PQDS ACADEMY

Web Application Penetration Testing

## Your Pathway to CyberSecurity

Entering the realm of Web Security

Why Cybersecurity?

Cybersecurity is crucial today as our reliance on technology grows. With sensitive data, financial transactions, and personal information stored online, cyber threats like hacking, data breaches, and ransomware have increased. Effective cybersecurity helps protect individuals, businesses, and governments from these threats, ensuring privacy, preventing financial loss, and safeguarding critical infrastructure. It also builds trust in digital systems, which are the backbone of modern communication, commerce, and governance. Without strong cybersecurity measures, society faces significant risks to its safety, privacy, and overall stability.

The rise of cyber threats, data breaches, and the need for skilled professionals.

The rise of cyber threats and data breaches has surged in recent years, with more sophisticated attacks targeting individuals, businesses, and governments. As digital transformation accelerates, cybercriminals exploit vulnerabilities, leading to significant financial losses, exposure of personal information, and disruptions in critical services. Major breaches affecting millions have raised awareness about the severity of these threats.
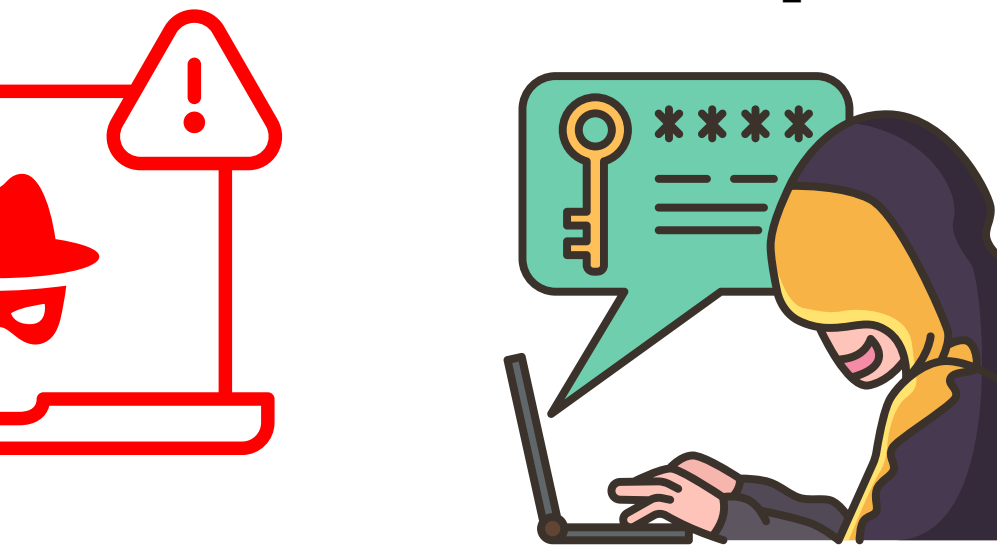
This has created a pressing demand for skilled cybersecurity professionals to defend systems, detect vulnerabilities, and mitigate attacks. Ethical hackers, incident responders, and security analysts play vital roles in countering evolving threats and ensuring the resilience of digital infrastructures.

The growing demand for cybersecurity experts.

The growing demand for cybersecurity experts is fueled by the increasing frequency and complexity of cyberattacks. As organizations across industries face heightened risks from data breaches, ransomware, and other cyber threats, they need skilled professionals to secure networks, protect sensitive information, and ensure compliance with regulations.

The global shortage of cybersecurity talent has led to competitive salaries and numerous opportunities for ethical hackers, security analysts, and incident responders. Companies and governments alike are investing in cybersecurity as a top priority, making it one of the fastest-growing and most in-demand career fields today

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What You Will Learn?

1	Working of Web Applications

2	Burpsuite

3	OWASP TOP-10

4	Authentication and Session Management

5	Web Pentesting Methodology

6	Web Pentesting Tools

7	Best Practices in Web Application Pentesting

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Is This Course for You?

This course is ideal for individuals at different stages of their cybersecurity careers, whether you are just starting out or already working in the IT field. If you're a beginner looking to kickstart your career in cybersecurity, the Web Application Security Essentials course offers a solid foundation in web security principles and practices, giving you the skills to navigate this rapidly growing field. No prior knowledge of cybersecurity is necessary, making it a great entry point.
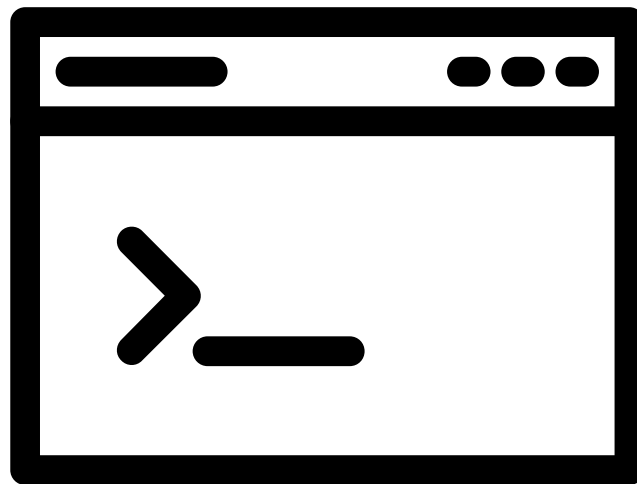
Whether you're starting your cybersecurity journey or looking to enhance your web security skills, this course is designed to meet your needs.
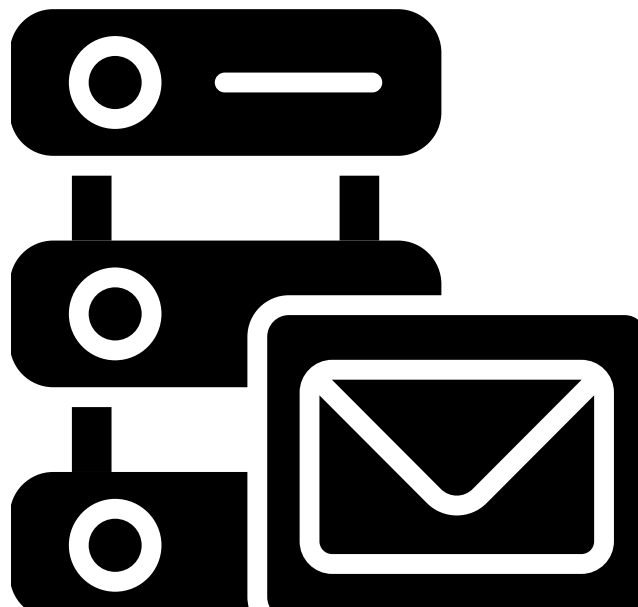
Skills You Will Develop

- Web Application Security Expertise: Gain the ability to identify, analyze, and mitigate common vulnerabilities in web applications, including OWASP Top-10 threats like SQL Injection and Cross-Site Scripting (XSS).

- Proficiency with Burp Suite: Develop hands-on skills with Burp Suite, mastering web application testing techniques such as intercepting HTTP requests, manipulating data, and automating security scans.

- Strong Understanding of Authentication and Session Management: Learn to implement and assess secure user authentication methods and session management strategies, ensuring protection against unauthorized access.

- Ethical Hacking Practices: Gain a strong understanding of ethical hacking principles and the professional standards required when performing penetration tests, ensuring responsible and compliant practices.

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How You Will Learn?

- Live Video Tutorials for each module, with recordings available for 24 hours after each session.

- Quizzes to reinforce learning and assess your understanding of key concepts.
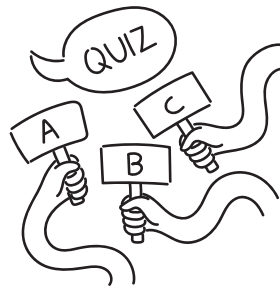
- Interactive exercises and case studies to apply your knowledge in real-world scenarios.

- Practical tips for real-world application to help you implement cybersecurity measures effectively.
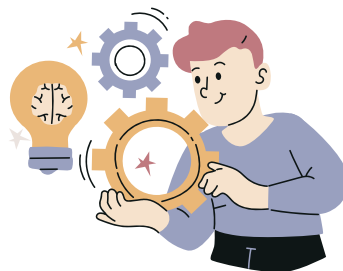
"Learn through engaging, hands-on methods, with live interaction and immediate access to learning resources."

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Why This Course Matters?

In today's digital landscape, web applications are essential for businesses, but they are also prime targets for cybercriminals. With attacks becoming more sophisticated, organizations need skilled professionals who can identify and mitigate vulnerabilities in web applications. This course bridges the gap between theoretical knowledge and practical application, providing you with the tools, methodologies, and hands-on experience required to secure web applications against real-world threats.

Mastering security fundamentals, such as the OWASP Top-10, and tools like Burp Suite is critical to preventing breaches, data theft, and reputational damage. Whether you are an aspiring cybersecurity professional or an experienced developer looking to strengthen your security expertise, this course equips you with the skills needed to safeguard web applications, protect sensitive data, and contribute to the overall security of online ecosystems.
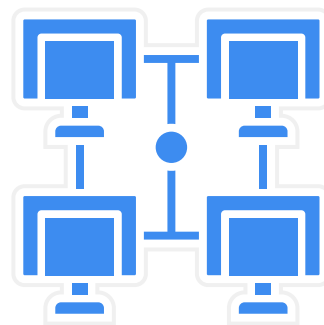
With the rise in web-based attacks, your ability to defend against them is more valuable than ever.

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Enroll Now!

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