# Cyber Security & Ethical Hacking

## Introduction:

Cyber test and evaluation continue to be on the forefront of the acquisition community. Increasing incidents of cyber-attacks and data protection efforts globally are expected to create $35 billion revenue opportunity and employment opportunities for about a million professionals by 2025 for India.

In this respect the workshop is specifically designed to provide an opportunity to share ideas, the right knowledge to the aspiring Hacking and Cyber Security among experienced or novice professionals regarding threat and requirements, test capabilities, cloud-based and IT services, and evaluation methodologies.

The goal is to share ideas on how to better characterize cybersecurity threats, evaluate system performance when attacked by a cybersecurity threat, and assess the risk of using the system in the presence of a cybersecurity threat.

## Topics to be covered:

- **Day -1: Session Duration (6-8 Hours per Day)**
  - Introduction to Cyber Security.
  - Introduction to Ethical Hacking.
  - Information Gathering
  - Attacks
  - Networking and Basics
  - Scanning
  - Computer Forensics-an Introduction
  - Windows Hacking-10,7,8, XP
  - Own Viruses
  - Road sign hacking and Identify Theft
  - Google Hacking &amp; Countermeasures
  - Stenography
  - SMS Forging
  - Call Forging


- **Day 2: Session Duration (6-8 Hours Per Day)**
  - Cryptography
  - Web Hacking and Counter Measures
  - Firewalls-An Introduction
  - Facebook Messenger Hacking
  - Password Cracking
  - Phishing page

- LAN Hacking
- Backtrack OS
- Sniffing
- Linux Hacking
- D-Dos Attack
- Trojans
- DNS-Poisoning
- Social Networking Sites Protection
- WIFI Hacking
- SQL Injection

## Benefits:

- Internship offers by the Organizing partner
- Training coupons
- Exciting goodies
- Participation certificate from Wissenaire, IIT Bhubaneswar and Organizing partner.

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