



TechDefence

Hands On Workshop on “Ethical Hacking & Information Security”

A) Workshop Sessions Schedule:

Cyber Crime Investigation		
Modules	Particulars	Duration (hours)
Ethical Hacking		
1	Cyber Ethics <ul style="list-style-type: none">• Get to know how hacker thinks & prepares for attack• Types of hackers• Communities of Hackers• Malicious Hacker Strategies• Steps to conduct Ethical Hacking• Hiding your identity while performing attacks	0.5
2	Information Gathering & Scanning Methodologies <ul style="list-style-type: none">• Get to know how hacker gather information about victim on internet• Information gathering of websites & networks• Scanning & Structuring of websites• Finding Admin Panel of websites	1.0
3	Trojans, Backdoors <ul style="list-style-type: none">• How to control victim’s computer using Trojans• Binding Trojans with another file• Undetection process of Trojans from Antivirus• Removal of Trojans from your computer• Analysis of Trojans/Virus	0.5
4	Google Hacking <ul style="list-style-type: none">• Using Google as hacking tool• Advanced operators of Google• Finding Vulnerable websites using Google• Finding Target networks using Google	0.5
5	Wireless Hacking & Security <ul style="list-style-type: none">• Wireless Protocols• Wireless Routers-Working• Attacks on Wireless Routers• Cracking Wireless routers password(WEP)• Securing routers from Hackers• Countermeasures	0.5

Website Hacking		
6	Web Application Attacks <ul style="list-style-type: none"> • Web Application Overview • Web Application Attacks • OWASP Top 10 Vulnerabilities • Putting Trojans on websites • SQL injection attacks • XSS attacks • Remote file inclusion attacks • 20 Hands on Demonstrations on real websites 	2.0
Cyber Crime Investigation		
7	Introduction to Cyber Crime Investigation <ul style="list-style-type: none"> • Types of Cyber Crimes • How to report Cyber Crimes • Details required while reporting cyber crime 	1.0
8	Investigation Methodologies <ul style="list-style-type: none"> • Different Logging Systems • Investigating Emails (Email Tracing) • Ahmedabad Bomb Blasts Terror Mail case study • Phishing Cases • Data Theft Cases • Orkut Profile Impersonation Cases • Cyber Law & IT Act,2000 	2.0
9	Difficulty Handling Session	
		8

Note: These are just the major aspects that we will be discussing, each point will be elaborated in detail with demonstrations of the tools and techniques.

C] Infrastructure Required:

- Internet connectivity
- Computer Lab with Internet Connectivity
- Projector
- An effective collar microphone
- White Board

B] Program Benefits & Highlights:

- Learn & Interact with renowned Industry Experts
- Receive an unparalleled education on the art of computer security with personal one-on-one attention from Sunny Vaghela.
- Hands on Demonstrations of Latest Hacking Techniques & Tools.
- Hands on Demonstrations of various cases solved by Sunny Vaghela.
- PowerPoint Presentation, Live Demos, Interactive Question & Answer sessions and comprehensive reading material.
- Toppers of each workshop to be personally interviewed Sunny Vaghela and will receive a chance to work with him on security projects.

C] Course Material & CDs:

- Comprehensive course material & 3 Cds(Containing EBooks, Tools & Presentations) will be provided to participants.

D] Duration:

- 1 Day

E] Cost:

- 200 Rs./Participant.

F] Certification:

- Certificate of “Cyber Sleuth” will be given to participants from TechDefence.