



NETWORK IGNITE PROGRAMME

(CCNA, CCNP)

100%
Placement
Assistance

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contact@aimnxt.org www.aimnxt.org

THE STUDENTS WE'VE RECENTLY PLACED



D. Mahesh



Respo IT solutions

Job Role: Front-end Web Developer



D. Abhishek



Arun Kapital Networks

Role: Network Engineer L-1



K. Payn Manohar



Job Role: Associate Network engineer



Racha Lokesh



Job Role: Trainee .Net developer



Bandi ramya



Job Role: Associate Network engineer



P. Shirisha



Job Role: Associate Network engineer



D. Bala Vinay



Arun Kapital Networks

Job Role: Network Engineer



D. Madhusudan



Job Role: Associate Network engineer



P. Venkannababu



Role: Associate Network Engineer



M. Ashok Reddy



Job Role: Associate Network engineer



Velde. Srivastava



Job Role: Assistant System Engineer Trainee



Mohammed Zubair



Job Role: Network Engineer L1



G. Rithwini Sagar



Arun Kapital Networks



V. Venkateswarlu



Impacting Lives



A. Pradeep Chand



Impacting Lives



P. Venkata Harish



Job Role: Technical Engineer



J.Sudhakar
 Arun Kapital Networks



CH, Ashwith
 nipun
Empowering Lives



G. Poornima Satya Murthy
 nipun
Empowering Lives



M. Srikanth
 nipun
Empowering Lives



P. Rakesh
 nipun
Empowering Lives

Job Role: Associate Network engineer



D. Rajesh Babu
 Arun Kapital Networks

Job Role: Network Engineer



K. Balaraju
 nipun
Empowering Lives

Job Role: Associate Network engineer



Ansari
 Web Works
DATA CENTERS  IRON MOUNTAIN
DATA CENTERS

Job Role: Network Engineer L1



Santosh Kumar



Job Role: Network Engineer L1



K. Srinivas Rao



Job Role: Network Engineer L1



B. SUDHEENDRA REDDY



Role: ASSOCIATE IT ENGINEER

Hear from Our Students!



Hemabindhu Jonnalagadda

1 review • 0 photos



I have recently joined in aimnxt institute for the data analytics course the teaching is outstanding. They make us to understand each and every topic in easy way. We can freely ask any type of doubts about the topic. I am happy to my decision to join in this institute.



Shaik Farida

1 review • 0 photos



I recently joined Aimnxt for the Data Analyst course, I'm happy with my decision. The teaching quality is excellent. If there are any complex concepts they breakdown it and make us easy to understand every topic. We can freely ask any kind of doubts about the topic. And also staff is friendly and supportive, always ready to assist us. I'm sure it's a great place to learn and grow.



Madina Charan

Local Guide • 14 reviews • 17 photos



Yeah I got a good experience and friendly teaching. AimNxt is here to encourage new talents



Rithwini Sagar

2 reviews • 0 photos



Providing good placement and trainings with good knowledge and skills.



sai sudhakar

2 reviews • 0 photos



The best edutech providing quality of training 🏆 🏆 🏆



venky vr

1 review • 0 photos



Those who are wants to settle career in networking side this is the best coaching institute I have ever seen for freshers and upskilling students also.



Shankar

2 reviews • 0 photos



The instructors were incredibly knowledgeable and passionate about the subjects they were teaching. They went above and beyond to ensure that each participant understood the material and were always available for any questions or clarifications.



Kaya Charan

1 review • 0 photos



I would highly recommend AIMNXT Technology Institute to anyone looking to enhance their skills or gain specific knowledge in the tech industry.the commitment of the instructors make it an excellent choice for professional development.



M Priya

2 reviews • 0 photos



The best edutech company which provides quality trainings with best faculty and placement assistance to the students. Excellent infrastructure and committed faculty..



Nulu Veera Venkata Ratna Vineetha

4 reviews • 0 photos



It was a great experience for me with Aimnxt technologies.. They are providing good training I recommend every one to join in Aimnxt technologies

Premier Hiring Partners



Premier Hiring Partners



Modules:

1. Implementing and Administering Cisco Solutions (CCNA).
2. Implementing and Operating Cisco Enterprise Network Core Technologies (CCNP- 350-401 ENCOR).
3. Implementing and Operating of Firewalls (Cisco/Paloalto/Fortigate).
4. Implementing and Operating Enterprise Wireless Technologies (Cisco/ Aruba).
5. Human skills sessions.
6. Live Projects/Internship/Mock interview sessions.

Objectives:

The program is designed to provide individuals with the knowledge, skills and hands-on experience necessary to excel in the field of networking. Here are some key features and objectives of the AimNxt Networking Ignite Programme.

Comprehensive Networking Training: The program offers a comprehensive curriculum that covers various networking concepts, technologies, and protocols. Participants learn about network infrastructure, routing and switching, network security, wireless networking, network automation, and other relevant topics.

Hands-on Lab Experience: The Networking Ignite Programme emphasizes practical learning through hands-on lab exercises. Participants have access to real-world networking equipment and software tools to gain practical experience in configuring, troubleshooting, and managing network infrastructures.

Certifications: The program prepares participants for industry-recognized Cisco certifications, such as the Cisco Certified Network Associate (CCNA) and Cisco Certified Network Professional (CCNP) certifications. These certifications validate individual's networking knowledge and skills, enhancing their credibility and career prospects in the IT industry.

Industry-Relevant Skills: The Course focuses on developing skills that are in high demand in the industry. It equips participants with the ability to design, implement, and troubleshoot complex networks, ensuring that they are well-prepared for real-world networking challenges.

Industry Experts and Mentors:

The program offers access to industry experts and mentors who provide guidance and support to participants. These professionals share their knowledge and insights, offer career advice, and help participants navigate the networking industry effectively.

Career development and Job Placement Support: The Networking Ignite Programme assists participants in developing their careers in networking. It provides resources for resume building, interview preparation, and job placement assistance, helping participants leverage their acquired skills to secure networking-related positions.

The AimNxt Networking Ignite Programme aims to equip individuals with the necessary networking skills, certifications, and industry connections to succeed in their networking careers. It provides a structured learning path, hands-on experience, and support to help participants become proficient network professionals.

Overview

AimNxt Networking Ignite Programme (NIP) is the perfect start for an individual who wants to build, manage and support the enterprise IT infrastructure.

NIP helps to prepare for a wide variety of IT jobs, including:

- Infrastructure Engineer
- Network Engineer
- IT Specialist
- Wireless Specialist
- Firewall Specialist
- Network Technician
- Network/Systems Administrator
- Network Consultant

Duration:

Total- 180 hours (Including lab Hours).

One year LMS access and Lab assistance.

Module 1:

Implementing and Administering Cisco Solutions (CCNA) version 2.0

Implementing and Administering Cisco Solutions (CCNA) version 2.0 teaches learners how to install, operate, configure, and verify a basic IPv4 and IPv6 network, configure network components, such as switch, router, and wireless LAN controller, manage network devices and identify basic security threats.

CCNA – Cisco Certified Network Associate

- Network Fundamentals
- Network Access
- IP Connectivity
- IP Services
- Security Fundamentals
- Automation and Programmability

Module 2:

Implementing and Operating Cisco Enterprise Network Core Technologies (CCNP).

Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR) v1.1 training gives you the knowledge and skills needed to configure, troubleshoot, and manage enterprise wired and wireless networks.

Cisco Enterprise Network Core Technologies

- Enterprise Network Architecture and Design.
- Virtualization: Configuring and managing virtual LANs (VLANs), virtual routing and forwarding (VRF), and virtual device contexts (VDCs) to create logical network segments and optimize resource utilization.
- Infrastructure: Configuring and troubleshooting Layer 2 and Layer 3 switching technologies, spanning tree protocols (STP), link aggregation, dynamic routing protocols (such as OSPF and EIGRP), and quality of service (QoS) mechanisms.

- Network Assurance: Monitoring and troubleshooting network devices using tools such as Simple Network Management Protocol (SNMP), NetFlow, and Cisco DNA Centre. Implementing security features like access control lists (ACLs), secure device management, and threat Defense mechanisms.
- Security: Configuring network security measures to protect against various threats, including access control, firewall features, secure connectivity (VPN), and intrusion prevention systems (IPS).
- Automation: Understanding network programmability concepts, including software-defined networking (SDN), APIs, and automation tools like Ansible and Puppet. Configuring and managing network devices using programmable interfaces.

Module 3:

Implementing and Operating of Firewalls (Cisco/Paloalto).

Implementing and Operating Enterprise Firewall Technologies(EFT) helps you to acquire the knowledge and skills needed to configure, troubleshoot and manage enterprise Firewalls.

Introduction to Firewalls

- Understanding the role of firewalls in network security.
- Types of firewalls: packet filtering, stateful inspection, application-level gateways.
- Overview of Cisco, PaloAlto firewalls.

Cisco Firewalls

- Cisco ASA (Adaptive Security Appliance) overview.
- Configuring Cisco ASA using the command-line interface (CLI).
- Implementing access control lists (ACLs) and security zones.
- Configuring NAT (Network Address Translation).
- Intrusion Prevention System (IPS) configuration.
- High availability and failover configuration.

Palo Alto Networks Firewalls

- Introduction to Palo Alto Networks firewalls (PA Series).
- Initial setup and configuration of Palo Alto firewalls.
- Security policies and application control.
- URL filtering and threat prevention.
- User-ID and integration with Active Directory.
- Site-to-site VPN configuration.

Advanced Firewall Features

- Threat intelligence and advanced threat protection.
- SSL decryption and inspection.
- Application control and web filtering.
- Network segmentation and VLANs.
- Logging, monitoring, and reporting.
- Troubleshooting common firewall issues.

Best Practices and Security Considerations

- Firewall hardening techniques.
- Implementing secure remote access.
- Managing firewall rule sets and policies.
- Regular firmware updates and vulnerability management.

Module 4:

Implementing and Operating Enterprise Wireless Technologies(EWT) (Cisco/ Aruba).

Implementing and Operating Enterprise Wireless Technologies(EWT) helps you to acquire the knowledge and skills needed to configure, troubleshoot, and manage enterprise Wireless Networks.

Introduction to Enterprise Wireless Technologies

- Overview of wireless networking.
- Benefits and challenges of enterprise wireless technologies.
- Wireless standards and protocols.
- Cisco and Aruba wireless product portfolios.

Cisco Wireless Implementation and Operations

- Introduction to Cisco wireless solutions.
- Cisco wireless architecture and components.
- WLAN design considerations and best practices.
- Cisco wireless access point (AP) deployment and configuration.
- Wireless LAN controllers (WLC) configuration.
- WLAN security and authentication mechanisms.
- Cisco wireless network monitoring and troubleshooting.

Aruba Wireless Implementation and Operations

- Introduction to Aruba wireless solutions.
- Aruba wireless architecture and components.
- WLAN design considerations and best practices.
- Aruba access point (AP) deployment and configuration.
- Aruba Mobility Controllers configuration.
- WLAN security and authentication mechanisms.
- Aruba wireless network monitoring and troubleshooting.

WLAN Management and Policy Enforcement

- WLAN management systems and platforms
- Cisco DNAC for wireless management
- Aruba Airwave for wireless management
- Wireless policy enforcement and user access control
- Guest access and captive portals

Site Survey and RF Planning

- Wireless site survey methodologies
- RF planning and coverage considerations
- Predictive site surveys using design tools
- Performing active and passive site surveys
- Analysing survey data and optimizing WLAN performance

Module 5:

Human skills:

- Introduction to Leadership skills
- Leadership and influence
- Emotional intelligence
- Teamwork and Collaboration
- Communication Skills
- Presentations and public speaking
- Time management and organization

Module 6:

NIPLAB Setup:

Below are the components of lab setup and day to day practical sessions.

- Routers - 3 Nos.
- Next Generation Firewall -3 No.
- DNAC virtual access.
- L3 Switches -6 Nos.
- L2 switches – 10 Nos.
- Wireless Lan Controller- 2Nos.
- Wireless Access Points- 6 Nos.
- NAC Server-1

Next Step:

These are exciting times to work with technology. The IT landscape evolves daily, but through it all, knowledge of routing, switching, wireless and security technologies remain the core foundation on which you can build your career.

“Earning an AimNxt NIP(Networking Ignite Programme) is the gateway to a Rewarding and Demanding IT & Network career”

COURSES OFFERED

- | | |
|---------------------------|-----------------------------|
| • Data Science (AI, ML) | • Full Stack (Java, Python) |
| • Devops-AWS | • Business Analyst |
| • Networking (CCNA, CCNP) | • MERN/MEAN |
| • Cyber Security | (Full Stack Developer) |

100% Placement Assistance

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