

ady.
ADYAPAN

Adyapan School

Cyber Security



Duration - 2 months

Industry
Certification



Skill India Certified

250+
Partner Companies

Shield systems, Secure futures

From vulnerabilities to secure systems - become industry-ready.

This immersive Cyber Security program takes you beyond foundational concepts into real-world threat detection and defense. Learn network security, ethical hacking, cryptography, and risk assessment through hands-on labs and guided simulations. With a strong focus on practical implementation and industry-relevant scenarios, you'll graduate with the ability to identify vulnerabilities, secure systems, and respond effectively to modern cyber threats with confidence.

8

MODULES

30+

PROGRAM OFFERINGS

20,000+

STUDENTS

250+ PARTNERED COMPANIES

ABOUT ADYAPAN SCHOOLS

Where education meets real-world impact

Not just a course - a platform to launch
your career.

Adyapan Schools was built with a single conviction:
learning works best when it happens in the real world.
We partner with top companies, mentors, and industry
platforms to ensure every student graduates with a
portfolio of work that speaks louder than a certificate.

Our programs combine rigorous coursework with live
client projects, giving you the skills and proof-of-work
that employers actually want.

MISSION

To equip ambitious learners with
practitioner-level digital
marketing skills through mentor-
led, project-based education that
bridges the gap between learning
and earning.



VISION

To be India's most trusted
launchpad for the next generation
of marketing leaders - defined
not by degrees but by the real
work.



Everything you need to grow fast

PROGRAM HIGHLIGHTS

Live Industry Projects

Work on campaigns for real brands alongside your coursework. Build portfolio projects that prove your expertise to employers.

1-on-1 Mentorship

Dedicated mentors from Google, Microsoft, Mastercard and more. Get personalized guidance and industry connections.



AI-Powered Marketing

Learn cutting-edge AI tools alongside evergreen fundamentals. Stay ahead of the curve in a rapidly evolving landscape.



Dual Certification

Earn both a Course Completion and Internship Certificate – accredited by Skill India Digital Hub and NSDC.



Internship Guarantee

Graduate with an internship completion certificate from a live brand project. Concrete, resume-ready proof of work.



Industry Network

Join a network of alumni at Amazon, Google, Adobe, Microsoft. Access exclusive hiring events and referral opportunities.

CURRICULUM

8 weeks. 8 modules. Infinite impact.

WEEK 1

Networking & Cyber Foundations

- Discussion of curriculum
- OSI Model, TCP/IP stack, and TCP 3-way handshake
- Common protocols (HTTP, FTP, SMB, RDP) and their vulnerabilities
- CIA Triad, Cyber Kill Chain, and the importance of cybersecurity
- Unix kernel basics and introduction to simple cyber attack construction
- Threat-asset matrices and basic cyber security risk analysis



WEEK 2

Threats, Attacks & Malware

- Malware types, risk, threat, and vulnerability concepts
- DoS/DDoS attacks, botnets, and Man-in-the-Middle attacks
- Firewall, IDS, and IPS overview with Windows Firewall setup
- Indicators of Compromise (IOC) and open-source IOC platforms
- Wireshark packet capture and network traffic analysis



WEEK 3

Information Gathering & Reconnaissance

- Website recon using ping, traceroute, whois, Shodan, and VirusTotal
- Lab setup with Kali Linux and TryHackMe environment
- Nmap scanning for open ports and vulnerabilities
- Enumeration techniques and brute-force attacks
- Access control, authentication models, and Bell-LaPadula framework



8 weeks. 8 modules. Infinite impact.

WEEK 4

Cryptography & Authentication

- Symmetric and asymmetric encryption, public and private keys
- RSA SecureID, Kerberos, and canonical authentication protocols
- Cipher block chaining, Triple-DES, and block cipher fundamentals
- SSL/TLS and certificate authority-based cryptographic support
- OWASP Top 10 introduction and Burp Suite setup



WEEK 5

Web Application Security & Vulnerability Management

- XSS, SQL Injection, and path traversal labs
- Vulnerability management concepts and OpenVAS setup and reporting
- Cyber compliance frameworks — GDPR, HIPAA, CIS, and PCI DSS
- NIST and PCI enterprise compliance framework basics
- Doubt clearing and OpenVAS report discussion session



WEEK 6

Social Engineering & Email Security

- Social engineering techniques and phishing attack methods
- Email security protocols — DKIM, DMARC, and SPF in detail
- Password security and password cracking techniques
- MITRE ATT&CK Framework in detail with practical mapping
- Stateless and stateful firewalls — design and configuration



8 weeks. 8 modules. Infinite impact.

WEEK 7

Event Analysis, SIEM & Advanced Threats

- Event Log Viewer, Event IDs, and understanding SIEM architecture
- SIEM with Splunk and TryHackMe Blue Room lab
- Advanced Persistent Threats (APTs) and nation-state attack patterns
- Intrusion prevention systems and their enterprise limitations
- IoT security, blockchain risks, and critical infrastructure protection



WEEK 8

Cloud & Revision

- Hybrid cloud security and hyper-resilience approaches
- Mobile security and modern enterprise perimeter solutions
- Cybersecurity career paths — SOC analyst, ethical hacker, cloud security
- Revision, final doubt clearing, and practice completion



WHO THIS IS FOR

This course is perfect for

Students & Career Switchers

Cybersecurity Analysts

Ethical Hackers & Penetration
Testers

Privacy, Risk Management &
Digital Security Enthusiasts

Computer Science, IT &
Networking Students

System Administrators &
Network Engineers

CERTIFICATIONS



ALUMNI NETWORK

Our alumni work at world-class companies

Amazon

Adobe

Google

Autodesk

Microsoft

Deloitte

Your career switch is one click away.

Ready to begin? Apply at adyapanschool.com or email us at support@adyapan.com

Apply Now