

Certified Penetration Testing Expert



CPTE

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.

ABOUT US

Pristine InfoSolutions is one of the leading cyber security services and information security training provider headquartered in Mumbai, having branches all over India.



Achievements

1st

India's top cyber security company of the year 2014.

500+

Website's been patched, made hack proof.

20000+

Students trained including corporate & college workshops

150+

Corporate and educational clients.

Pristine InfoSolutions Career Development and Training Department is one of the most trusted and by far the largest source for information security training and ethical hacking courses in India.

Over the years we have trained many engineers, professionals and corporates in different cities across the country and produced highly skilled pool of IT professionals to counter global industry challenges in the field of Information Security.

The company is inspired by the guiding principle and vision of educating one and all about the nuances of cyber crime and the risks involved. We deliver trainings, workshops, seminars and services on 'Cyber Security', 'Computer Forensics' and also provides 'Cyber Investigation Support' on request basis.

The company's research development programs and training helps youth to achieve real-world skills to compete better in today's scenario.

We have a diverse client base and our ability to tailor our services to the needs of public, private, government and international clients is fundamental to our approach. We have served many reputed organizations like Indian Railways, HCL, Accenture, Wipro, Capgemini, Trend Micro, etc.

Pristine InfoSolutions has been awarded as the India's top cyber security company of the year 2014 by SiliconIndia. Also got featured in Silicon India Magazine:

http://siliconindian.com/si_freemag/india-edition_sep_14_issue1.pdf
(51st page in pdf, Page no. 100 in hard copy).

si COMPANY OF THE YEAR 2014 | **Cyber Security**

NDTV

Pristine InfoSolutions has been featured in various print media and TV news channels to impart expertise on the issues of Cyber Security. Recently, Pristine InfoSolutions was interviewed by NDTV on the issue of Xiaomi smartphone data compromise. Show recording available on: <https://www.youtube.com/watch?v=xvIKnOFefXU>

WORK DOMAINS

Currently the Company offers:

A) Cyber support services:

- 1) Cyber crime investigation and computer forensics
- 2) Penetration & Vulnerability testing
- 3) Cyber detectives

B) Training services:

- 4) Corporate training
- 5) UG/PG students training
- 6) School students training

Apart from this the Company also encompasses:

1. Pristine training centre (for professionals and students).
2. Pristine summer camp in cyber security and computer forensic (for school & Jr. college students).
3. Pristine Digital Lab (Lab for computer forensic).
4. Pristine Customized Solutions (Research & Development).
5. Pristine Distance learning (Correspondence course).

CPTE

CERTIFIED PENETRATION
TESTING EXPERT

CPTE is a comprehensive penetration testing training program which covers all aspects of defence as well as attacks and prepare security professionals to analyze the security posture of a network and recommend corrective measures authoritatively.

Certified Penetration Testing Expert training is the advanced level of Ethical Hacking in which the personnel evaluates security of IT network or corporate websites by simulating an attack from external threats and internal threats and recommend corrective measures authoritatively. This analysis is carried out from the position of a potential attacker and can involve active exploitation of security vulnerabilities.

Pristine InfoSolutions Certified Penetration Testing Expert (CPTE) truly prepares you to conduct successful penetration testing projects in real-time scenarios by using world class tools and ground breaking techniques. The course starts with proper planning, scoping and recon, and then dives deep into scanning, target exploitation, password attacks, and wireless and web apps with detailed hands-on exercises and practical tips for doing the job safely and effectively.

The objectives of this certification include penetration-testing methodologies, the legal issues surrounding penetration testing and how to properly conduct a penetration test as well as best practice technical and non-technical techniques specific to conduct a penetration test.

This penetration testing course also enhances the business skills needed to identify protection opportunities, justify testing activities and optimize security controls appropriate to the business needs in order to reduce business risk. The CPTE certification helps students perform the intensive assessments required to effectively identify and mitigate risks to the information security of an infrastructure.



BE FASTER, BETTER EQUIPPED & READY.

MASTER BLEEDING EDGE

PENETRATION TESTING SKILLS.

DON'T BE AN ORDINARY PEN-TESTER

BE A CPTE.

WHY CPTe CERTIFICATION ?

Cyber Attacks and Security vulnerabilities in IT Infrastructure and systems continue to plague organizations. Enterprises need experts who can find these flaws in a professional manner to help eradicate them from their infrastructures. A penetration tester is generally expected to run a number of tests on web-based applications, networks, and other types of computer systems and fill out assessment reports about what they have discovered and help mitigate risks to the security of company's infrastructure.

As technology becomes a bigger part of more individual industries, the demand for penetration testers is consistently growing each year. If you are motivated enough, curious enough and determined, then CPTe is the perfect course for you to earn a promising career.

WHO SHOULD ATTEND THIS COURSE ?

The CPTe certification is a highly technical and in depth training for experienced information security professionals, network server administrators, information security analysts, system administrators, IT officers, IT Managers, IT Auditors, risk assessment professionals and anyone having prior ethical hacking knowledge.

The CPTe is an intensive course on penetration testing designed for those who already have undergone Ethical Hacking training.

HOW IS CPTe DIFFERENT FROM OTHER PEN-TESTING COURSES ?

The Certified Penetration Testing Expert (CPTe) is the only course that trains students on all the major key elements of penetration testing: information gathering, scanning, enumeration, exploitation and reporting. It covers real-time scenarios to train students in standard penetration testing methodologies.

- Advanced and latest techniques covered.
- Master report writing.
- Security auditing techniques and standard practices.
- New exploitation methodologies.
- Both automated and manual techniques.
- A premier international certification of CPTe.
- Industry accepted comprehensive pen-testing standards.
- Designing security policies and procedures.
- Real world scenarios and targets.
- 24x7 lab availability to practice hacking concepts.



COURSE CONTENT

Duration: 80 hours

IP & Malware - Basics:

- IANA, Allotment of IP Address
- Foot-Printing Techniques
- Types of Malwares

Web Basics:

- ICANN guidelines
- Registrar, Registry, Registrant
- Hosting Servers
- Registrant & Hosting panels
- Static & Dynamic website

Basic Ways to Hack:

- Using Google dorks
- Finding control panel of website
- Breaking Cpanel

VAPT:

- Introduction
- Vulnerability assessment tools (acunetix, dvwa, etc.)

Attacks Using Local System:

- Windows Hacking
- Phishing
- Scanning
- Session Hijacking

Web Foot-Printing:

- Advance Google dorks
- Sub-domains scanner
- Gathering information about target on web app

Web Server Hacking:

- Metasploit
- Understanding the Msf modules
- Auxiliaries, Exploits and Payloads
- Attacking Windows Services
- Attacking Linux Services
- Privilege escalation attack
- Rooting (using local root exploit)
- Introduction to Assemble Language
- Shellcoding
- Basic misconfiguration of web-server (symlink, IISpy)
- Encryption / Decryption
- Encrypting your own backdoor shell and bypass mod_security

SQL Attacks:

- Introduction
- Blind sql
- Attacks on sql server
- Performing all types of SQL Injection attack
- Countermeasures against sql-injection
- Source code analysis

Different types of CMS identifications:

- Joomla
- Wordpress
- Vbulletin
- Other CMS

Web Application Hacking:

- Attack on CMS
- Remote Code execution
- File upload vulnerability
- Sql-injection
- Bruteforce attacks on web application
- Phishing
- Automated tools (Netsparker)
- Working with Proxy – Burp suite

Wi-Fi Attacks:

- Introduction
- WEP and WPA attacks
- Creating wordlist for effective WPA2 cracking
- Security measures

Lan Penetration Testing:

- Client side exploit
- MITM attack
- Sniffing attacks (http, https)
- Trojans and backdoors
- Automated Discovery
- Scanners (Nessus)
- Nmap

Hacking Unix/Linux:

- Password Cracking
- Kernel
- Processes
- Accounts and Groups
- Password & Shadow File Formats
- Linux and UNIX Permissions
- Password & Shadow File Formats
- SUID Files Countermeasure

OWASP:

- Injection
- Broken Authentication and Session Management
- Cross-Site Scripting (XSS)
- Insecure Direct Object References
- Security Misconfiguration
- Sensitive Data Exposure
- Missing Function Level Access Control
- Cross-Site Request Forgery (CSRF)
- Using Components with Known Vulnerabilities
- Un-validated Redirects and Forwards

VAPT Reporting:

- Legal approval and steps to follow
- Way to report
- Formatting and guidelines
- Case study

Cyber Law and Consulting:

- What is Cyber Law
- Cyber Space
- Problems in Cyber Law
- Types of Crimes
- IT Act, 2000
- CERT-IND & AO
- Trademark & Copyright Infringement
- Central Acts & State Acts
- Extradition
- Abettor
- Uniform Domain Dispute Resolutions Policy
- Case study

PENETRATION TESTER AS A CAREER

Job Trends from Indeed.com

— penetration tester



As malicious computer attackers amp up the number and magnitude of their breaches, the information security industry needs an enormous amount of help in proactively finding and resolving vulnerabilities. Penetration testers who are able to identify flaws, understand them, and demonstrate their business impact through careful exploitation are an important piece of the defensive puzzle. There is massive demand for people who understand how to break into applications and how to suggest fixes for the discovered issues.

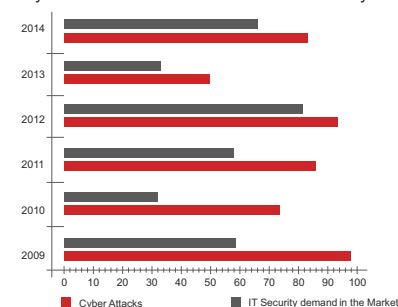
All in all, being a Penetration Tester, is an excellent, well-paid and importantly is an in-demand career and profession! If you are interested in a career in information security then go for it – especially if you are just starting your professional life. If you already work in IT then rotating into the InfoSec space is likely very achievable. In fact, the majority of our students are 'mature' in the sense that they have been working for at least 10/15 years in IT.

JOB PROFILE

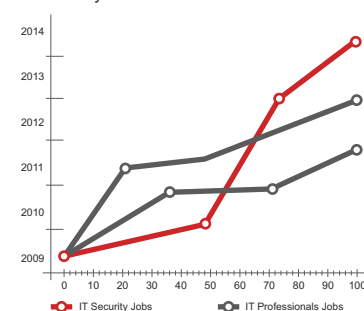
The penetration tester frequently works as a part of an information technology (IT) or cyber security team.

The kinds of jobs available are that of Network Security Engineer, System Security Manager, IT Security Auditor, IT Security Officers, Network Security Administrator, Web Security Administrator, Web Security Manager, Network Security Consultant, etc.

Cyber Attacks vs Demand for IT Security



IT Security Professionals vs IT Professionals Jobs



COURSE SPECIFICATIONS



Duration

80 Hours



Batches

Regular /
Weekends



Fees

35000 -/-

Includes- Service Tax, Training, Online Examination, Study Material and Toolkit.

Unlike others, CPTe program provides standard-based, methodological training designed to prepare students for real-time penetration testing and auditing assignments.



The CPTE's foundation is built firmly upon proven, hands-on, penetration testing methodologies utilized by group of experts and vulnerability consultants. CPTE covers both "offensive" and "defensive" knowledge about IT security needed to become a good penetration tester.

The CPTE program provides standard-based, methodological hands-on training designed to prepare students for real-time penetration testing and auditing. It covers all the industry accepted comprehensive pen testing standards.

MOVING FORWARD WITH GREAT SKILLS

LIVE PROJECT

Students pursuing CPTE will get an opportunity to work on live project of our offshore clients. This provides industrial exposure to the candidates and helps them to find a suitable job in IT industry. Our experienced and highly skilled professionals will always be available to guide the candidate in all ways. Under our proficient guidance, the candidate will not only complete the CPTE project successfully, but also guide him to be a successfully Penetration Testing professional in the future.

The Project would be completed under expert supervision of project managers in the company.

WHY STUDENTS SHOULD ATTEND THESE PROJECTS:

Active participation in these projects has equipped our students with a heterogeneous form of theoretical and practical insights into various aspects of penetration testing, which has propelled them towards considering it as a viable career option. The project will act as a platform where students can perform networking, leveraging and develop connect with the right people. Through live projects, students will be able to channelize their ideas in the right direction by working with experienced professionals.

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 and 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.

TESTIMONIALS

"The Course has excellent topics with good explanation. Overall excellent teaching method. Trainer's knowledge & teaching style is excellent."

-Rizvi Sayed
IT Security Dept
UAE govt.

"Excellent course, the certification boosted my career and an helped me in a better work profile. I learned lot of new things which will definitely build my future career."

-Tushar Khanvilkar
Network Security Engineer
HCL Comnet Ltd.

"The course has given me comprehensive knowledge of cyber security and I learnt many hacking techniques."

-Mayur Mathkar
Software Developer
Tata Consultancy Services.

"One of the best training on Information Security conducted for our employees. Accept our sincere appreciation for the outstanding security training you gave to our company."

-Divyanshu Gahriya
Chairman
DiGa TechnoArts Pvt. Ltd.

"Awesome course. A must course for everyone in terms of Internet Security. It is helpful to all, not only for IT Professional."

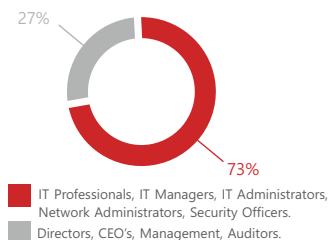
-Sachin Hankare
Risk/Fraud Management Ex.
Paymate India Pvt. Ltd.

"Nice to meet Rizwan sir, he is inspiration for knowledge sharing & creating awareness about security of virtual world."

-Subhash Konda
Senior Software Engineer
Ness Technology Pvt. Ltd.

OUR CLIENTS | Meet our prestigious clients

CPTe TRAINED

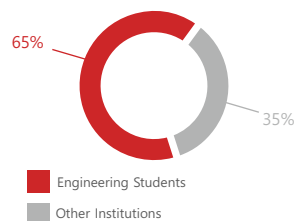


We have a diverse client base and our ability to tailor our services to the needs of public, private, government and international clients are fundamental to our approach.



and many more...

CPTe TRAINED



We have delivered numerous training sessions, workshops, seminars and conferences at various colleges, institutions and have been regularly invited by Engineering Colleges, Organizations, Corporates and Government agencies to speak and distribute knowledge about Cyber Security. A glimpse of training sessions, workshops and seminars delivered by us includes:

- ▶ Thakur College of Engineering and Technology, Mumbai
- ▶ Thadomal Shahani Engineering College, Mumbai
- ▶ St. Paul Institute of Professional Studies, Indore
- ▶ Atharva College of Engineering, Mumbai
- ▶ Terna Engineering College, Mumbai
- ▶ SIES Graduate School of Technology, Mumbai
- ▶ SVKM's NMIMS, Shirpur
- ▶ Guru Tegh Bahadur Institute of Technology, Delhi
- ▶ VESIT, Mumbai
- ▶ BIGCE, Solapur
- ▶ VACOE, Ahmednagar
- ▶ Saraswati Engineering College, Mumbai
- ▶ LAIT, Badlapur
- ▶ College of Engineering, Munnar
- ▶ Tatva Engineering college, Ahmedabad
- ▶ Viva School of MCA, Mumbai
- ▶ DRIEMS, Karjat
- ▶ UV College, Ganpat University, Gujarat
- ▶ RJ College, Mumbai
- ▶ SNG College, Mumbai

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