



BITS Pilani
K K Birla Goa Campus



Cyber Forensics Workshop

This workshop on Cyber Security will give you a chance to learn about protection of electronic devices on theft and damage to software by external sources. Participants will be getting a hands on experience about the pre-emptive measures against malicious attacks by attacking the system themselves; all the while staying within legal limits. This will further explore the various means that an intruder has available to gain access to computer resources. It will investigate weaknesses by discussing the theoretical background behind, and by actually performing the attack in a controlled environment.

Duration: 2 Days

Cost: 900/- Per Person

Team/Individual : Individual

Registration Link : <https://thunder6.typeform.com/to/JnHgwI>

Structure and Course:

Day 1

- Introduction to Cyber Security & Forensics
- Re-Defining the Types of Hackers
- Introduction to Computers
- Introduction to Operating Systems and Understanding Linux
- Getting Started with Core Networking
- Understanding Technical Requirements for High End Use of Computers.
- Understanding the Virtualization Technology.
- Understanding how Websites really works.
- Have someone else do it for you – Proxy Technologies
- Working with Firewalls and Intrusion Detection Systems.
- Understanding Windows Hacking in Detail

- Understanding Viruses and It's Inner Workings
- Preventing Computers from Getting Hacked.
- Don't get Fooled by Fake Emails (Demonstration on Fake Emails)
- Looking into How Computers are hacked just by visiting Websites.
- Exploring the world of Phishing
- Next Generation Cyber Attacks (Denial of Service)
- Understanding Wi-Fi Security & Looking into how Wi-Fi are Hacked in Real World.
- How Social Network helpful for your education.
- Exhibition for various Hardware Components used in Networking / Servers / Computers.

Day 2

- Cyber Space – The Heaven for Cyber Criminals
- The Dark Side of Internet – How to Stay Away
- Encryption. Getting versed with HTTP vs HTTPS.at packet level.
- Understanding Mobile Technologies
- Looking into Android – The Leader in Mobile O.S
- Understanding how Android is Hacked and Preventing it.
- Understanding the world of Cyber Forensics.
- Securing your Internet Websites and Web servers
- Spam Mails – Jackpot for Cyber Criminals
- Online Shopping Safety
- Career Advice Sessions.