IVA Institute of Technology
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Mastering Enterprise Network

About This Training

Mastering Enterprise Network – All-in-One Professional Certification Program

100% Job Oriented | Online Training | English Medium

The **Mastering Enterprise Network Program** is a complete career-building package designed for students and professionals who want to build a strong career in networking, cybersecurity, and cloud technologies. This all-in-one program covers the most in-demand international certifications required in today's global IT job market.

- **Total Sessions:** 100
- **Total Duration:** 8.5 Months
- **Weekly Classes:** 3 classes per week
- **Each Class Duration:** 2 Hours
- **Training Mode:** Online (Live Sessions)

Fee & Installment Plan

- **Total Program Fee:** AED 9,500
- **First Payment:** AED 2,500
- **Remaining:** AED 1,000 × 7 months

Curriculum

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#	Topic	Description
1	**Cisco Enterprise Networking (CCNA + ENCOR + ENARSI)**	• OSI Layer • Subnetting – IPv4 • Spanning Tree Algorithm • VLAN & Layer 2 / Layer 3 EtherChannel • Inter-VLAN Routing Using Router • Port Security, PortFast, BPDU Guard, Root Guard • RSTP, PVST, MST • HSRP & VRRP Configuration • Introduction to Routing • Static Routing, Default Route, Floating Static Route • Introduction to EIGRP • EIGRP Neighbor Relationships • EIGRP Authentication, Summarization, Passive Interface • Default Route Injection into EIGRP • Access-List (Standard, Extended) • NAT / PAT • Route-Map, Prefix-List & Distribute-List • Route Redistribution between OSPF & EIGRP • OSPF Concepts – Day 1 • OSPF Concepts – Day 2 • OSPF Single & Multi-Area, LSA & Routes • OSPF Virtual Link & Authentication • OSPF Stub & Totally Stub Areas • OSPF NSSA, Broadcast & Point-to-Point Networks • OSPF Intra-Area Filtering (Type 3, ASBR) • ISP Load Balancing using Policy-Based Routing • IP SLA Configuration & Implementation • Introduction to BGP • Configuring eBGP & Peer Groups • BGP Multi-hop Peering with Loopback • BGP Next-Hop-Self & Backdoor Routes • BGP Attributes & Weight • BGP Local Preference & MED • iBGP Full Mesh & AS Path Prepending • BGP Communities • BGP Route Reflectors • DMVPN – Day 1 • DMVPN – Day 2 • MPLS Concepts • MPLS Protocols & VRF-Lite • MPLS Layer 3 VPN Configuration • IPv6 Concepts & Implementation • IPv6 Static Routing Configuration • EIGRP for IPv6 • OSPF & Dual Stack (IPv4 & IPv6) • IPv6 Tunneling over IPv4 • Configuring SNMPv3 • Implementing Syslog Server • GRE Tunnel Configuration

Fees

Regular: 10,000.00

Current: **9,500.00**

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Company Information

IVA Institute of Technology

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Generated on: 02 Nov 2026, 18:23 PM

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