Course Name	Cisco Certified Network Professional (CCNP) Enterprise
About the Course	Earning a CCNP Enterprise certification demonstrates your ability to scale and maintain enterprise networks to meet growing demands. Showcase your expertise in enterprise infrastructure, virtualization, assurance, security, and automation to influential employers
Key Skills You Will Learn	The Cisco CCNP Enterprise certification teaches skills related to implementing core enterprise network technologies, including: Security, Automation and assurance, Network programmability, Routing and services, SD-WAN, Python programming, Wireless connectivity, Switching paths
Course Pre-Requisite	Basic knowledge of how to implement LANs, Basic understanding of enterprise routing and wireless connectivity, Basic understanding of Python scripting, A general understanding of network fundamentals, A general understanding of how to manage and secure network devices
Target Audience	New or aspiring network engineers, Experienced network engineers, IT professionals who want to Broaden their networking skills, Pursue professional-level jobs in the ICT industry, Fulfill prerequisites to pursue other CCNP or CCIE certifications, Qualify for more advanced exams, Expand their professional network,
Job prospects with this role	Network engineer, Network administrator, Systems engineer, Network security engineer, Network designer
Course Duration	~ 70 Hrs (7 Hrs a week total ~ 10 Weeks)
Course Customisation	Not applicable
Certification	READYBELL CCNP Enterprise Certificate
Mode of Training	Instructor-led 100% Online or 100% Classroom (Salt Lake, Kolkata - India) or hybrid mode (Online + Classroom) as suitable for the learner
Course Fees	Please contact us
Refund Policy	Get a 3-hours free trial during which you can cancel at no penalty. After that, we don't give refunds
Job Assistance	Will assist candidate in securing a suitable job
Contact	**READYBELL SOFTWARE SERVICES PVT. LIMITED** **AH 12, SALT LAKE SECTOR 2, KOLKATA (INDIA) - 700 091** **E-MAIL: contact@readybellsoftware.com** **PH: +91 - 9147708045/9674552097, +91 - 33-79642872** ReadyBell Software Services Pvt. Ltd.

CURRICULUM		
Topic	**Sub-Topic**	**Duration (Hrs)**
Cisco Certified Network Professional (CCNP) Enterprise	Module 1: Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)	70 Hrs
	Examining Cisco enterprise network architecture	
	Understanding Cisco switching paths	
	Implementing campus LAN connectivity	
	Building redundant switched topology	
	Implementing layer 2 port aggregation	
	Understanding EIGRP	
	Implementing OSPF	
	Optimizing OSPF	
	Exploring EBGP	
	Implementing network redundancy	
	Implementing NAT	
	Introducing virtualization Protocols and techniques	
	Understanding virtual private Networks and interfaces	
	Understanding wireless principles	
	Examining wireless deployment options	
	Understanding wireless roaming and location services	
	Examining wireless AP operation	
	Understanding wireless client authentication	
	Troubleshooting wireless client connectivity	
	Introducing multicast protocols	
	Introducing QoS	
	Implementing network services	
	Using Network analysis tools	
	Implementing infrastructure security	
	Implementing secure access control	
	Understanding enterprise network Security architecture	
	Exploring automation and assurance using Cisco DNA center	
	Examining the Cisco SD-Access solution	
	Understanding the working principles of the Cisco SD-WAN solution	
	Understanding the basics of Python programming	
	Introducing network programmability protocols	
	Introducing APIs in Cisco DNA center and vManage	

Module 2: Implementing Cisco Enterprise Advanced Routing and Services (ENARSI)	
Configure classic EIGRP and named	
EIGRP for IPv4 and IPv6	
Optimize classic EIGRP and named	
EIGRP for IPv4 and IPv6	
Troubleshoot classic EIGRP and named EIGRP for IPv4 and IPv6	
Configure OSPFv2 and OSPFv3 in IPv4 and IPv6 environments	
Optimize OSPFv2 and OSPFv3 behavior	
Troubleshoot OSPFv2 for IPv4 and OSPFv3 for IPv4 and IPv6	
Implement route redistribution using filtering mechanisms	
Troubleshoot redistribution	
Implement path control using PBR and IP SLA	
Configure MP-BGP in IPv4 and IPv6 environments	
Optimize MP-BGP in IPv4 and IPv6 environments	
Troubleshoot MP-BGP for IPv4 and IPv6	
Describe the features of MPLS	
Describe the major architectural components of an MPLS VPN	
Identify the routing and packet forwarding functionalities for MPLS VPNs	
Explain how packets are forwarded in an MPLS VPN environment	
Implement Cisco IOS DMVPNs	
Implement DHCP	
Describe the tools available to secure the IPV6 first hop	
Troubleshoot Cisco router security features	
Troubleshoot infrastructure security and services	