NS3EDU.

CCIE Service Provider
COURSEOUTLINE

TABLE OF **CONTENT**

NS3EDU: BRIDGE YOUR
YOUR
IT DREAMS
TO **REALITY**
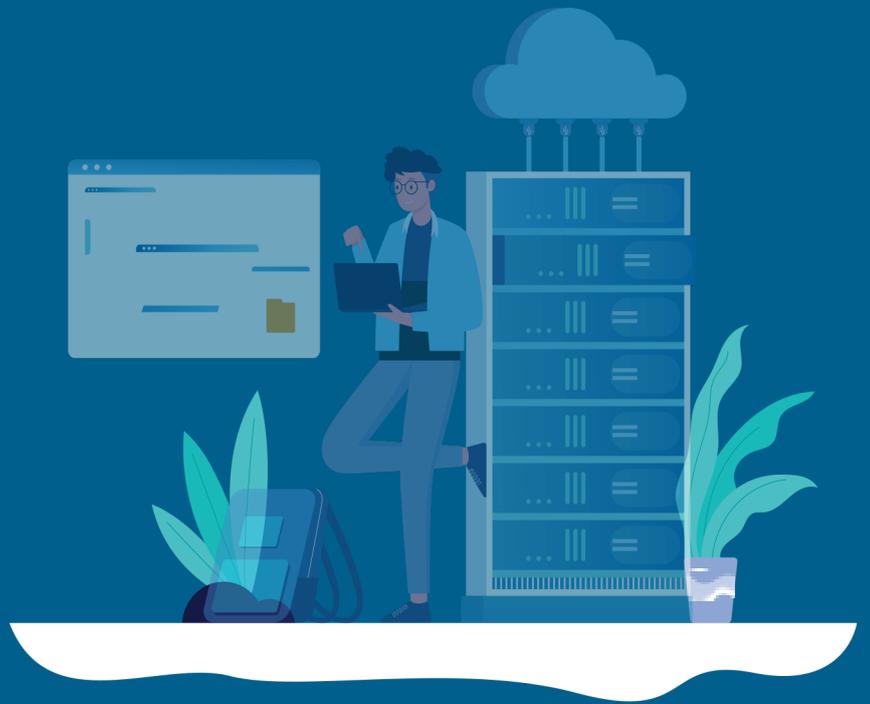
EMPOWERING CAREER
THROUGH KNOWLEDGE

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!

MISSION

Themissionof NS3Eduisto

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.

CERTIFICATES

VISION

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

ROADMAP OF
JOB
PLACEMENT

Confused in **Different** Career Options

Counselling & **Demo** sessions

Student Enrollment & Induction **session**

Course **Kick** off (Live Classes)

Access to Recorded Sessions, E book & Lab Manual

Qualifies- Job Placement

Opportunities for **Job** Placement

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

2 Week **Technical Task** Training

NS3 Tech **Industrial** Exposure

Course **Completion**

WHAT MAKES US UNIQUE?

USP'S

Industry Demand & Customized Courses

Smart Classrooms

100% Job Placement

Offline/Online Classroom Mode

Lifetime Membership

Recorded Sessions & Mock Interviews

Employability Enhancement Program

100% Industry Fit

24*7 Lab Access & Real-time Troubleshooting

Certified Trainers & Advance Lab

COURSE OUTLINE

(Week 1) Module 1: Architecture

- Describe service provider architectures
- Describe Cisco network software architecture
- Describe service provider virtualization
- Describe QoS architecture
- Configure and verify control plan security
- Describe management plane security
- Implement data plane security

(Week 2) Module 2: Networking

- Implement IS-IS (IPv4 and IPv6)
- Implement OSPF (v2 and v3)
- Describe BGP path selection algorithm
- Implement BGP (v4 and v6 for IBGP and EBGP

(Week 3)

- Implement routing policy language and route maps (BGP, OSPF, I
- Troubleshoot routing protocols
- Describe IPv6 transition (NAT44, NAT64, 6RD, MAP, and DS Lite)
- Implement high availability
- FlexVPN, DMVPN, and IPsec L2L Tunnels

(Week 4) Module 3: MPLS & Segment Routing

- Implement MPLS
- Describe traffic engineering
- Describe segment routing

(Week 5) Module 4: Services

- Describe VPN services
- Configure L2VPN and Carrier Ethernet
- Configure L3VPN
- Implement multicast services
- Implement QoS services

(Week 6) Module 5: Automation & Assurance

- Describe the programmable APIs used to include Cisco devices in network automation
- Interpret an external script to configure a Cisco device using a REST API
- Describe the role of Network Services Orchestration (NSO)
- Describe the high-level principles & benefits of a data modeling language, such as YANG
- Compare agent vs. agentless configuration management tools, such as Chef, Puppet, Ansible, and SaltStack

(Week 6)

- Describe data analytics & model-driven telemetry in service prov
- Configure dial-in/out telemetry streams using gRPC
- Configure and verify NetFlow/IPFIX
- Configure and verify NETCONF and RESTCONF
- Configure and verify SNMP (v2c/v3)

OUR PLACEMENT
PARTNERS

CISCO · HCL · Microsoft · airtel

Infosys · wipro · STL · DELL

BOSE · aws · velocis · hp · BT · Capgemini · poly · NETGEAR

intel · BOSCH · aruba (a Hewlett Packard Enterprise company) · IBM · F⫶RTINET · genpact · NTT · ARICENT

SailPoint · paloalto NETWORKS · netskope · CLOUDFLARE · tcs TATA CONSULTANCY SERVICES · Tech Mahindra · CSS CORP · KONVERGE TECHNOLOGIES

YOUR FUTURE OUR RESPONSIBILITY

Free consulting

Get trained with certified trainers

24X7 Lab access

Employability enhancement program

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NETWORK SECURITY

CYBER SECURITY

CLOUD SERVICE

FULL STACK DEVELOPMENT

DIGITAL MARKETING

DATA SCIENCE

AI ML LEARNING