

## CCNA Course Time Schedule:

| Day | Hours  | Lecture   |
|-----|--------|---|
| 1   | 4      | <ul style="list-style-type: none"> <li>• What is CCNA</li> <li>• Introduction internetworking?</li> <li>• OSI Reference Model and TCP/IP model and the differences</li> </ul>   |
| 2   | 4      | <ul style="list-style-type: none"> <li>• Ethernet Networks, cabling, and topology</li> <li>• Physical Layer , Data Link Layer</li> </ul>  |
| 3   | 4to6   | <ul style="list-style-type: none"> <li>• Network layer</li> <li>• Introduction to IP addressing, brodacst address, and subnetting</li> </ul>  |
| 4   | 4      | <ul style="list-style-type: none"> <li>• Data encapsulation</li> <li>• Application, presentation, session, and transport layers of OSI model (details)</li> </ul>   |
| 4   | 4to6   | <ul style="list-style-type: none"> <li>• Introduction to Cisco IOS</li> <li>• Practice on simulation router</li> <li>• Routing Protocols ,Distance Vector ,RIP v.1, IGRP</li> <li>• Link State , OSPF</li> <li>• EIGRP , RIP v2 , Route Summarization , VLSM</li> </ul> |
| 5   | 3 to 6 | <ul style="list-style-type: none"> <li>• Practice on real router</li> <li>• The Router Boot Sequence</li> <li>• Managing Configuration Register</li> <li>• Verify your configuration</li> </ul>   |
| 6   | 5      | <ul style="list-style-type: none"> <li>• Introduction Security (Perimeter, Firewall, and Internal Routers)</li> <li>• Access List , NAT</li> </ul>  |
| 7   | 4:6    | <ul style="list-style-type: none"> <li>• Switching Concept</li> <li>• STP</li> <li>• Configuring Catalyst Switch</li> <li>• VLANS basics</li> </ul>   |
| 8   | 4      | <ul style="list-style-type: none"> <li>• Introduction to wireless</li> <li>• Configuring wireless</li> </ul>  |
| 9   | 4      | <ul style="list-style-type: none"> <li>• Introduction to WAN</li> <li>• WAN Technology</li> </ul>   |
| 10  | 4      | <ul style="list-style-type: none"> <li>• Review</li> </ul>  |

