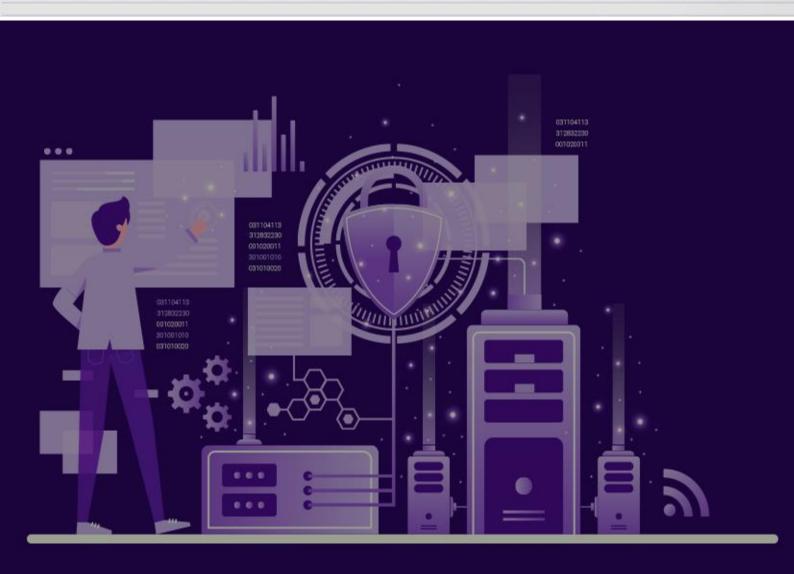


SPARK... ALWAYS THE RIGHT CHOICE
MSME & AN ISO 9001:2015 CERTIFIED COMPANY

2 Days Hands-On Workshop on

CYBER SECURITY

with an Intership oppurtunity



The rapid and dramatic advances in Information Technology (IT) in recent years have without question generated tremendous benefits. However, they have created significant and unprecedented risks to operations. Computer security has, in turn, become much more important as all levels of an organization to utilize information systems security measures to avoid data tampering, fraud, disruptions in critical operations, and inappropriate of sensitive information.

After the boom in Networking and Software jobs, the past two years have seen a sharp rise in the field of information security. Cyber Security, Information Security and Ethical Hacking are the latest buzzword in the industry. In the past three years, the percentage of hacking crimes, data thefts, data losses, viruses and other cybercrimes have increased very exponentially.

Duration

12 Hours / 2 Days

Practical: Theory Ratio

***** 8:2

Workshop Objectives

At the end of this Workshop, participants will be able to:

- Understand, perform and secure themselves from various kinds of Hacking attacks.
- Understand Email attacks and will be able to protect their email accounts as well as social networking accounts from these attacks.
- Understand Web Application Attacks and will be able to patch them to produce a secure web application.
- Understand Security Architecture of Mobile Platforms etc...

Eligibility

- Undergraduate and post graduate students from Computer Science, Information Technology and Electronics. Students from other backgrounds who are passionate about technology must be encouraged to participate.
- All Computer Science, Electronics faculty members of the institution can also participate.

Prerequisites

✓ Basic Knowledge of Computers & Internet

Infrastructure & Min Participation Required

- Seminar Hall with Audio-Visual Equipment
- Speaker with Microphone system
- Internet (LAN/Wi-Fi) Connection for live demos
- Minimum 100 participants required

TAKE AWAY BENEFITS

Spot Internship

The participants will be selected based on their performance in the exam conducted at the end of the workshop. They will get an opportunity to work as an intern in our company. They will get an opportunity to work on a live project in our Technospark IT Solutions Lab.

Placement Opportunity

The Best Performer/s in the internship* will be given an employment opportunity in our company with a CTC of Rs. 3.2 to 4.8 lakhs per annum

Tool kit

Every participant will get tool kit with all the tools used during the workshop along with all the required licence keys.

Certification

Every participant will be given Technospark IT Solutions Certified Security Expert – Level 1 certificate

Fee Structure

Course	Certification	Duration	Delivery Method	Fee
Level 1	Technospark IT Solutions Certified Security Expert (Level 1)	12 Hours / 2 Days	Instructor Led On Campus Training	600 Rs/- per participant



COURSE CURRICULUM (LEVEL – 1)

INTRODUCTION TO CYBER SECURITY	
Ethical Hacking	
Types and Kinds of Hackers, Phases of Hacking	
Types of Ethical Hacking Certifications	
Security Triangle	
Conclusion	

BASICS OF NETWORKING	
Introduction to Networks	
Types of Networks	
Ports, NAT, IP Addresses, Proxies, VPNs	
OSI Layers	
TCP, UDP GET & POST Method	
Conclusion	

LOGIN BYPASS

Windows Login Bypass – General & Advanced Methods

Cracking using CMD & Tools

Linux Pass Cracking – General & Advanced

Conclusion

BASIC ATTACKS AND SECURITY

Basic Phishing, Advanced Phishing and Cloning

Advanced Facebook & Gmail Hacking

IDN Homograph Attack

Fake Emails

Header Analysis

Capturing Passwords with Wireshark

Social Engineering Techniques

Conclusion

VIRUTALIZATION

Introduction To Virtualization

Installation of VMware/Virtual Box

Configuring OS in Virtual Machine

Conclusion

MALWARES

Introduction to Malwares – Virus, Worms,

Trojans, Botnets, Ransomware

Working of Keyloggers & Advanced Keyloggers

Using Remote Administration Tools (RAT)

Antiviruses and How Do They Work

How to Create, How to Identify & How to

Remove Malwares from PC

Conclusion

DATA RECOVERY

How Data Recovery Works

Using Tools To Recover 100% Complete Data from Hard Disks, Pen Drives & Memory Cards

Securing Our Data

Conclusion

GOOGLE HACKS

Google for Hacking

Using Various Operators of Google

Shodan Search Engine

Finding Network Webcams, Target Networks and Vulnerable Websites

Conclusion

WEB APPLICATION ATTACKS

Introduction to the Web Architecture

Security Misconceptions

Theoretical Overview on OWASP Top 10 Web

Application Vulnerabilities

SQL Basics

Overview on

Cross Site Scripting Vulnerability (XSS)

Session Hijacking

Conclusion

WIRELESS ATTACKS

Introduction to Wireless Architecture

Types of Wireless Networks

Wireless Standards

Introduction to Kali Linux

WEP & WPA's Hacking using Kali Linux

Conclusion

STEGANOGRAPHY

Introduction to Steganography

Types of Steganography

Using Steganography Tools

Extract Hidden Files and Text

Conclusion

MOBILE HACKING

Introduction to Architecture of Various Mobile

Operating Systems

VoIP, Advanced VoIP Systems and Calls

Caller ID Spoofing

Methods to Hack Smartphone (Android & iOS)

General & Advanced Methods to Hack

WhatsApp

Security Measures

Conclusion

CYBER LAWS & SECURITY Cyber Laws in India Online Security Precautions How to Earn Money Online / Digital Jobs Conclusion – End of the Session

SAY NO TO PPT's & VIDEO's

Technospark IT Solutions Gives Training Only via LIVE Demonstrations with 100% Complete Hands-on Experience



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