



SETS

SETS Certificate Course on Advanced Network Security (SCANS)

Threat Hunting & Incident Response (TH & IR)



Course Objective

Developing quality manpower in various domains relating to cybersecurity is vital from the national perspective. Keeping in view the growing needs of cyber security professionals, SETS is launching a **Five-Day certification** programme titled **"SETS Certificate Course on Advanced Network Security - Threat Hunting & Incident Response (SCANS - TH&IR)"** to develop skill sets among Working Professionals, Teaching Faculty and Security enthusiasts. The course is designed to provide in-depth exposure to Cyber Security technologies and tools and to train the candidates to secure networks and systems from the ever-widening cyber-attack surface. It provides an insight into challenges faced in securing real-world network systems and defence mechanisms. The course prepares one to get oriented towards building a career in Cyber Security domain and it would be highly beneficial to the unemployed graduates with prerequisites to gain employable skills development. Also, candidates get acquainted with the use of the latest tools to prevent attacks, identify anomalies and safeguard networks with various techniques and solutions.

Course USP

- Hands-on experience in Cyber Security tools and get trained to focus on using top notch open-source security software.
- Experienced Faculty with rich R&D background.
- State-of-the-art infrastructure and labs.
- Exposure to the attack environment, and the latest technologies such as Threat Hunting and their applicability to security domains.
- Good opportunity for participants of SCANS to be industry ready and improve the employability skills of the hour.

Pre-Requisites

The candidates should have basic knowledge of Electronics, Networking, Operating Systems, Programming and Cyber Security concepts.

Course Content

Module 1: Cyber Security Essentials (One Day)

- Fundamentals of Computer Networking
- Cryptography and Network Security
- OS, Linux file systems, and scripting
- Python for Security
- Network Threat Landscape - Introduction to types of threat

Module 2: Threat Hunting (Two Days)

- Introduction to Threat Hunting & Threat Modeling
- Log Sources and its analysis
- SIEM & its Tools
- EDR & UEBA
- Incident Handling Process and Mitigation Techniques
- Vulnerability analysis
- Red Teaming

Module 3: Incident Response (Two Days)

- Introduction to Incident Response
- Threat Intelligence Platform and Indicators of Compromise (IoC)
- TTPs (Tactics, Techniques, and Procedures)
- Hunting of network-based threats
- Hunting of Host-based threats

Course Duration

FIVE Days full-time course from 02-06-2025 to 06-06-2025 (Monday-Friday) from 09:00 AM to 6:00 PM) with equal emphasis on theory and practical.

Eligibility & Selection

- Candidates who completed their Engineering (BE/B. Tech or Higher Qualification) or MCA/ M.Sc. in Electronics /Computer science/Information Science/Cybersecurity/AI related courses.
- Professionals who are keen on developing/enhancing their cybersecurity skills.
- Selection of candidates will be based on their academic records and the assessment made by the Academic Committee of SETS.

Important Dates

Opening Date of Online Application	17-03-2025
Last Date for applying online	21-04-2025
Announcement of selected candidates	30-04-2025
Last Date for Payment of course fee	31-05-2025
Course Commencement Date	02-06-2025
Course completion Date	06-06-2025

Course Fee

Selected candidates will be informed to pay Rs. 20,000 + GST (18%) through UPI/NEFT in favour of SETS payable at Chennai on or before the last date for payment of course fee. The payment details will be provided through email to the selected candidates. The course fee includes training kit, lunch, and refreshments. Limited accommodation can be arranged on a payment basis on a first come first serve basis.

About SETS

The Society for Electronic Transactions and Security (SETS) is a premier Research Institution under O/o the PSA to the Govt. of India. SETS performs R&D in the area of Cryptology and Computing, Hardware Security, Network Security and Quantum Security to meet the Nation's cybersecurity needs.

Venue



Society For Electronic Transactions & Security
MGR Knowledge City, CIT campus
Taramani, Chennai-600113


Course Coordinators

Mr. Krishna L
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 **044-66632519**

Registration Link



<https://setsindia.in/scans2025>



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(Under the O/o Principal Scientific Adviser to the Government of India)
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