AARAV TECH SOLUTIONS

# CCNA TRAINING

**Duration : 2 Month**

**Mode : Online**

**Classes : Weekends**

**Eligibility : Graduation**

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# CCNA (CISCO CERTIFIED NETWORK ASSOCIATE) SYLLABUS

## Network Fundamentals

OSI and TCP/IP models • IPv4 and IPv6 addressing
Network topologies and types (LAN, WAN, WLAN, etc.)
Switching and routing concepts
Network device roles (routers, switches, firewalls, access points)
Network media and cables (copper, fiber optics)

## Network Access

- VLANs and trunking
- EtherChannel
- WLAN concepts
- Access point setup
- Wired and wireless LAN components
- Switching technologies (STP, RSTP)

## IP Connectivity

- Routing tables and static/dynamic routing
- IPv4 and IPv6 routing
- Inter-VLAN routing
- OSPF (single area)
- Routing protocol characteristics and metrics
- Routing Protocols: EIGRP, RIP (for foundational understanding)

## IP Services

- NAT and PAT
- DHCP (v4 and v6)
- NTP
- SNMP
- Syslog
- FHRP concepts (HSRP, VRRP, GLBP)

## Security Fundamentals

- Security concepts
- VPNs
- Layer 2 security features
- Access control lists (ACLs)
- Wireless security protocols

## Automation and Programmability

- Controller-based networking
- Software-defined networking (SDN)
- REST APIs
- Configuration management tools (Puppet, Chef, Ansible)
- Basic Python scripting for network automation

# Course Features

- 4 Months of Live Training
- 100% Placement Assistance
- Life Time Access of Recording Session
- Highly Experienced & Certified Trainer
- Access to our Premium Study Material
- Access to our Handwritten Notes
- 24/7 Lab Support
- Real-Time Scenario Configuration and Troubleshooting
- Soft Skill Training
- Complete Interview Preparation
- Resume Building
- Course Completion Certificate

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# THANKS FOR JOINING WEBINAR

For Enrollment process you connect below number:-

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