CCNA Routing and Switching for CCNA Certification (3rd and 4th Module)

Objective of the Course:

This course is designed to impart knowledge about detailed knowledge of Computer Networks, various protocols used in Communication, Managing and configuring Cisco Switches and Routers and various WAN technologies.

Learning Outcomes:

After completion of the course the student will be able to manage Network for a small Organization

Duration of course-120 hours/12 weeks

Eligibility Criteria: Completion of CCNA Module-1 & Module-2

Outline of Course

S. NO.	TOPICS	Hours
1.	**MODULE 3:** Scaling Networks, LAN Redundancy, Link Aggregation, Wireless LANs, Adjust and Troubleshoot Single Area OSPF, Multi area OSPF, EIGRP, EIGRP Advanced Configurations and Troubleshooting, IOS Images and Licensing	60
2.	**MODULE 4:** Hierarchical Network Design, Connecting to the WAN, Point to Point Connections, Frame Relay, Network Address Translation for IPv4, Broadband Solutions, Securing Site to Site Connectivity, Monitoring the Network, Troubleshooting the Network	60
	Theory / Lecture Hours	60
	Practical Hours	60
	Total Hours	120

Books Recommended for Reading and Reference:

CCNA ROUTING & SWITCHING BY CISCO PRESS