CPTE

Certified Penetration
Testing Expert

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...

ABOUT US

Pristine InfoSolutions Pvt. Ltd. is one of the leading cyber security services and information security training provider headquartered in Mumbai, having branches in India, Bahrain, Seychelles.

✅ **Achievements**

1st
India's top cyber security company of the year 2014.

500+
Website's been patched, made hack proof.

30000+
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 South Asia.
Over the years we have trained many engineers, professionals and corporates in different cities across the continent 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=xvlKnOFEfXU

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 PENTESTER 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.

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.

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.

- ☒ 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**

Introduction:
- Approach
- Difference between VA & PT
- Domains Of VAPT
- Types of VAPT
- Red Team vs Blue Team

Linux Essentials:
- History
- Lab Setup
- OS Architecture
- Basic Commands of Linux
- Basic Commands of Windows
- OS Auditing

Web Scanners:
- Acunetix
- Vega
- ZAP
- Nikto
- Sparta
- Arachni
- Rapid Scan

Burp Suite:
- Dashboard
- Target
- Proxy
- Intruder
- Repeater
- Sequencer
- Decoder
- Comparer
- Extender
- Project Options

Web Enumeration:
- Whois lookup
- Reverse lookup
- IP history
- Detecting Backend Technology
- Directory Fuzzing
- Subdomain Enumeration
- Eyewitness
- Google Dorking
- Shodan

CMS Testing:
- CMS
- WPScan
- JoomScan
- CMSmap

OWASP Top 10:
- Injection
- Broken Authentication
- Sensitive Data Exposure
- XML External Entities
- Broken Access Control
- Security Misconfiguration
- Cross Site Scripting
- Insecure Deserialization
- Using Components with known vulnerabilities
- Insufficient Logging & Monitoring

Web Extreme Bugs:
- Subdomain Takeover
- Misconfigured S3 Buckets
- HTTP Parameter Pollution
- SSRF
- CSRF
- Local File Inclusion
- Remote File Inclusion
- Clickjacking

API Testing:
- Introduction
- REST API & SOAP API
- Lab Setup
- RESTful API Security Assessment
- Countermeasures

Source Code Auditing:
- Approach
- Checklist
- Waterfall SDLC
- Application Threat Modeling
- Code Review and PCI-DSS
- Reporting

Web VAPT Reporting:
- Ways to report
- Formatting & Guidelines of report
- Case Study

Web Patch Management:
- Securing Webapps
- Applying Input Validations
- IP Whitelisting
- Implementing access control
- Removing HTTP Headers
- Preventing CSRF With Token
- Setting Login Limits

Bug Bounty Hunting:
- Bug Hunting
- Common vulnerabilities neglected by testers
- Making Valid POCs

Android App VAPT:
- Introduction
- Static Analysis
- Dynamic Analysis
- Understanding Of APK
- DEX to JAR
- Drozer
- OWASP Top 10

Fundamentals of Reverse Engineering:
- Introduction
- Debugging Tools
- Understanding of Assembly

Network VAPT:

- Network Infrastructure
- Information Gathering
- Nmap Scanning
- Nessus
- Backdoors
- Compromising Dcs
- Role of AD
- Post Exploitation
- AV Evasion
- Empire
- Powershell

Metasploit:

- Introduction
- Information Gathering
- Payloads
- Auxiliary
- Meterpeter
- Armitage

SOC & Threat Intelligence:

- Monitoring & Detection
- Log Monitoring
- Identification, Correlation, Aggregation, Retention
- Incident response
- Threat hunting
- Intelligence gathering
- Threat Map

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

Legend: Cyber Attacks ■ | IT Security demand in the Market ■
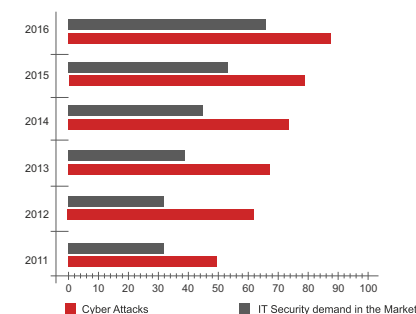
IT Security Professionals vs IT Professionals Jobs

Legend: IT Security Jobs | IT Professionals Jobs
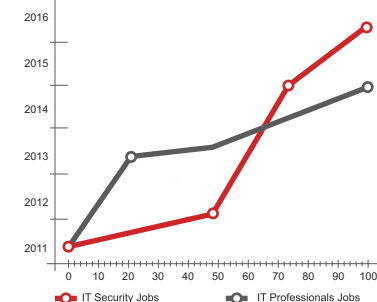
PENETRATION TESTER AS A CAREER

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.

COURSE SPECIFICATIONS

🕐 Duration   **80 Hours**

👥 Batches   **Regular / Weekends**

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, handson, 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 standardbased, methodological hands on training designed to prepare students for realtime 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 apportunity 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.
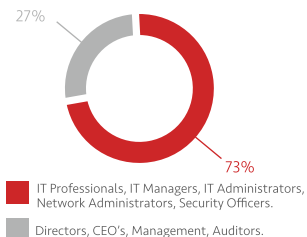Paymate India Pvt. Ltd.

"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

27%

73%

■ IT Professionals, IT Managers, IT Administrators, Network Administrators, Security Officers.

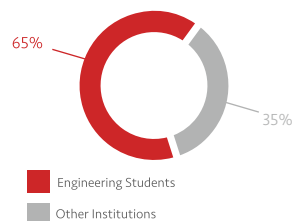■ Directors, CEO's, Management, Auditors.

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.

CPTE TRAINED

65%

35%

■ Engineering Students

■ Other Institutions

We have delivered numerous training sessions, workshops, seminars and conferences at various colleges, institutions and have being 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:

TATA CONSULTANCY SERVICES
Experience certainty.

accenture
High performance. Delivered.

WIPRO
Applying Thought

TREND MICRO
Securing Your Journey to the Cloud

Capgemini
CONSULTING.TECHNOLOGY.OUTSOURCING

HCL

eClerx

MICROLAND
Extraordinary. Everyday.

TRIGENT
OVERCOMING LIMITS

LARSEN & TOUBRO
it's all about imagineering

BNP PARIBAS

JASLOK HOSPITAL
A lifetime of care

TÜV INDIA
TÜV NORD GROUP

VIP

Konkan Railway Corporation Limited

& many more...

▶ IIT Bombay

▶ IIT Roorkee

▶ Vidyalankar Institute of Technologies, Mumbai

▶ Thadomal Shahani Engineering College, Mumbai

▶ Manipal university, Jaipur

▶ Jaipuria University, Jaipur

▶ Bhartiya Vidyapeeth, Navi Mumbai

▶ SIES Graduate School of Technology, Navi Mumbai

▶ Ahmedabad University

▶ Indus University, Ahmedabad

▶ LNCT, Indore

▶ MANIT, Bhopal

▶ Singhagad Institute of Technology, Pune

▶ Govt. College of Engineering And Ceramic Technology, Kolkata

▶ METs School of Engineering, Kerala

▶ Adi Shankara Institute of Engineering Technology, Kerala

▶ G. Narayanamma Institute of Technology and Science, Hyderabad

▶ Government Engineering College, Gandhinagar

▶ Parul University, Vadodara

▶ SVKM's NMIMS, Shirpur

▶ BIGCE, Solapur

▶ Thakur College of Engineering and Technology, Mumbai

& many more...

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