

Course Name: CCNA	Course Duration: 60 hours
Class Schedule: Weekly 03days	Shift: Morning / Noon/ Evening / Weekend

Session	Title
Day 01	Introduction of Networking
	Network Basic (LAN/WAN)
	Network Topology, Network Devices
Day 02	Circuit Board (HUB/Bridge/Switch)
	Connection Mode (Simplex/Half Duplex/Duplex), Router Introduction
Day 03	Router Feature, Inter network connection, Path selection, Packet switching, Packet filtering
	Router Interface & Port, Router Protocols, Gateway, Domain (Collision/Broadcast)
Day 04	Cable Description (STP/UTP)
	Type of Cable
	Connection (Straight/Cross)
	Practical Work
Day 05 OSI Model	Application Layer
	Presentation Layer
	Session Layer
	Transport Layer
	Network Layer
	Data Link Layer
	Physical Layer
	DoD Model or TCP/IP Model
Day 06 IP Address	IP Construction
	IP Classification (details)
	Inserting of IP address
	Practical work
Day 07	IP Classification (details)
Day 08	Sub Netting(CIDR, Subnet Mask,WildMask,Prefix) Class A Sub Netting
	Class B Sub Netting
	Class C Sub Netting
Day 09	Sub Netting (VLSM)
Day 10	Sub Net Identification
	Network Identification
	IP address Identification
	IP Summarization
Day 11	Router Basic
Day 11	Router Basic (Hardware & Operating System)
Day 12	Router Basic Configuration part 1
Day 13	Router Basic Configuration part 2
	Practical work
Day 14	Router Basic Configuration part 3, Practical work

Day 15	Static Route, DHCP Configuration, Tenable Configuration
Day 16	SSH Configuration, NTP Configuration, Backup Configuration
Day 17	ARP
	Routing Table
	Static Routing
	Default Routing
Day 18	Dynamic Routing Protocols
	Difference between Major Dynamic Routing Protocols
Day 19	EIGRP Configuration (Theory & Practical)
Day 20	RIP Configuration (Theory & Practical)
	OSPF Configuration (Theory & Practical)
Day 21	OSPF Configuration (Theory & Practical)
	Redistribution EIGRP & OSPF
	Redistribution RIP & OSPF
Day 22	Access Control List (ACL)
Day 23	The three methods of Network Address Translation (NAT)
	Switch Basic
Day 24	Switch Basic (STP/ RSTP)
	Switch Configuration
	Switch security
Day 25	VLAN
	VTP
Day 26	VTP
	HSRP
	Ether Channel
	Login creation overview
Day 27	Switch Security
	IPV6
Day 28	IPv6
	PPP protocol
	Frame Relay
Day 29	VPN, BGP
Day 30	BGP Configuration