

Specialised Programme on Combatting Online Scams – 2 Weeks

Pre-requisite

- Good knowledge of Linux Operating System & Networking

Aim

The aim of combating online scams course is to protect individuals and organizations from cyber fraud by raising awareness, promoting safe online practices, preventing financial and personal data losses and creating a secure and trustworthy digital environment.

Objective

To educate participants about common online scams, help them recognize warning signs of fraudulent activities, and equip them with the knowledge and skills needed to protect their personal information, finances and digital accounts from cybercriminals.

Course Contents

Introduction to Cyberspace & Cyber Threat Landscape, Types of Cyber Attacks and their countermeasures.

Understanding Linux operating system for cyber security, Linux hands on with Kali OS(Scanning and sniffing)

Penetration testing and Ethical hacking

Real Time Cyber Attacks, Countermeasures & Prevention Techniques (Hands On)

Real Time Cyber Attack scenarios on web applications and their countermeasures using open-source tools

Incident Response Process, Cyber Security Strategy and policy, Introduction to Android Operating system

Introduction to Mobile Security

Introduction to Digital Forensics, OS Forensics with case studies, Social Media forensics with case studies, Network Forensics with case studies, Data Protection and Data Privacy, Cyber Laws and IT Act

Capture the Flag (CTF)