



Hands-on Training on Cyber Attack, Response and Defense (CARD) for Government Officials



26th - 28th February 2020

Organised by

Society for Electronic Transactions and Security (SETS)

in association with

Information Security Education and Awareness (ISEA)

Cyber Attack, Response and Defense (CARD)

As Technology advances, cybercrimes advance. Cyber-attacks are carried out with just a few clicks today. This 3-day intensive course on Cyber Attack, Response and Defense techniques would assist government officials in meeting the security requirements and protecting the assets of their organization. Three modules designed as part of the course would focus on attacking, responding and defending the networks.

Ethical hacking module involves curriculum to hack into a system with the same tools as their criminal counterparts. Incident Response module will provide with techniques in extracting digital artefacts from volatile memory samples and malware analysis to quickly identify an attack. The last module will focus on defending the network with the help of intrusion detection and prevention systems.

The course covers the following:

- Hacking into a system in a simulated environment
- Memory analysis
- Malware analysis
- Firewalls
- Intrusion Detection and Prevention Systems
- Security Information and Event Management
- Linux Hardening

ABOUT SETS

Society for Electronic Transactions and Security (SETS) was set-up as a premier Research Institution to work in the area of Information Security under the Office of the Principal Scientific Adviser to the Government of India. It has established an Advanced Facility in Information Security and Cryptology working in the research areas of Information Security as Knowledge Centre with the following objectives:

- Knowledge Creation in Cryptology, Hardware Security and Network Security to meet the specific long-term and short-term needs of the Nation
- Knowledge Application by translating the knowledge created into solutions/products to meet the specific needs of the organizations in collaboration with academia and industry

- Knowledge Dissemination through sharing its expertise by organizing training programs, workshops and national conferences

SETS recently established Walk-in Cyber Security Educational and Research (WiCSER) Lab to demonstrate various attacks and defense mechanisms/use of indigenous solutions and open source tools to secure networks and systems. It has also initiated a Project Management Group on “AI-CS”.

About Information Security Education and Awareness (ISEA)

One of the key elements essential for information security is availability of right kind of qualified and well trained human resources, who could take up Research & Development (R&D), develop indigenous solutions/ software, secure and maintain various systems including critical infrastructure. Ministry of Electronics and Information Technology (MeitY) has launched Information Security Education and Awareness (ISEA) project since 2005. The project management of ISEA is being carried-out by C-DAC, Hyderabad with the help of Resource centres and participating institutes spread over the nation. Presently the second phase of this project is going-on with the following major objectives:

- Capacity building in the area of Information Security to address the human resource requirement of the country
- Training of Government Personnel
- Creation of information security awareness for masses

TARGET PARTICIPANTS	PRE-REQUISITES
<ul style="list-style-type: none"> • Engineers from R&D Labs • Government officials working in the area of Cyber Security, System Administration and Network Administration 	The Participants should have basic knowledge in Networking, Cyber Security concepts and working knowledge in Linux.
COURSE FEE	LAST DATE
<p>Rs. 5,000/-</p> <p>Course fee includes GST, Kit, Working Lunch, Tea and Snacks.</p>	Registration fee along with registration form should be sent to the Coordinator on or before 2 days of the each training programme starting date.
Venue:	
<p>Society for Electronic Transactions and Security (SETS) (Under O/o the Principal Scientific Adviser to the Govt. of India) MGR Knowledge City, CIT Campus, Taramani, Chennai - 600 113</p>	
<p>All communications should be addressed to: Dr. P. Nageswara Rao Training Coordinator Email: training@setsindia.net Mobile: 9884143131 Phone: 044 -66632506</p>	<p>For Technical Details: Mr. S. Karthikeyan Technical Coordinator Email: karthikeyan@setsindia.net Mobile: 9884158528 Phone: 044 - 66632518</p>