



NS3EDU.

Learn Today  Earn Tomorrow

CCNP ENCOR & ENARSI



TABLE OF CONTENT

1	Overview	3
2	Roadmap of Job Placements	4
3	USP's	5
4	Course Outline	6-12
5	Our Placement Partner	13



NS3EDU: BRIDGE YOUR 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



MISSION

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.



VISION

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



Learning



Opportunity



Experience



Career



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**



Learning



Opportunity



Experience



Career

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.

Week 2

Day	Topic
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	Topic
11	Topology change in PVST + and RSTP (compare and show which is better)
12	STP Mechanism --STP 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

Week 4

Day	Topic
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, Neighborhood Process





Week 5

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	Topic
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).

Week 7

Day	Topic
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

Week 8

Day	Topic
36	BGP Session Types, BGP Messages and BGP Neighbor States.
37	BGP neighborhood 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)

Week 9

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



Week 10

Day	Topic
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

Week 11

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)



Week 12

Day	Topic
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

Week 13

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





Week 14

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

Week 15

Day	Topic
71	PREPARATION FOR INTERVIEW



Learn Today (\$) Earn Tomorrow



OUR PLACEMENT PARTNERS



Learning



Opportunity



Experience



Career

ACHIEVEMENTS



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