# hkpc Academy 生產力學院

# Securing Your E-Commerce Web Application Against Cyber Threats

## FUTURESKILLS 裝備未來

Course Fee: HK$6,400  (May apply up to HK$4,266 subsidy)
*Maximum saving, with the final grant subjects to approval.

**RTTP Approved**

COVID-19 has made companies pay more effort in the development of their websites to incorporate e-commerce function.

As business websites can hold a vast amount of valuable client data, they become attractive targets of hackers. Hence, insecure web applications can increase the risk of data leakages and system compromise incidents.

This programme helps website administrators keep abreast of the recent development of web applications, common web applications, common web application security issues and tactics to secure websites. A hands-on lab will be provided for participants to gain practical experience in checking and verifying the security (or penetration testing) of a fully functioned e-commerce website.

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| Programme code | 10012405-01 |
| Date and time | 24 – 25 Mar 2022<br>09:30 – 17:00 |
| Venue | 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong |
| Medium | Cantonese with English terminology |
| Fee | **Early Bird Price (deadline on 24 Feb 2022):**<br>- Staff of Organiser or Member of Supporting Organisation: HK$6,000 per person<br>- Non-member: HK$6,200 per person<br>**Regular Price:**<br>- Staff of Organiser or Member of Supporting Organisation: HK$6,200 per person<br>- Non-member: HK$6,400 per person<br>**Member of HKRMA:**<br>- HK$6,000 per person |
| Remarks | The application deadline is **17 Mar 2022**.  Late submission will NOT be considered. |

## Course Objectives

Participants should be able to:

✓ Understand the recent web technology and web application security landscape

✓ Understand the OWASP Top 10 web security issues

✓ Understand and apply the web application security concepts, techniques and tools learnt to fix OWASP Top 10 issues in different platforms

✓ Apply the skills learnt from Juice Shop hands-on exercise and tools in assessing the security of (or penetration testing) a fully functioned e-commerce website

This course is an approved Reindustrialisation and Technology Training Programme (RTTP), which offers up to 2/3 course fee reimbursement upon successful applications. For details: https://rttp.vtc.edu.hk.

## Course Outline

- Latest Web Security Landscape
  - Basics of web technology
  - Well known web compromised security incidents

- Common web application issues (on different platforms and applications)
  - Insufficient HTTP Headers
  - CSP, SOP, CORS
  - Issues with Client-Side Security Measures
  - In-depth into Cookies and Sessions
  - Local Storage
  - Insufficient Data Escaping

- OWASP Top 10
  - OWASP Top 10 2021 for Web Application
  - How to harden website to prevent OWASP Top 10 issues

- OWASP Juice Shop Workshop
  - Hands on exercise to identify security vulnerabilities and fix them

- Tools for Website Security Testing and Verification
  - Useful Chrome browser plugins for developers
  - OWASP ZAP
  - etc.

## Target Audience

✓ Website owners interested in web application security
✓ Web application developers
✓ Information security staff interested in enhancing hands-on experience on web application testing

**RTTP Training Grant Application**
Companies should submit their RTTP training grant application for their employee(s) via https://rttp.vtc.edu.hk/rttp/login at least two weeks before course commencement. Alternatively, application form could be submitted by email to rttp@vtc.edu.hk along with supporting documents.

Inquiry  Ms Tracy CHOY| +852 2788 5884| tracyc@hkpc.org

## Trainer

**Mr Bernard KAN**

Bernard KAN has over 20 years of experience in information security as a security team leader in Banking and Telecommunication industries and HKCERT.

He has been delivering quality information security training to enterprises, talks in in security conference and sharing sessions to NGOs. He was a frequent speaker for security awareness training.

He had been a part-time lecturer a post-graduate Information Security certificate course of City University of Hong Kong for 6 years.

Bernard holds various professional certifications, including CISSP, GCIA, GCIH, CWSP, CCNP, MCSE and CEC. He is a Master of Science degree in E-Commerce.

## Certificate of Training

Participants who have attained 75% or more attendance of lecture will be awarded an Attendance Certificate.

## Enrolment Method

1. Scan the QR code to complete the enrolment and payment online.

2. Mail the crossed cheque with payee name "Hong Kong Productivity Council" (in HK dollar) and the application form should be mailed to Hong Kong Productivity Council, 2/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Ms Tracy CHOY). Please indicate the course name and course code on the envelope.

(Only receipt printed with receipt printers at HKPC is valid. Receipt of cheque payment is subject to bank clearance.)

https://www.hkpcacademy.org/redirection.php?lang=zh-hk&code=10012405-01

## Supporting Organisations (in arbitrary order)