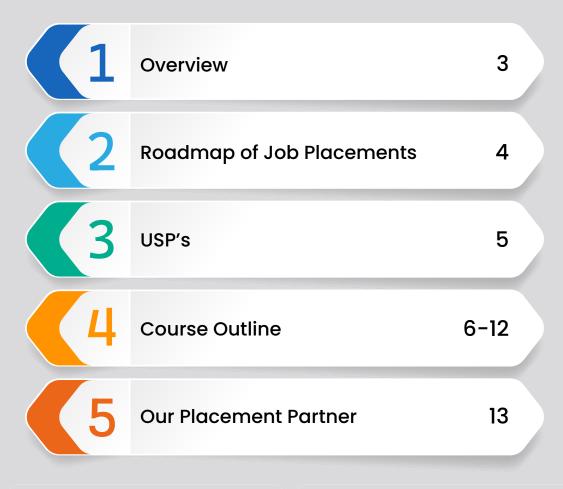


## CCNP ENCOR & ENARSI



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#### **NS3EDU:** BRIDGE 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!



#### **CERTIFICATES**







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.



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











# ROADMAP OF JOB PLACEMENT

Confused in **Different** Career Options





**Qualifies**Job Placement

Counselling & **Demo** sessions





Opportunities for **Job** Placement

Student Enrollment & Induction session





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

Course **Kick** off (Live Classes)





2 Week **Technical Task** Training

Access to Recorded Sessions, E book & Lab Manual





NS3 Tech Industrial Exposure

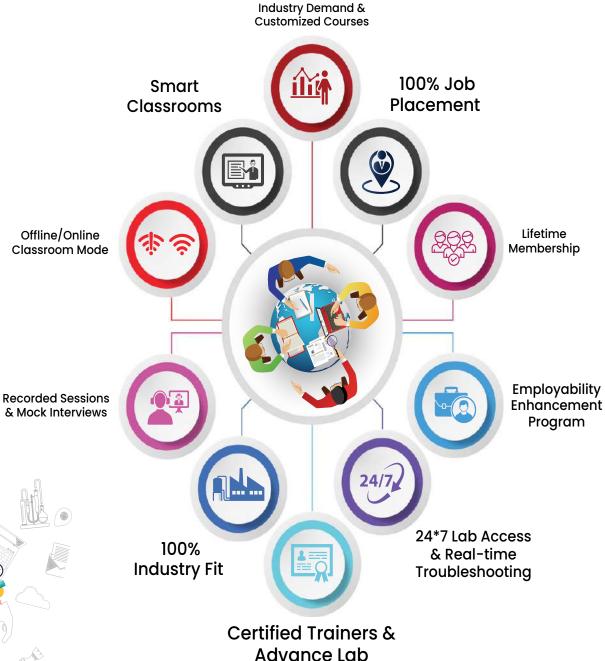


Course Completion

## WHAT MAKES US UNIQUE?

## USP's





#### **Course Outline**



#### Week 1

Day	Topic
1	CCNA and Over View Of CCNP Enterprise
2	Introduction Of TCP/IP Model, L2 Forwarding, Mac Address Table Concept
3	Vlan Introduction and configuration, Types of Vlan, DTP and Native Vlan
4	Trunk and Access port, Dynamic Auto and Dynamic Desirable practical, Concept of Sub Interfaces (Show Interval routing using routers).
5	Practical Day For All the topics we have covered.

Day	Торіс
6	Forwarding Architecture: - Process Switching, Cisco Express Forwarding (CEF)    Revision Day
7	Introduction To Spanning Tree Protocol (STP), Root Bridge Election, how to calculate Loop Free Topology
8	Basic practical of spanning tree on Rack, Root Bridge Manipulation method, Cost manipulation, explain STP Port states
9	PVST + and CST Difference, Show practical of load balancing
10	Introduction to RSTP, RSTP Port States, RSTP synchronization + Practical

#### **Course Outline**



#### Week 3

Day	Торіс
11	Topology change in PVST + and RSTP (compare and show which is better)
12	STP MechanismSTP Protection with practical (Root Guard, Loop Guard)
13	STP Protection: - BPDU Guard, BPDU Filter, UDLD [Practical on All the Protection Concepts]
14	Introduction To MST (Multiple Spanning Tree), Intra Region MST and Inter Region MST.
15	Introduction to VTP version1 & VTP Version2

Day	Торіс
16	VTP version 3 with Practical.
17	Introduction to ether channels, Requirement, Static, Dynamic (PAGP and LACP)
18	Practical of EtherChannel, Layer3 EtherChannel
19	Introduction to routing, static routing with packet flow on same and different Network.
20	Introduction to EIGRP, Messages in EIGRP, Neighborship Process





Day	Topic
21	EIGRP metric calculation process, DUAL
22	Equal and Unequal Cost Load Balancing with practical with offset list
23	Route Summarization on EIGRP, what is summarization (basic), EIGRP authentication
24	Route Filtering EIGRP (Distribution List: - Standard Acl, Extended Acl, Prefix-List & Route Map)
25	Introduction to OSPF, OSPF Neighborship and Adjacency process

#### Week 6

Day	Торіс
26	Explanation to LSA (type 1 and type 2)
27	Inter area OSPF operations, type 3 LSA with practical
28	Type 4 and type 5 LSA in OSPF, OSPF Authentication
29	OSPF Area types with practical
30	OSPF Path Selection (Intra Area Routes, Interarea Routes and Equal Cost Multipathing).

Day	Торіс
31	Summarization Of Routes and Route Filtering.
32	Redistribution (Basic and Advance)
33	OSPF Revision and One More Practical Day for the OSPF.
34	DHCP and DNS Packet Flow On the basis of Interview Purpose.
35	Introduction to BGP, why we use BGP, Single home, multi home, what is public and private AS



Day	Торіс
36	BGP Session Types, BGP Messages and BGP Neighbor States.
37	BGP neighborship process with practical (EBGP and IBGP)
38	Introduction to route advertisement in BGP with Practical
39	BGP Path manipulation attributes
40	Introduction to multicast, Multicast address range, multicast in LAN (introduction)

Day	Topic
41	IGMP Version 2&3 and IGMP snooping.
42	Introduction to QOS, Classification, marking.
43	Introduction to FHRP, HSRP
44	HSRP practical, HSRP preempt feature
45	Load Balancing in HSRP, Introduction to GLBP





Day	Торіс
46	Complete GLBP with practical. Introduction to VRRP with practical.
47	NAT on IOS, static, dynamic and PAT with practical, NTP
48	PBR with practical
49	SNMP and Syslog
50	DMVPN Phase1 with IPsec configuration

Day	Topic
51	Introduction to IPV6, Address types, you can add it in future
52	stateless autoconfig feature in IPv6, Static Routing with IPV6
53	Overlay networks, GRE tunnel with practical
54	IPSEC basic, ISAKMP, IKEv1, Explain negotiation process and phases (just an overview for the same)
55	Wireless (Describe Layer 1 concepts, such as RF power, RSSI, SNR, interference noise, band and channels, and wireless client devices capabilities)





Day	Торіс
56	Wireless (Describe AP modes and antenna types)
57	Describe the components of network security design (Threat Defense, Endpoint Security, NGFW, Network access control with 802.1x, MAB, and Web AUTH)
58	AAA
59	AAA
60	ASA

Day	Торіс
61	Data plane and management Security
62	uRPF
63	MPP Copp
64	NAT PAT
65	SPAN RSPAN





Day	Торіс
66	IP SLA and Net flow
67	MPLS
68	QOS
69	SD WAN
70	PREPARATION FOR INTERVIEW

Day	Topic
71	PREPARATION FOR INTERVIEW







## **OUR PLACEMENT** PARTNERS

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### **ACHIEVEMENTS**





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