



BUILD CYBER SECURITY EXPERTISE WITH

## Certified Cyber Security Associate (CCSA)



Accredited By:

**NASSCOM®**  
Certified Member

**MSME**  
Micro, Small & Medium Enterprises  
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**DSCI**  
PROMOTING DATA PROTECTION



[www.aimnxt.org](http://www.aimnxt.org)



**J. Sudhakar**  
 Arun Kapital Networks



**CH. Ashwith**  




**G. Poorna Satya Murthy**  




**M. Srikanth**  




**P. Rakesh**  




**D. Rajesh Babu**  
 Arun Kapital Networks



**K. Balaraju**  




**Ansari**  


Job Role: Associate Network engineer

Job Role: Network Engineer

Job Role: Associate Network engineer

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!

 H**Hemabindhu Jonnalagadda**

1 review • 0 photos



I have recently joined in aimmxt instituite 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 instituite.

 S**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

 R**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



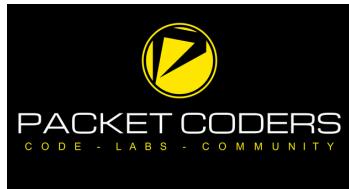
★★★★★

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



# High Impact Format



## Interactive Live Sessions

With expert faculty



## Hands-on Learning

With hackathons and virtual labs



## Mentor Support

Interaction with industry practitioners

## The Expanding Frontier of Cybersecurity

"India to have over **1.5 m** unfulfilled job vacancies in cybersecurity by 2025"<sup>1</sup>

**BusinessLine**



"Cyber Security Market to Cross **\$433.6 Billion** Revenue by 2030."

**CISION**



"India records huge cyber security skills gap, 60% companies report unfilled cyber security positions."

**ET THE ECONOMIC TIMES**

"By 2025, worldwide 45% organizations will have experienced attacks on their software supply chains."

**Gartner**



# Cyber Security Course Curriculum that embraces the rigour of a Cyber Security expert

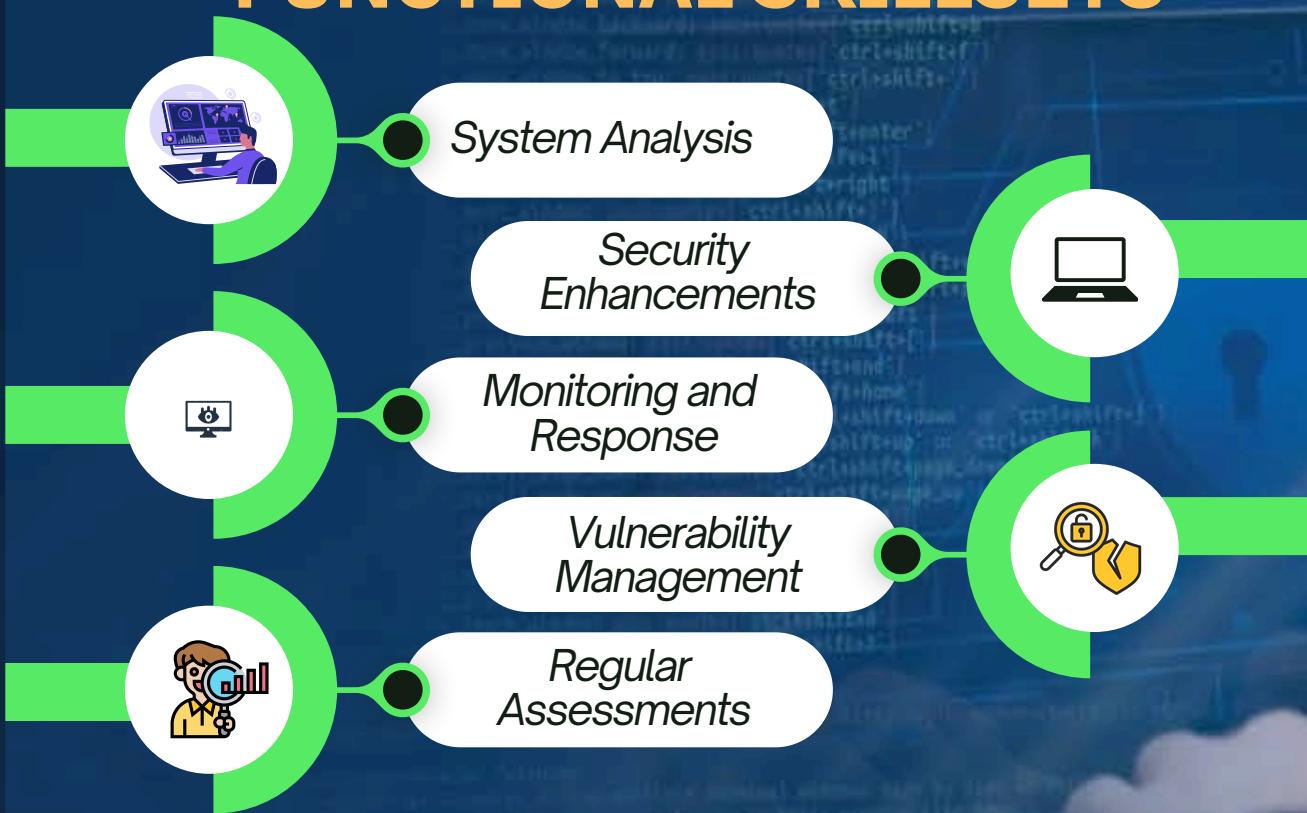
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## Objectives of the Course

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- ✓ Understanding the practical aspects of Cyber Securities frameworks and device control systems
- ✓ Designing and implementation with Hands on experience on Security information and event management (SIEM) and Security Operations Centre (SOC)
- ✓ Monitoring and safeguarding the log sources and security access
- ✓ Planning for disaster recovery in the event of any security breaches
- ✓ Monitor for attacks, intrusions and unusual, unauthorized or illegal activity
- ✓ Performs moderately complex log reviews and forensic analysis to identify unauthorized or unacceptable access to data or systems
- ✓ Conduct security assessments, risk analysis and root cause analysis of security incidents
- ✓ Use advanced analytics tools to determine emerging threat patterns and vulnerabilities
- ✓ Completing all tactical security operations tasks associated with this engagement. Analyses all the attacks and come up with remedial attack analysis
- ✓ Conduct detailed analysis of incidents and create reports and dashboards

# FUNCTIONAL SKILLSETS



## FUNCTIONAL SKILLSETS

**System Analysis:** Examining existing systems and networks to assess their security posture.

**Security Enhancements:** Developing encryption protocols, installing firewalls, and updating software to bolster security frameworks.

**Monitoring and Response:** Observing network traffic for unusual activity, detecting threats in real time, and responding to security incidents with detailed incident logs and reports.

**Vulnerability Management:** Identifying and patching detected vulnerabilities to fortify security.

**Regular Assessments:** Conducting comprehensive risk analyses, penetration tests, and other essential cyber security measures to ensure continuous protection.

# Course Outline

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## Introduction to Cyber Security and Cryptography.

- a. Introduction to Cyber Security Frameworks
- b. Understanding the world of Cryptography and Encryption.
- c. Introduction PKI infra understating in day to day.
- d. Decoding the usage of VPNs and remote access.
- e. Basics of IPSEC, TLS.
- f. Remote Access VPNs. AAA, MFA, SSO, Federation identity.
- g. Introduction to TOP Network protocols & related attacks.
- h. DNS, DHCP, ICMP, SNMP, Syslog, HTTP/S, FTP, SMTP.

## Network Security, Systems security, Application security, Forensics, Cyber security standards and frameworks and Compliance and Privacy frameworks.

- a. Introduction to Packet filters/Proxies and Firewalls.
- b. Packet filters.
- c. Proxy and reverse proxy.
- d. Stateful inspection.
- e. Next generation Firewall.
- f. Introduction to content filters.
- g. Introduction to Email systems and Email security systems.

## Understanding the world of Cyber Crimes and Cyber frauds

- a. Introduction to Viruses, Trojan horses, Malware, Adware, and Ransomware.
- b. Types of attacks possible and AV/EPP/EDR.  
(DoS, DDOS, Land Attack, ARP Spoofing, Bluejacking, DNS Spoofing & Poisoning, ICMP tunnelling).

## Exploring the world of Security information and event management (SIEM) and Security Operations Centre (SOC) for Incidence Handling and Risk Mitigation

- a. In this Module you will go through an Introduction to SIEM, its Key Objectives, Defence in Depth, Corporate environment, Log Management
- b. You will get an introduction to Splunk's user interface and will be conversant with the UI post this session.
- c. Start using Splunk's basic transforming commands and create reports, dashboards and alerts.
- d. You will start using Splunk Enterprise Security
- e. You will learn the different types of viruses: Boot sector, Program, Macro
- f. You will also learn types other than viruses: Virus Hoaxes, Trojan Horses, Worms, Spam, Adware, Spyware

# **Exploring the world of Security information and event management (SIEM) and Security Operations Centre (SOC) for Incidence Handling and Risk Mitigation**

- g. You will have clarity on what an Anti-Virus is, types of Anti-Virus products, how does Anti-virus work and examples of Anti-virus software's
- h. Learn more on Security Devices, Encryption, Reliable passwords, use of anti-virus software and modern advanced network security devices.
- i. Email: SMTP, Email system, webmail architecture - IMAP4 based, Email based attacks - social engineering, proxy server
- j. Cyber security incidence response: what is it?, examples, purpose of incident response, cyber security incidents, meantime to resolution etc
- k. Understand and Manage Vulnerabilities
- l. Gain Insights from a case study of how to prepare for an Interview for SOC Roles

## **Introduction to Cyber Threat intelligence.**

- a. Strategic, operational, and tactical cyber threat intelligence application & fundamentals
- b. Open source intelligence and campaigns
- c. Intelligence applications and intrusion analysis
- d. Analysis of intelligence, attribution, collecting and storing data sets
- e. Kill chain, diamond model, and courses of action matrix
- f. Malware as a collection source, pivoting, and sharing intelligence



# Most In-demand Cyber Security Career Opportunities in 2024

Information Security Auditor

Information Security Specialist

Information Security Analyst

Penetration Tester

Security Engineer

Risk/Vulnerability Analyst/Manager

Computer Network Defender

Cybersecurity Defense Analyst

Information Assurance (IA) Program Manager

Information Security (IS) Director

Systems Security Analyst

Cyber Defense Analyst

Warning Analyst

Cyber Defense Infrastructure Support Specialist

Exploitation Analyst

Vulnerability Assessment Analyst

Mission Assessment Specialist

All-Source Analyst

Target Developer



# Who should join this Cyber Security Certification Course

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## Ideal Profile

- ⌚ Current and /aspiring Cyber Security professionals across India and abroad
- ⌚ Tech professionals seeking a role change or career advancement
- ⌚ Graduate with relevant background and 1+ years experience
- ⌚ Diploma with relevant background and 3+ years experience
- ⌚ Exceptional college students may apply for special selection



# What should you expect from the Cyber Security Program?

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Accelerate your professional growth



Design defense systems against a range of security concerns



Fix vulnerabilities and minimize loss when breaches occur

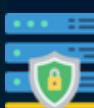


Coordinate between teams to ensure security compliance

Enable your organisation respond to cyber threats



Lead organization's entire security infrastructure



Empower team to monitor and secure company's network



Manage operations, budgets for company's security infrastructure.



## Application and Enrollment

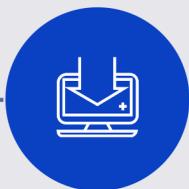
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Submit Profile



Attend Free Demo Session



Complete Enrollment

# AimNxt

School of Tech Leaders

For any enquiries

📞 +91 9059 16 9059 | 91 5239 5239

Program Partner

✉️ contact@aimnxt.org

👉 [www.aimnxt.org](http://www.aimnxt.org)

## Register Now

