student who have completed the A+, this sections will be for the revision of the key concepts required N+

- Basic networking concepts
- The OSI model networking adapters
- Introducing protocols
- Network cabling and devices
- Internetworking components
- Remote and WAN connectivity
- Troubleshooting hardware components
- TCP/IP fundamentals
- TCP/IP addressing and sub netting

#### ➤ **Net master-part B**

- Name resolutions
- Firewalls and proxies troubleshooting networking connectivity
- Identifying network operating system
- Features
- Network clients
- Directory services
- Accessing and managing resources in window network
- Monitoring and troubleshooting a window server
- Managing and troubleshooting Netware network resources
- Fault tolerance and disaster recovery Routine maintenance



- Troubleshooting
- Installing Netware 6.5
- Installing Window serves 2003

➤ **CCNA 01**

- Introduction to networking
- Networking fundamentals
- Networking Media
- Cable Testing
- Cabling Lans and Wans
- Ethernet Fundamentals
- Ethernet technologies
- Ethernet Switching
- TCP/IP protocol suite and IP Addressing
- Routing Fundamentals and subnets TCO/IP
- Transport and application Layer

➤ **CCNA02**

- Wans and Routers
- Introduction to routers
- Configuring a Routers
- Learning about other devices
- Managing Cisco IOS Software
- Routing and Routing Protocols
- Distances vectors Routing Protocols
- TCP/IP suit Error and controls Messages
- Basic Router Troubleshooting
- Intermediates TCP/IP
- Acces control List (ACLS)

➤ **CCNA 03**

- Introduction to classless Routing
- Single- Area OSPF



- EIGRP
- Switching concepts
- Switches
- Switching Concepts
- Switch Configuration
- Spanning tree Protocol
- Virtual Lans
- Virtual Trunking Protocol

➤ **CCNA 04**

- Scaling IP Addresses
- Wan Technologies
- PPP
- ISDN and DDR
- Frame Relay
- Introduction to network administration