Proposal for workshop on

Ethical Hacking & Cyber Security

CYBER THREAT IS...One Of The Most Dangerous Threats Surpassing Terrorism To The World.
Develop Your Knowledge Base By Getting The Right Training With Respect To Security Fundamentals.

PRISTINE *InfoSolutions* securing the future...

www.pristineinfosolutions.com

About Trainer

www.rizwanonline.com

Rizwan Shaikh is one of the India's renowned Ethical Hacker, Information Security Researcher and Cyber Crime Consultant actively involved in providing Ethical Hacking and Information Security training & services.

He is the Founder, CTO and principal consultant of Pristine InfoSolutions and is responsible for setting company's strategic direction and overseeing the business operations.

With an aim to secure the Cyber World from unethical Hackers, Rizwan has been imparting practical knowledge of Ethical Hacking, Information Security and Cyber Forensics to the budding technical workforce of the country. Rizwan has delivered numerous workshops, seminars, talks and conferences at various colleges, institutions and has been assisting corporates in creating awareness about Information Security and Cyber Crimes.

Rizwan Shaikh is regularly invited by Engineering Colleges, Organizations, Corporates and Government agencies to speak and distribute knowledge about Cyber Security.

Why Ethical Hacking & Cyber Security?

With increasing use of the internet and concerns about its security, especially when it comes to things like consumer information or private details, there is considerable need for computer experts to work in ethical hacking field. Organizations today recognize the strong need for information security; hence an ethical hacker or security expert is usually employed by companies to penetrate into networks and/or computer systems, using the same methods as a hacker, for the purpose of finding and fixing network and computer security vulnerabilities.

India's Telecom & Ex-IT Minister Kapil Sibal said "critical infrastructure such as air defence system, power infrastructure, nuclear plants, telecommunications system have to be protected otherwise it may create economic instability".

Designed by ethical hackers and security experts, this workshop covers all aspects of Ethical Hacking and Information Security which will help students to understand and gain knowledge about Information Security thereby bridging the gap between students and the market demands.

Workshop Details

In this workshop, we will be conducting training session (If possible hands-on training) and a competition on "Ethical Hacking and Information Security".

This immensive 2-day workshop will groom the students with the fundamentals of Ethical Hacking. A competition will be conducted at the end of the workshop. Topper of this competition will be getting a chance of internship to work with our professional team of ethical hackers and security experts or a full fledge course of "Certified Information Security and Ethical Hacker (CISEH)" worth Rs. 14000 FREE.

Key benefits for students

1) Authorized globally CRISIL recognized international certificate of 'Ethical Hacking and Information Security' participation to every participant.

2) Security Tool Kit for each student.

3) Training Material (e-books) for each student.

4) Learn & Interact with renowned India's best Security Experts and Cyber Law Consultants.

5) Pristine InfoSolutions is the only company to provide workshops with hands-on training and live demos of latest hacking techniques and tools.

6) Power Point Presentation, Live Demos, Interactive Question & Answer sessions.

7) Students will have rich experience working on cases & training for cyber crime investigations.

8) Even after workshop, students can avail Pristine InfoSolutions guidance and support.

9) Students will have opportunity for inplant training and internships with us.

Duration of workshop

2Days(6 and 7th October) - 6 hours per day

Registration charges

1. Registration charges are Rs. 700/- per student.

2. The fee includes workshop training, certificate, training materials and tool kit for each student.

3. Registering for the event here will give you pass to unpaid events and the Pronites.

After having all these benefits, We ensure that you will find our initiative extremely beneficial for your student's career growth.

We seek your valuable co-operation & support and look forward towards a positive response.

Our aim is to prepare students for fulfilling and challenging futures, fostering the professional, intellectual, social, cultural and personal development of the individual.

Content for Ethical Hacking & Cyber Security Workshop

Computer Security - Basics

- Introduction
- Hacker & Cracker
- Attacker & Victims
- Most Common Attacks
- Committing a Computer Crime
- ASCII Code - making a folder invisible

Network Security

- IANA, Allotment of IP Address
- IPv4 & Ipv6
- IP Address – Basic, Detecting
- Ping & Ping Sweep
- Tools (Ping Sweeping)
- Foot-Printing Techniques
- Tracing Target Location
- Tools to trace
- Detecting Victim's OS
- Detecting Firewall
- Countermeasures

Email Security

- Email Threats
- Hacking Mailing Clients (Outlook)
- Email Forging (Sending Fake mails)
- Spamming - live task
- Bulk Mailing - live task
- 419 Scam
- Email Headers
- Finding details of recipient
- Countermeasures

Chatting Messenger

- Introduction
- Instant Messenger threats
- Hacking using Gtalk, Google Hangout & Yahoo Messenger
- Case studies
- Countermeasures

Port Scanning

- Type of Ports
- Virtual Port numbers
- Detecting Open Ports
- Tools to carry out Port Scanning
- Countermeasures

Intellectual Property Theft

- Introduction
- Types of Malware
- Trojan attack & countermeasure
- Case Study
- Keylogger working & countermeasure
- Steganography and Steganalysis

Password Cracking & Prevention

- Introduction
- Password Cracking Techniques
- Dictionary Based Attack
- Brute force Attack
- Task – Crack password on site: Live
- Countermeasures for users
- Countermeasure for System Administrators

Identity Attacks

- Introduction
- Proxy Servers
- Proxy Bouncing
- IP Proxy, Tor browser

Content for Ethical Hacking & Cyber Security Workshop

Mobile Phone & online Apps Hacking
- Hacking chatting apps (WeChat & Whatsapp)
- Hacking online database portals (YellowPages & JustDial)
- Spying through cell phone
- Call Spoofing

Other types of Attack
- Input Validation
- Buffer Overflow
- DOS & DDOS Attacks
- HoneyPots, 0day
- Social Engineering Attacks

Cyber Law and Consulting
- What is Cyber Law
- Types of Crimes
- IT Act, 2000
- Blogs & Blogger's rights & limitation
- CERT-IND & AO
- Uniform Domain Dispute Resolution Policy
- Trademark & Copyright Infringement
- Central Acts & State Acts

Website Hacking
- Hacking & finding Loop holes using Google
- Finding Control panel of Websites
- Breaking Cpanel
- Defacing Website
- Database Hacking, SQL Injection Attack
- Web Jacking

Basic Hacking
- Opening blocked website
- Phishing Technique
- Social networking account hacking (Facebook, LinkedIn)
- Bank Account hacking / illegal Money Transfer
- Hacking Email accounts
- Recording activities on computer
- Making own Virus

If you have any queries kindly contact us @:

Mr. *Ahtisham Ali Ansari*

Mob: +91 8319185319

email: *gensec_scitech_gymkhana@iitbhilai.ac.in*