



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.

ABOUT US

Pristine InfoSolutions Pvt. Ltd. is a Global IT Services and Information Security Company based in Mumbai, India embracing strong competencies in IT Security and Audit Services, Cyber Crime Investigations, Cyber Law and the entire spectrum of IT Security Training Businesses.

✓ Achievements

1st

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

1000+

Website's been patched, made hack proof.

40000+

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.

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.

2014

Awarded Top Most Cyber security Company in India in 2014 by Silicon India

2017

Awarded as fastest Growing tech Company- covers Story (2017) for Attaining the mammoth Of Success in the Shortest time Frame Possible.

2019

Awarded Training Institute of the year in 2019 by higher education Review.

2021

Honoured under "20 most Trusted Cyber Security Companies in India" By The Global Hues.



Pristine InfoSolutions has been featured in various print media and TV News Channels to impart expertise on the issues of Cyber Security along with FM Radio channels. Visit www.pristinettraining.in to hear about the latest FM Interviews of How Hackers Steal Personal Information and much more.

WORK DOMAINS

Currently the Company offers:

A. IT Security Training:

- i. Cyber Security Awareness Training for Corporates/Firms/Universities
- ii. UG/PG Certified Programs for all.
- iii. Customised Workshop and Seminar for Corporates/Firms/Universities

B. IT Security Audit Services:

- iv. Vulnerability Assessment and Penetration Testing
- v. SOC (Security Operation Center)
- vi. ISO 27001 Implementation
- vii. IT Security Policy Making and Review and much more...

C. Cyber Crime Investigation & Forensics:

- viii. Computer Forensics
- ix. Malware Analysis & Crisis Negotiation
- x. Digital Fraud Investigation
- xi. Insider Attack

D. Facilitators of Pristine's ATC (Authorised Training Centre):

- xii. Become an ATC and take your business to new heights.

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.

COURSE CONTENT

Duration: 100 hours

Introduction

- Vulnerability Assessment
- Approach of VA & PT
- Penetration Testing
- Difference Between VA & PT
- Types of VAPT
- Common Penetration Testing Areas
- Red Team & Blue Team

Linux Essentials

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

Network Penetration Testing

- Introduction Network
- Basic Terminologies In Network
- Network Infrastructure
- Installation / Lab Setup (Creating Small Network Infrastructure with Windows Server 2019)
- Introduction to Active Directory & It's Services
- Understanding Concepts of Domain, Workgroup, Forest, ADDS, DC[ADC, PDC, RODC, CDC] In Network
- Network Footprinting
- Port Scanning
- Service Enumeration
- Vulnerability Assessment

- NMAP Script Scan
- Enum4Linux
- Nessus Scanner
- Introduction to Metasploit Framework
- Solving Metasploitable Lab
- Common Network Attacks
- Null Session Attacks
- NFS Exploitation
- SMB Share Enumeration
- SNMP Enumeration & Exploitation
- Introduction to PowerShell
- Basic PowerShell Scripting
- Local Privilege Escalation Windows
- WinPEAS
- Local Privilege Escalation Linux
- Basic Linux Command for Enumeration / Privilege Escalation
- LinPEAS
- Password Spraying Attack
- CrackMapExec
- Hash Dumping
- Mimikatz
- Pass The Hash

Web Enumeration

- Whois Lookup
- Detect Backend Technology
- Google Dorking
- Subdomain Enumeration & Shodan Search
- Directory & Parameter Fuzzing
- Broken Link Enumeration
- JS File Analysis
- Port Scanning
- Wayback History

Burp Suite

- Proxy Setup
- Certificate Import
- Target Tab
- Intruder Tab
- Repeater Tab
- Other Helpful Tab

Web Scanners

- Introduction
- Nikto Scanner
- Acunetix Scanner
- OWASP ZAP Scanner
- Syhunt Hybrid Web Scanner
- Arachni Scanner

OWASP Top 10

- OWASP Top 10 - 2017 & 2021
- A1-Broken Access Control
- A2-Cryptographic Failures
- A3-Injection
- A4-Insecure Design
- A5-Security Misconfigurations
- A6-Vulnerable and Outdated Components
- A7-Identification and Authentication Failures
- A8-Software and Data Integrity Failures
- A9-Security Logging and Monitoring Failures
- A10-Server-Side Request Forgery (SSRF)

Web Extreme Bugs

- Subdomain Takeover
- Misconfigured S3 Buckets
- HTTP Parameter Pollution
- SSRF
- CSRF
- Local File Inclusion

- Remote File Inclusion
- Clickjacking
- Session Fixation
- Host Header Attack
- Improper Data Handling (Error Page and Input Fields)
- CORS
- RCE
- Client-Side Template Injection
- Server-Side Template Injection
- Business Logic Vulnerabilities

CMS Testing

- Introduction to CMS
- Types of CMS
- Security Loopholes in CMS
- CMS Scanners
- WPScan
- JoomScan
- CMSMAP
- CMSSeek

Source Code Auditing

- Introduction to Source Code Auditing
- Need of Source Code Audit
- Tools for Static Analysis (VCG)

Web Patch Management

- Introduction
- ClickJacking
- XSS
- Input Sanitization
- SQL Injection
- CORS
- Rate Limiting
- Implementing HTTPOnly & Secure Flag
- Directory Fuzzing / Traversal
- 2FA Bypass

API Testing

- Introduction to API
- REST & SOAP API
- Real Time Usage of API's in Industry
- Lab Setup
- Introduction to Postman
- API Recon
- Understanding HTTP CRUD Operations
- API OWASP Top 10 - 2023
- JWT

Android VAPT

- Introduction to Android & It's Architecture
- Understanding Of APK
- ADB
- Log Monitoring
- Android APK Reverse Engineering
- Static vs Dynamic Testing
- Android Manifest File Analysis
- Android Traffic Intercepting
- Root Detection Bypass

- SSL Unpinning
- Introduction to Frida & Objection
- Mobile OWASP Top 10 - 2024

Fundamentals Of Reverse Engineering

- Introduction
- Forward Engineering vs Reverse Engineering
- Stages of Reverse Engineering
- Debugging Tools
- Understanding of Assembly
- Reverse Engineering Common Applications

SOC & Threat Intelligence

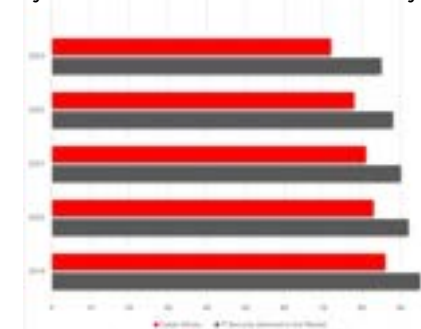
- Introduction to SOC
- Roles & Responsibilities
- Introduction to Incident Response
- Introduction to Incident Detection
- Log Monitoring & Analysing
- Introduction to Threat Intelligence

JOB PROFILE

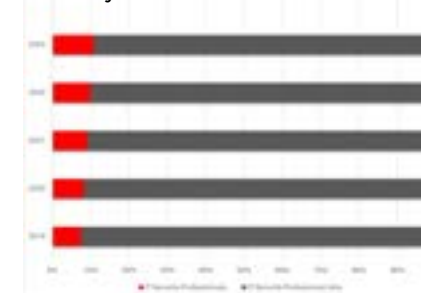
The Penetration Tester frequently works as a part of an Information Technology (IT) or Cyber Security Team.

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



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 100 Hours

Batches Regular / Weekends

Fees Rs. 45000 /- (Plus GST as applicable)

Includes - Training, Online Examination, Study Material, Resources and Certification

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 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 CTO & FOUNDER



www.rizwanonline.com

Rizwan Shaikh is a prominent figure in Information Security and Cyber Crime Consultancy, boasting 14 years of experience. Notable achievements include identifying vulnerabilities in SMS gateways and thwarting cyberattacks. He's conducted workshops globally, training over 30,000 individuals. As a Cyber Security Researcher, he's uncovered critical vulnerabilities in major corporations and government portals, while also resolving Cyber Crime cases and advising organizations on secure cyber architectures. Rizwan is the Founder and CTO of Pristine InfoSolutions Pvt. Ltd, specializing in Cyber Crime Investigations and Ethical Hacking. His mission is to create a safe Cyber world by protecting internet users from malicious hackers.

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 betterwork profile. I learned lot of new things which will definitely build my future career."

-Tushar Khanyilkar | 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 | TCS.

"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.

"My career in cyber security started from Pristine InfoSolutions. It was an amazing journey in Pristine because I got to learn so much while working on live projects. During my internship, I also did the CPTe course which helped me to enhance my skills much more. Overall, it was a great and valuable journey in Pristine. So, I am grateful to Pristine for the knowledge and guidance I have gained."

-Preeti Negi | Cyber security Analysts | BDO India

"The journey at Pristine was pleasant, and I both liked and learned a lot. The team members & mentor were extremely helpful throughout my time of need."

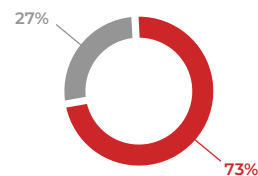
-Madni Faruquee | Security Analysts | Talakunchi Networks Pvt Ltd

"I completed both the basic and advanced courses at Pristine. The experience with Pristine InfoSolutions was enjoyable. It is an excellent institute for all cyber security courses..."

-Murtaza Warsi | Security Analysts | Talakunchi Networks Pvt Ltd

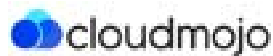
OUR CLIENTS | Meet our prestigious clients

CPTe TRAINED



■ 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.



& many more...

CPTe TRAINED



■ Engineering Students
 ■ Other Institutions

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:

- ▶ 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
- ▶ Singhad 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
- ▶ MANIT, Bhopal

& many more...



Head Office (Mumbai)

Pristine InfoSolutions Pvt. Ltd.
305-B, Town Centre II,
Andheri-Kurla Road,
Marol Naka, Andheri (East),
Mumbai - 400059, Maharashtra

Direct: +91 - 9029029632
E-mail: contact@pristineinfo.com
www.pristineinfo.com

Seychelles Office

Pristine InfoSolutions Seychelles
Global Gateway 8, Rue de la
Perle, Providence, Mahé,
Seychelles

Tel: + (248) 4374000
E-mail: contact@pristine.sc
www.pristine.sc

Bahrain Office

Pristine InfoSolutions Bahrain /
Hacktech Solutions WLL
Business Bay, 1712, Building 1260,
Road 2421, Block 321, Juffair - 11614,
Kingdom of Bahrain

Tel: + 97317369478
E-mail: bahrain@pristineinfo.com
www.pristinebahrain.com