hkpc Academy 生產力學院

Emerging Technology FutureSkills Catalog
- To Enable Your Digital Transformation Journey

Updated Version: 04 OCT 2021

TechEd

Upcoming **Free** Webinars

Tech THURSDAY - Lunch & Learn -

hkpc live

NEW

Can you imagine learning popular technology topics like Agile/Scrum, Low Code Apps development, Cloud Strategy, Digital Trust, Container Technology, Machine Learning and AI, Customer Relationship Management (CRM), Paperless office during 30 minutes lunchtime?

Let's join our Tech Thursday! In our sessions, you will be able to learn latest technologies and get abreast with the trending solutions and services to drive your organisation's success in digital transformation.
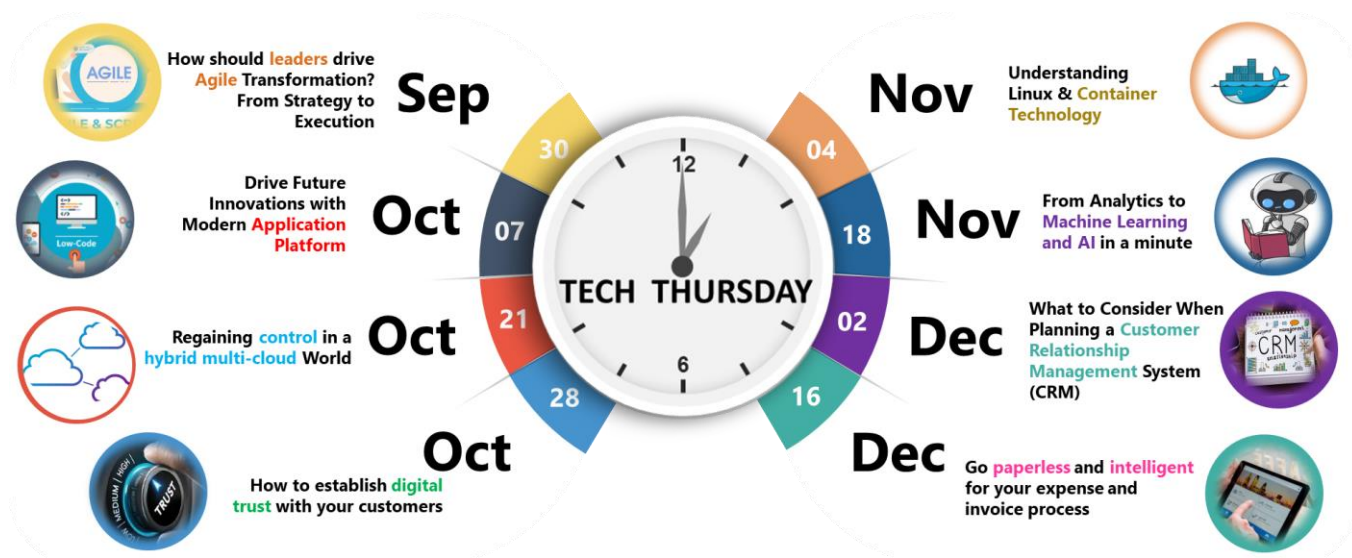
Registration may have a chance to get a **HK$50 food e-voucher** offered by the sponsors in the designated sessions* (each session has 50 quota).

[*] We will send food e-vouchers to the first 50 participants who complete the questionnaires in our voucher QR code during our webinar live.

Scan the QR code and reserve your seat now!

OR [click here](#) for registration

Tech Thursday Calendar:

- **Sep 30** — How should leaders drive Agile Transformation? From Strategy to Execution
- **Oct 07** — Drive Future Innovations with Modern Application Platform
- **Oct 21** — Regaining control in a hybrid multi-cloud World
- **Oct 28** — How to establish digital trust with your customers
- **Nov 04** — Understanding Linux & Container Technology
- **Nov 18** — From Analytics to Machine Learning and AI in a minute
- **Dec 02** — What to Consider When Planning a Customer Relationship Management System (CRM)
- **Dec 16** — Go paperless and intelligent for your expense and invoice process

e-catering companies — KFC, Pizza Hut, 聖安娜餅屋, 健康工房 Health Works, Pacific Coffee

(no particular order)

Supporting organisations — ScrumHK, Scrum.org, outsystems, EQUINIX, APAC Recom & Events Management, SAP Concur, SMARTBEAR, Red Hat, SYSTEX, SAP, salesforce, LAPUTA

(no particular order)

Inquiry   Ms LAM | +852 2788 5800 | ecinfo@hkpc.org

TRAINING HIGHLIGHTS

Course	**E4.0: Low Code Software Development Hands-on Workshop (1 day)**
Course fee	Original Price HK$1,200 May apply up to HK$400* subsidy *Maximum saving, with the final grant subjects to approval.

This workshop allows you to gain an understanding of Low Code, which will become the software development trend of the future. Delivered by highly experienced Low Code specialists using a mixture of presentations, case studies, practical demonstrations and exercises.

Learn how Low Code is used to empower Digital Transformation Journey of Enterprises!

Or Click Here

Big Data & AI

❑ **Big Data and Open-source Fundamentals Workshop (1 Day)**

This 1 day course will describe the new best practice in big data analytics and how big data impacts the technology ecosystem. You will get to know why and how the open-source movement impacts the technology ecosystem. This course will also explain the key factors to identify and use different data visualization technology to communicate data in context.

❑ **Python for Big Data Analytics Certificate Program (2 Days)**

This 2 days course will use Python as the programming language across all analytics processes. Upon completion of this course, you will be able to use Python in data prepping tasks and prepare models for predictive analytics. You will learn how to use Pandas and various Python libraries, everything from importing spreadsheet data to processing sets for time-series analysis, machine learning and even AI.

❑ **Machine Learning Programming Workshop in Tensorflow, Keras and Pytorch**

This 1 day course will describe the application of Python programming using Tensorflow, Keras and Pytorch Libraries. Various innovative development approaches of machine learning and deep learning will also be covered.

Big Data & AI (Cont.)

❑ Big Data Analytics: Essentials for Smart City (2 Days)

This course allows participants to learn and apply Business Intelligence Analysis in Smart City. Participants will get to understand Big Data concepts and the use of Big Data Map Reduce Techniques which helps efficient information dissemination. Participants will also learn about the practical use of Analytics on large-scale document management system, monitoring IoT devices, Smart Meter and Smart Drainage to enhance their project management skills for Smart-City.

❑ Big Data & Artificial Intelligence: Deep Learning & Application (2 Days)

Deep Learning Technology is a cross-discipline of technology among Big Data Analytics, Statistics and Neuroscience Technology. In this course, we will elaborate from the basics starting from big data machine learning concept, statistics methodology, and practical programmes running, commercial deployment for project managers.

❑ Enterprise 4.0: Data Analytics in Power BI for Business Users Workshop (1 Day)

It provides an overview of Power BI Desktop and the Power BI Cloud Service. Participants will equip themselves of full features of Business Intelligence and Data Literacy for model data-drive business.

Empowered by
Microsoft

❑ Enterprise 4.0: Certificate in Power BI for Data Analytics (2 Days)

Participants will be able to analyze data from different data sources and create their own datasets; be able to comfortably work with the different tools of the Power BI universe and know how the different tools work together and dive deeper into Power BI and find out more about its advanced features.

Empowered by
Microsoft

❑ Immersive Data Analytics Bootcamp – Tableau Certification Course
(Real live project-based BI solution training for developers from beginners to advanced)

This Bootcamp aims to develop participants' skills in data preparation, data visualization for building Management BI solutions and leveraging the trainer's project experience on different industry applications. Participants can learn practical data visualization skills to improve efficiency, leveraging data value for analytics and presentation. We will apply real business cases instead of feeding technical functions using Tableau Public.

DATA TECH
Consulting Services

+ **tableau**

**Click Here for
Schedule and Enrolment**

Agile & Scrum

Professional Scrum Series
PMI credential holders can earn 14 PDUs for each course attendance

Scrum.org *The Home of Scrum* ScrumHK

RTTP Approved

We are living with technologies like mobile, internet of things, artificial intelligence and machine learning that contribute to the rapidly changing markets with new products, competitors and regulations.

Scrum is a framework for developing, delivering, and sustaining complex products. It is the approach we can use to address complex adaptive problems while efficiently and creatively delivering products of the highest possible value.

HKPC Academy collaborates with Scrum HK to provide a series of certification training on scrum masters, product owners, user experience and DevOps to help IT professionals and enterprises to better equip their businesses and departments for agile transformation.

- ❑ **Professional Scrum Master**
- ❑ **Professional Scrum Master II**
- ❑ **Professional Scrum Product Owner**
- ❑ **Professional Scrum User Experience**
- ❑ **Practical Training on Professional Scrum for Agile Transformation**

PSM · PSM II · PSU · PSPO · APS

- ❑ **Professional Agile Leadership: Evidence-Based Management**

  Usually organisations that use Agile product development techniques use traditional management approaches, expecting leaders to set firm long-term goals and manage progress toward them with dashboards of static metrics. This programme focuses on the Evidence-Based Management™ (EBM) framework through hands-on, activity-based learning.

NEW

Click Here

- ❑ **Leading SAFe® Agilist Certification Programme**

  This course rides on SAFe® 5.1, which is the latest version released in Feb, 2021.

  In this 2-day course, participants will gain the knowledge necessary to lead a Lean Agile enterprise by using the Scaled Agile Framework SAFe® and its underlying principles derived from Lean, systems thinking, Agile development, product development flow and DevOps.

SA SAFe 5 · RTTP Approved

SCALED AGILE PARTNER SILVER

Click Here

NEW Services

- Utilizing collaboration to more reliably build, test, and release products on demand
- **DevOps and Testing Automation**
- Launch pilots to test the agile operating model in a defined area
- **Pilot**

- Agile leadership
- Organizational agility
- Continuous learning culture
- **Organization Design**

Agile Transformation

Strategy
- A vision of and design for agile operating model

- **Team and Technical Know-hows**
- Coaching and training

hkpc 生產力局 | ScrumHK

Agile transformation consultancy services

Let's be Agile

DevOps

❑ DevOps Foundation (DOFD®)

The 2-days DevOps Foundation programme is intended to provide participants with an understanding of basic DevOps concepts and how DevOps may be used to improve communication, collaboration and integration between software developers and IT operations professionals. Participants will get to know how to improve workflows and in return improving their ability to design, develop, deploy and operate software and services faster.

Click Here

❑ Scrum Developer with DevOps Training

❖ **Full attendance can be awarded HKPC x Microsoft joint Certificate, and 21 PDUs can be earned for PMI credential holders**

Empowered by
Microsoft

Throughout the course, participants collaborate together as a team in a series of Sprints where they apply modern engineering practices, and use the Scrum framework to cope with changes.

Click Here

❑ DevOps Leader (DOL®)

This course is a unique and practical experience for participants who want to take a transformational leadership approach and make an impact within their organization by implementing DevOps.

Agilizing

Click Here

❑ Site Reliability Engineering (SRE) Foundation℠

MOST POPULAR

This course introduce the principles and practices that enable an organizations to reliably and economically scale critical services. Introducing a site-reliability dimension requires organizational re-alignment, a new focus on engineering and automation, and the adoption of a range of new working paradigms

Agilizing

Click Here

❑ Continuous Testing Foundation (CTF)℠

This comprehensive course addresses testing in a DevOps environment and covers concepts such as the active use of test automation, testing earlier in the development cycle, and instilling testing skills in developers, quality assurance, security, and operational teams

Agilizing

Click Here

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Organisations need DevOps professionals for digital transformation.
DevOps Certifications in 2021:
○ DevOps Foundation Certification (DOF)
○ DevOps Leader (DOL)

Cloud

Container Technology Series: Kubernetes (K8s)

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❑ **Experience Hands-on Workshop on Kubernetes (K8s) - 1 Day**

Participants will learn the basic concepts of Kubernetes and can experience how to deploy containers, load tests, and best practices to design a high-traffic system to process transactions with dynamic compute resources in a sample application of「WordPress」.

❑ **Container and Kubernetes Fundamentals -3 days**

NEW

This course provides essential technical skills and knowledge required to manage Kubernetes in a production environment. It is the best technical foundation course before attending Official Linux Foundation™ Kubernetes (K8s) Courses (LFS458 & LFD459).

❑ **Certified Kubernetes Administration (LSF458-CKA) (4 days)**

MOST POPULAR

This course offers exposure to the many skills necessary to administer Kubernetes in a production environment and is excellent preparation for the Certified Kubernetes Administrator (CKA) exam.

CERTIFIED kubernetes ADMINISTRATOR

THE LINUX FOUNDATION 开源软件大学

❑ **Certified Kubernetes Application Developers (LFD459-CKAD) (4 days)**

This international certification is for Kubernetes engineers, cloud engineers and other IT professionals responsible for building, deploying, and configuring cloud native applications with Kubernetes. All participants completing the course will be registered for CKAD exam.

CERTIFIED kubernetes APPLICATION DEVELOPER

HKPC Academy recently won the"2020 LFOSSA Excellent Training Partner Award" of Linux Foundation Open Source Software Academy (LFOSSA), the training arm of the world's largest open source organisation, Linux Foundation, together with our authorized Kubernetes trainer was also being recognized as "2020 LFOSSA Excellent Trainer.

NEW

According to LFOSSA said Kubernetes learners from HKPC Academy have returned with a Certified Kubernetes Administrator (CKA) exam passing rate much higher than the global average rate.

Cloud (Cont.)

❑ Red Hat® Linux official Certificated Administration (RHCSA)

This course allow participants to learn essential Red Hat® Enterprise Linux configuration, administration, and maintenance in a condensed format. It combines Red Hat® System Administration I (RH124) and Red Hat® System Administration II (RH134), reviewing the tasks at an accelerated pace.

Red Hat

RED HAT CERTIFIED
SYSTEM ADMINISTRATOR
Red Hat

❑ Rapid Track Course for Red Hat Certified Specialist in OpenShift Administration II (DO285)

MOST POPULAR

Red Hat

RED HAT CERTIFIED
SPECIALIST
Red Hat

This course helps you gain core knowledge in building, configuring and managing Red Hat® OpenShift® Container Platform. This immersive and intensive, hands on course shows you how to deploy applications to a local container engines and OpenShift® clusters, manage the cluster on a day-to-day basis, and troubleshoot the deployment of containerized applications.

It is based on Red Hat® OpenShift ® Container Platform 4.5 and combines the content from Red Hat ® OpenShift ® I: Containers & Kubernetes (DO180) and Red Hat ® OpenShift ® Administration II: Operating a Production Kubernetes Cluster (DO280).

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❑ Advanced Microservices Certification Programme (2 Days)

The course provides a lot of hands on practices for participants to master the microservice approach for application development.

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[FutureSkills] Required for a successful IT Team

Continuous learning and skill improvement are key success factors of IT teams nowadays. We need to adjust IT strategy on the fly to align with current business objectives in an agile culture. So, mastering all below new skills development are essential to build a successful IT team in your organisation.

Programming
❖ Should have strong general programming skills, such as SQL, Java, Python, Ruby, Golang, Node.js, PHP and .NET.

6
Know more…

DevOps
❖ DevOps is a popular framework for cloud engineering, bringing development and operations approach in one mold.

1
Know more…

Cyber Resilience
❖ Knowledge of cyber resilience and put it into practice in the context of the cloud.

5
Know more…

Containerization (Docker/K8s)
❖ Should have proficiency of containerization tools and understand Docker and Kubernetes.

2
Know more…

Data Management
❖ Proper data management is a vital step toward better overall data health and
❖ Data management strategy can help to start delivering critical business intelligence in the organisation.

4
Know more…

IT Team

3
Know more…

Architecture
❖ Understanding various design practice of cloud, such as hybrid, multi-cloud, edge computing etc.
❖ Should have knowledge of open standards and how micro-services are designed.

Cloud (Cont.)

NEW

Google Cloud Certified CLOUD ARCHITECT

Google
Certified Professional
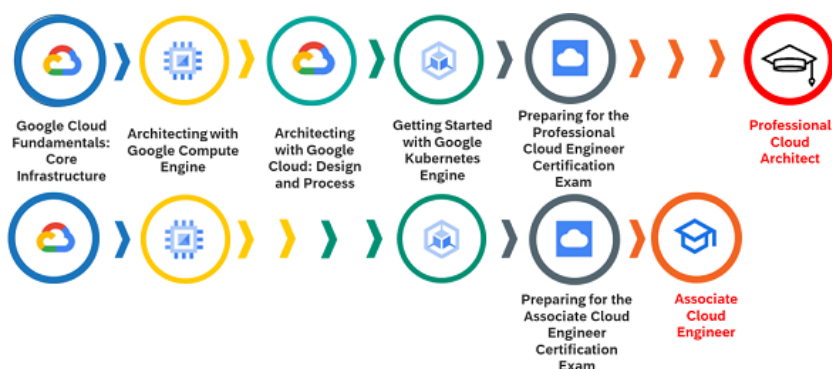Cloud Architect

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❑ **Google Cloud Fundamentals: Core Infrastructure (1 day)**

 Date: 30 OCT 2021 **(FREE of CHARGE)**

MOST POPULAR

❑ **Preparatory course of the Google Cloud Professional Cloud Architect**
❑ **Architecting with Google Compute Engine (3 days)**
❑ **Architecting with Google Cloud: Design and Process (2 days)**
❑ **Getting Started with Google Kubernetes Engine (3 days)**

Google Cloud Fundamentals: Core Infrastructure → Architecting with Google Compute Engine → Architecting with Google Cloud: Design and Process → Getting Started with Google Kubernetes Engine → Preparing for the Professional Cloud Engineer Certification Exam → **Professional Cloud Architect**

Google Cloud Fundamentals → Architecting with Google Compute Engine → Getting Started with Google Kubernetes Engine → Preparing for the Associate Cloud Engineer Certification Exam → **Associate Cloud Engineer**

Applying RTTP

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Google Cloud Partner

HKPC Academy is a Google Cloud Authorized Training Partner in Hong Kong. We provide Associate Cloud Engineer and Professional Cloud Architect learning paths.

Software Development

❑ **Improve the High-Quality Code Awareness of Development Workshop**

FREE

We will discuss how to raise the awareness of code quality, from improving developers' morale, development team transformation, to recruitment best practice.

Click Here

❑ **React Native: Rapidly develop native iOS and Android apps with JavaScript**

FREE

Learn about developing user interfaces with React Native's layout and component support, and accessing the capabilities of native mobile platform.

Click Here

Software Development (Cont.)

❑ **Technical Training on UI/UX (2 Days)**

Start by learning the practical UX design process, usability testing methodology, design tools and terminology to improve application adoption, customer satisfaction and workflow productivity.

Click Here

❑ **Certified Entry-Level Python Programmer Certification (PCEP)** A Preparatory Course for PCEP International Certification Examination

Start programming in Python! Taking this course gives participants the opportunity to dive into computer programming.

Becoming PCEP certified ensures that the individual is acquainted with the most essential skills on Python 3 to enable him/her to start his/her own studies for the intermediate level and to continue further professional development.

Click Here

❑ **Certified Associate in Python Programming (PCAP)**
A Preparatory Course for PCAP International Certification Examination

Becoming PCAP certified ensures that the participant is fully acquainted with all the primary means provided by Python 3 to enable participants to start their own studies, and to open a path to developer's career.

MOST POPULAR

Click Here

PCAP – Certified Associate in Python Programming Certification
RTTP Fund with up to 2/3 subsidy

Citizen Developer

❑ **E4.0: Low Code Software Development Hands-on Workshop (1 day)**

This workshop allows you to gain an understanding of Low Code, which will become the software development trend of the future. Participants with software development experiences from any background will be able learn to build full stack Web and Mobile Applications.

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outsystems **Microsoft**

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Citizen Developer (Cont.)

Robotic Process Automation (RPA) Series
From Elementary to IT Professionals

Empowered by **Microsoft** **Ui Path** **blueprism** **THE BEST RUN** **SAP**

❑ Enterprise 4.0 RPA Hands-on Workshop (1 Day)

The workshop allows you to gain an understanding of best practices that even seasoned developers can benefit from. Candidates without any technical experience, will have chances to build their very first robots for real world automation. The workshop is delivered by highly experienced RPA and sourcing specialists using a mixture of presentations, case studies, practical demonstrations and exercises.

❑ Certificate on RPA for Executives: Start to Deploy a Robotic Workforce in Your Enterprise (2 Days)

This is an essential workshop for any executives and decision makers to plan and get started with RPA, automate many manual processes without investing a huge upfront cost.
- ✓ Guidelines on selecting the appropriate processes for automation
- ✓ How to prepare your Business Case for RPA and expected ROI
- ✓ Mapping existing process (As-Is) and planning to automated process (To-Be) with RPA
- ✓ Case sharing of actual deployment of successful RPA implementation
- ✓ 6 Hands on experience in automating processes by using RPA tool
- ✓ Build your first RPA project and learn how to monitor your Robot

❑ RPA 2.0: Advanced Troubleshooting Certification Training (2 Days)

It is an in depth program that participants will learn the technical knowhow and gain knowledge in design, develop and implement RPA process in a RPA tool with hands on exercises. Participants shall be able to develop complex RPA projects and to understand troubleshooting skills. Bring in real RPA trouble cases to get professional insights.

❑ Blue Prism RPA Developer Certification Training (5 Days)

This course is custom-made for entry and associate level developers and can be given by anyone regardless of their technical background. Upon completion of the 5 days training, the participants will be "certification ready" and fully prepared to serve as a junior RPA developer capable of building enterprise grade automations for his or her company.

Buy-3-get-1-free Corporate Training Incentive 企業培訓「 3送1」優惠

Click Here for Schedule and Enrolment

IoT

Internet Of Thing (IoT) Series:

We will take a close look at how IoT empowers industry applications through case studies.

❏ Introduction to IoT: Technologies and Applications (2 days)

FREE

This program aims at elaborating the core technologies, including RFID sensors, sensor networks and localization behind IoT and the applications in different scenarios derived from these technologies. It is suitable for any professional who wants to learn the application of IoT for designing a solution catering for specific needs.

❏ IoT Certification Program: from   Beginner to Advanced (5 days)

RTTP Approved   *MOST POPULAR*

It focuses on many hands-on practical exercises, including DIY sensor project, programming the weather station, and machine learning programs for IoT data You will understand why we need a proper IoT platform and leverage it to manage multitude of devices, protocols and applications Common IoT protocols such as HTTP, MQTT will be reviewed and compared.

hkpc Academy
IoT Certification Programme:
Start from Beginner to
Advanced Level in 5 Days

Guidance from industry experts
to transform your products to
Smart Devices.

**Click Here for Schedule
and Enrolment**

IT Service and Architecture

NEW

ITIL®4 is a new version of ITIL®, has started to be released since February 2019. The updated version includes new techniques that can be used by IT professionals to further improve efficiency and agile ITIL® with other methods like agile, DevOps and Lean.

❏ ITIL®4 Specialist: Create, Deliver and Support (CDS)

RTTP Approved

The Accredited ITIL 4 Specialist Course | An Agile Way of Working Solutions

It provides IT practitioners with an understanding of service quality and improvement methods, enabling them to continue to deliver innovative yet reliable tech-enabled services to their customers in an increasingly competitive market.

❏ ITIL®4 Foundation

RTTP Approved

The Accredited ITIL 4 Foundation Course | An Agile Way of Working Solutions

This qualification will provide the candidate with an understanding of the ITIL 4 service management framework and how it has evolved to adopt modern technologies and ways of working.

**Click Here for Schedule
and Enrolment**

Cyber Security

SecurityScorecard LITE

Know Your Company, INSIDE OUT!

Evaluate an organisation's security profiles non-intrusively by collecting its digital footprints exposed

SERVICE HIGHLIGHTS

Enables organisations to **rate**, **understand**, and **monitor** the security risk of their organisations

Non-intrusively and from an outside-in perspective (same as a third-party or attacker)

Easy to understand A to F rating scale used to provide visibility of organisation's digital footprints in the cyber world

Categorised into **10 Risk Factors** in order to understand the weakest link in their networks

A B C D F

SERVICES INCLUDE

SecurityScorecard LITE includes the following services:

- **ONE (1) Full Report** per month
- **ONE (1) Hour Consultancy Service** per month to explain the findings and alerts from the report
- **Continuous** monitoring and alert

For Enquiry, please contact Ms Becca Leong at +852-2788 5421 or email to cybersec@hkpc.org

SecurityScorecard is trusted by hundreds of worldwide industry leaders   facebook. pepsi Symantec. NETFLIX

Enrolment Methods

1. Scan the QR code to find the course and proceed 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 HKPC Academy, Hong Kong Productivity Council, 3/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (ATTN: Ms Cherry LAM). Please indicate the course name and course code on the envelope.

Or Click Here
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Supporting Organisations

SUCCESS 中小企業支援與諮詢中心 Support and Consultation Centre for SMEs

50th Anniversary HONG KONG COMPUTER SOCIETY 香港電腦學會

WTIA 香港無線科技商會

Hong Kong Software Industry Association 香港軟件行業協會

THE LINUX FOUNDATION 开源软件大学

INVOTECH 創科滙