



TechDefence

HackTrack 2010,

TECHFEST IIT BOMBAY

Two Days Hands on Workshop on Ethical Hacking & Information Security

In association with

BMS COLLEGE OF ENGINEERING , BANGALORE

Dates:3RD and 4th November 2010.

Workshop on Ethical Hacking & Information Security (16 Hours)

A] Workshop Sessions Schedule:

Ethical Hacking & Information Security		
Modules	Particulars	Duration (hours)
Ethical Hacking		
1	Cyber Ethics <ul style="list-style-type: none">• Hackers & hacking methodologies• 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	0.5

	<ul style="list-style-type: none"> • Cracking Wireless routers password(WEP) • Securing routers from Hackers • Countermeasures 	
	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 • Executing Operating System Commands • Getting Output of SQL Query • Getting Data from the Database Using ODBC Error Message • How to Mine all Column Names of a Table • How to Retrieve any Data • How to Update/Insert Data into Database • SQL Injection in Oracle • SQL Injection in MySql Database • Attacking Against SQL Servers • SQL Server Resolution Service (SSRS) • SQL Injection Automated Tools • Blind SQL Injection • Preventing SQL Injection Attacks • XSS attacks • Finding & Fixing XSS in websites • Local File inclusion attacks • Remote file inclusion attacks • Buffer Overflow attacks • Session Hijacking attacks • 20 Hands on Demonstrations on real websites 	4.0
7	Mobile, VoIP Hacking & Security <ul style="list-style-type: none"> • SMS & SMSC Introduction • SMS forging & countermeasures • Sending & Tracking fake SMSes • VoIP Introduction • Installing VoIP Server • Forging Call using VoIP 	2.0
8	System & Network hacking <ul style="list-style-type: none"> • Hacking Administrators password • Enumeration of networks • Use of Sniffers to sniff network data. 	1.0
9	Email Hacking <ul style="list-style-type: none"> • Making fake pages • How to use keyloggers to hack mail ids • Social Engineering Techniques 	1.0
	Cyber Crime Investigation	
10	Introduction to Cyber Crime Investigation <ul style="list-style-type: none"> • Types of Cyber Crimes • Report Cyber Crimes 	1.0

11	Investigation Methodologies <ul style="list-style-type: none"> • Different Logging Systems • Investigating Emails (Email Tracing) • Ahmedabad Bomb Blasts Terror Mail case study • Investigating Phishing Cases • Investigating Data Theft Cases • Investigating Orkut Profile Impersonation Cases • Cyber Law & IT Act,2000 	2.0
12	Difficulty Handling Session & Exam	2.0
		16

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.

B] Workshop 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.

C] Key Points of TechDefence:

- We have rich experience working on cases & training for Crime Branch, Ahmedabad, Rajkot, Surat, Nashik & Hyderabad.
- Conducted more than 160 workshops & seminars for Students & Professionals across globe.
- We helped Top Investigating Agencies to solve Cyber Terrorism Cases like Ahmedabad & Mumbai Blasts Cases.
- We do not use third party tools. We have developed our Crypters, Trojans, Scripts etc.
- Our Director & Trainer is supported by Ministry of Home Affairs, Malaysia.

D] Course Material & CDs:

- Comprehensive course material will be provided to participants.
- Ethical Hacking Toolkit worth Rs.500 (Containing Tools, Videos, Ebooks, Presentations)

E] Duration:

- 2 Days (8 hours/day)

F] Fees:

- Rs. 1000 Rs/Participant
(This includes Registration Kit, Ethical Hacking Toolkit, and Course Material).

G] Certification:

- Certificate of “Certified Ethical Hacking Expert – Level 1” will be given to participants from TechDefence & TechFest 2011, IIT, Bombay.

If you have any queries, please feel free to contact us at

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