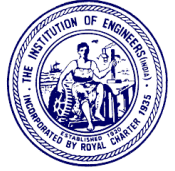




Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. Telangana, India



INFORMATION TECHNOLOGY DIVISION

ONLINE PROFESSIONAL DEVELOPMENT PROGRAMME



Cyber Security & Digital Forensic Tools

13 – 17 Dec 2021

(Three Hours per day)

Powered by



ESCIUpSkill
A Smart Learning Platform

30 Hours Online Interactive Sessions | 10 Hours Digital Learning | Cloud based Hands-on Practical
Online Assessment | 24/7 Experts Online Support

Introduction

In today's world, Information Technology is playing a pivotal role in business, most of the organizations and enterprises depend on different kinds of Information Technology solutions, say e-commerce, e-governance, e-learning, e-banking etc.. Battles between corporations, governments, and countries are no longer fought using physical force. Cyber war has begun and the consequences can be seen in everyday life. With the onset of sophisticated cyber-attacks, the need for advanced cyber security and investigation training became mandatory in the present day. If you or your organization requires the knowledge or skills to secure IT Infrastructure, Prevent Cyber attacks, in case of intrusion, identify, track and prosecute the cyber criminals, then this is the course for you.

Objectives

- This instructor-led course will provide you knowledge in Computer Security & Digital Forensic.
- This Course provides in-depth knowledge of new techniques and tools used in Cyber defence and forensic investigation to meet the toughest challenges in fighting cybercrime.

Course Coverage

- Cyber Security Overview
- types of Attacks
- Security Threats and Vulnerabilities
- Hacking Techniques,
- Information Gathering techniques
- System and Windows Security
- Overview of Computer Forensics
- Computer Forensics Investigation Process
- Digital Evidence First Responder Procedures
- Understanding Hard Disks and File Systems
- Windows Forensics
- Data Acquisition and Duplication
- Recovering Deleted Files
- Forensics Investigation Using Access Data FTK & EnCase
- Investigating Web & Mail Attacks
- Investigating Email Crimes
- Network Security
- Log Capturing and Event Correlation
- Tools for fingerprinting
- Network Monitoring and Management
- Port scanning & Network Traffic
- Wireless Security
- Investigating wireless attacks
- Mobile Security
- IT ACT/ ITAA 2008 INDIAN PENAL CODE

Training Prerequisites: All training attendees must be fluent in computer & Networking Skills . This Prerequisite material is available in ESCI LMS for preparation.

Methodology

Methodology of the programme includes

- Learning prerequisites skill through ESCI LMS Platform
- Online Video Interactive sessions with Cloud based Hand-on Practical,
- Online case studies, Sharing of experiences

(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

Target Participants

- System Administrators / Network Administrators/ IT Managers
- IT Professional of DRDO /DGQA /Defence / Forensic Labs
- Programmers / Professors / Faculty & Technical Staff of Engineering Collages .
- The program is designed for all IT professionals involved with information system security, computer forensics, and incident response

Benefits to the participants

- Enables Participants to practice various investigation techniques in a real time and a simulated environment
- The course tools and programs are preloaded on the **Cyber Security Labs** machine, thereby saving productive time and effort.

Programme Dates & Timings

Dates: 13 – 17 Dec 2021 (3 Hours per day)

After registration participant can access **ESCI LMS platform** for digital learning

Online session timings will be from 13:30 – 16:30 hrs with 15 Minutes Tea break.

Course Director

Mr. Syed Azgar , MBA(IT), RHCE, MCSA

Sr Faculty & Head IT,

Information Technology Division,

Engineering Staff College of India, Hyderabad.

Course Fee

₹ 15,000/- per Participant. Fee includes 3 Months LMS Platform Access for Digital Learning , 30 Hours Live Interactive Sessions, Experts Online Support and Reading Material Softcopy.

DISCOUNTS

- ❖ **Group Discount** - Additional 10% discount for three or more participants if sponsored by the same organization

(All discounts are applicable only if fee is received at ESCI before commencement of the programme)

GST @18% is to be paid extra and above the training fee as training. **PAN Card No.** AAATT3439Q. **GST No:** 36AAATT3439Q1ZV, **HS No.:** 999293 (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Programme fee is to be paid in in favour of “**THE INSTITUTION OF ENGINEERS (INDIA) – ENGINEERING STAFF COLLEGE OF INDIA**” in the form of demand draft payable at Hyderabad. Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI – **Axis Bank** A/c No. **912010049234564** with The Axis Bank Ltd, Old Mumbai Hwy, Cyberhills Colony, P Janardhan Reddy Nagar, GachiBowli Hyderabad-500032 by NEFT/ RTGS/ IFSC Code No. UTIB 0000733 – MICR No.500211020. **While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.**

Registration

Online registration shall be available on ESCI **web portal** : <http://www.escihyd.org/index.php/it-upcoming-trainings>

To register manually please send your nominations giving details of name, designation, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to : it@escihyd.org

A Certificate of participation will be awarded to each participant on conclusion of the programme.

Information Technology Division, Engineering Staff College of India

Gachi Bowli, Hyderabad – Telangana 500 032

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