SOCIETY FOR ELECTRONIC TRANSACTIONS AND SECURITY (SETS)
(Under the O/o Principal Scientific Adviser to the Government of India)
MGR Knowledge City, CIT Campus, Taramani, Chennai - 600113 Tamil Nadu
www.setsindia.in

Strategy and Synergy for Security

Training Program on Artificial Intelligence for Cyber Security

30th – 31st May 2019 (2 Days)

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

Artificial Intelligence for Cyber Security

Artificial Intelligence (AI) is the key technology area today, cutting across all domains of Engineering and Science. AI plays major role in machine-assisted surgeries, finance, nuclear plant maintenance, autonomous cars and personalized personalized teaching and training. AI is the game changer for cyber security. AI helps in analysing massive quantities of risk data, to speed-up response times and augment the capabilities of under-resourced security operations. Without the help of AI techniques the security analyst would face difficulties to resolving incidents in a short timeframe. AI/ML techniques have been used for malware analysis, intrusion detection/ prevention system and anomaly detection. Recent network security perimeter devices also use these techniques for their better performance. By the integration of AI into the Security systems, the fast evolving cyber attacks can be identified and prevented to a larger extent. The main objective of this training is to introduce the participant to various aspects of AI/ML application to network security analysis.

The course covers the following:

- AI for Cyber Security
- Machine Learning Algorithms & Tools
- Data Cleaning
- Feature Engineering
- Deep Learning and its tools

- Artificial Neural Networks
- Hands-on on network traffic analysis using Artificial Intelligence
  Tools Used:
  WEKA, TensorFlow

TARGET PARTICIPANTS	PRE-REQUISITES
• Engineers from R&D Labs & Industry • Cyber Security Professionals • System Administrators • Network Administrators • Engineering College/ University faculty • Researchers	The candidates should have basic knowledge in Networking, Operating Systems, Programming and Cyber Security concepts.
	LAST DATE
	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: Society for Electronic Transactions and Security (SETS), Chennai (Near Tidel Park/Opp. to Ramanujan IT City Exit Gate No.3).	**COURSE FEE**
	Rs. 6,000/- Course fee includes GST, Kit, Working Lunch, Tea and Snacks.

All communications should be addressed to:
The Coordinator, Society for Electronic Transactions and Security (SETS), (Under the O/o the Principal Scientific Adviser to the Govt. of India), MGR Knowledge City, CIT Campus, Taramani, Chennai – 600 113
Email: training@setsindia.net   Mobile: 9884143131   Phone: 044 – 66632510

Strategy and Synergy for Security

Training Program on Artificial Intelligence for Cyber Security

REGISTRATION FORM

Name : …………………….....…………………..

Designation : ………………….…..………………...

Organisation: ………………………………….....……………...

Address:…………………………………………..…………………………………

………………….......…...…....…………...

Pin : …………………....................... **State :** ……………………...

Mobile : ……………………............. **Email :** ……………...

COURSE FEE

Artificial Intelligence for Cyber Security Training Fee – Rs. 6,000/-

The Registration fee may be paid through **Cheque**/ **Demand Draft / NEFT** in favour of **SETS** payable at **Chennai**.

SB A/C No. 430969098   **Bank Name: Indian Bank**   **Branch: LB Road**
IFSC: IDIB000L006   **GST IN 33AACTS6338P1ZY**

Details of Payment:

Bank Draft / Cheque / NEFT No. .... **Date:** ………………………………

Name of the Bank: .... **Amount:** ……………………………….

Date:

Place: **Signature**