

# BLOCKCHAIN

## Blockchain 技術與應用：體驗課程

CONNECTION TECHNOLOGY 裝備未來  
**FUTURE SKILLS**

課程費用: HK\$3,900 (最高可獲得資助: HK\$2,600)

\*此為最高資助金額，資助款項以最終批核為準。



此體驗課程旨在幫助沒有科技專業背景人士，例如人力資源、營銷、銷售、財務，及高級管理人員，取得對區塊鏈技術的實際理解和應用。透過課堂中引人入勝的體驗式學習方法及遊戲，參加與者可以逐步學習區塊鏈概念，並且了解到區塊鏈如何在 ABCD+ 時代帶來數碼化轉型。

課程編號	10011130-02
日期及時間	2021年11月4日 09:30-17:00
地點	九龍塘達之路78號生產力大樓一樓
語言	廣東話
課程費用	HK\$3,900 (最高可獲得資助: HK\$2,600)
備註	共6小時

### 課程重點

該體驗計劃將探討現時互聯網模式的問題：缺乏對等信任和中心化的問題，並了解區塊鏈如何解決信任問題。參與者可以通過體驗遊戲逐步學習區塊鏈概念：

- 區塊鏈 分佈式賬本技術 (DLT) 的定義
- 解釋去中心化架構帶來點對點交易的好處
- 探討 網絡節點中分佈式分類帳中的操作
- 解釋共識協定促進去中心化架構的信任
- 舉例 說明不對稱鑰匙右密的概念
- 公共和私人密鑰
- 突出智能合約的好處，可以消除第3方
- 解釋區塊鏈網絡上分散應用程序 (DAPP) 的好處

支持機構 (以英文字母排序)



此課程已獲「再工業化及科技培訓計劃」認可，合資格學員最高可獲得2/3學費資助。詳情請瀏覽：  
<https://rttp.vtc.edu.hk>。

## 課程大綱

### 上午

- 打破區塊鏈的常見神話和誤解
- 區塊鏈技術的本質
- 區塊鏈體驗活動 棋盤遊戲和匯報
  - 了解區塊鏈的基本概念
  - 去中心化的好處
  - 分佈式賬本系統概述
  - 網絡節點中的分佈式賬本



### 下午

- 繼續使用棋盤遊戲進行區塊鏈體驗活動去學習以下概念：
  - 分佈式共識（工作證明、風險證明、採礦）
  - 密碼學（私人和公共鑰匙）
  - 智能合約
  - 分散應用程序（DAPP）
- 不同職能部門和行業的應用案例研究，例如醫療保健、房地產、物流、人力資源等
- 小組練習：應用小型設計思維方法，使小組參與者能夠利用對區塊鏈的理解在他們自己的行業學科中提出新的想法範例，進行創新。
- 家庭作業和參與社交學習 WhatsApp 群組

學員完成全部課程後，將獲頒發證書。

## 馬文藻博士

馬博士擁有高科技背景，在不同領域擁有豐富的全球管理經驗，包括營銷、業務發展、戰略和產品管理、系統工程以及諮詢和培訓。

他傑出的學術成就受到不同認可，包括商業與領導學院的環球領袖博士學位，研究重點是跨文化和跨代領導，MBA；理學碩士（光通信）；理學士（電氣工程）；和 BA（經濟學）。

此外，他更是潛在項目 CBMT（基於企業的正念培訓）的認證培訓師、MBTI 認可及委任的管理員、MRG 的主培訓師，並且在情商相關的教學和培訓方面具有豐富經驗。



## 報名方法

1. 請掃描QR code並完成網上報名及付款。
2. 請填妥報名表、連同劃線支票郵寄至香港生產力促進局：九龍達之路78號生產力大樓三樓(收件人: Ms Jade Tai)。請於信封上註明課程名稱及編號。報名表請於 <https://www.hkpcacademy.org> 下載。



### 申請RTTP培訓資助

公司如需為僱員申請RTTP培訓資助，須於開課至少兩星期前於

<https://rttp.vtc.edu.hk/rttp/login> 提交申請。另外，申請表連同證明文件亦可電郵至 [rttp@vtc.edu.hk](mailto:rttp@vtc.edu.hk) 提交予秘書處。

# BLOCKCHAIN

## Understanding Blockchain Technologies & Applications: An Experiential Programme

CONNECTION TECHNOLOGY 裝備未來  
**FUTURE SKILLS**

Course Fee: HK\$3,900 (May apply up to HK\$2,600 subsidy)

\*Maximum saving, with the final grant subjects to approval.



This experiential programme aims at helping non-tech professionals such as HR, marketers, salespeople, finance practitioners or even senior management to gain a practical understanding of Blockchain technologies.

With the use of experiential learning methods, participants can experience Blockchain in an engaging way for digital transformation in the ABCD+ era.

Programme code	10011130-02
Date and time	04 November 2021 (Thursday) 09:30 – 17:00 (6 lecture hours)
Venue	HKPC Building, 78 Tat Chee Avenue, Kowloon Tong
Medium	Cantonese
Course fee	HK\$3,900* (May apply up to HK\$2,600 subsidy)
Remarks	Learn the fundamental concepts and applications of Blockchain through participating game activities and group exercise

### Programme Highlights

The Blockchain Experiential Programme explores the issues of current internet model: lack of peer-to-peer trust and the issue of centralisation and see how Blockchain addresses trust issues.

Participants can learn Blockchain concepts step by step through experiential games:

- Definition of Blockchain/Distributed Ledger Technology (DLT)
- Explanation on the benefits of decentralisation architecture that enables peer to peer transactions
- Walkthrough of Operation in Distributed Ledger among Networks nodes
- Explanation on Consensus Protocols that facilitate trust in decentralised architecture
- Illustration of the concept of asymmetric key encryption
- Public Key & Private Key
- Highlight the benefits of Smart Contract that can eliminate 3rd parties
- Explanation of the benefits of Distributed APP (DAPP) on Blockchain network

#### Supporting Organizations (in alphabetical order)



This course is an approved Reindustrialization and Technology Training Programme (RTTP) with up to 2/3 course fee reimbursement upon successful applications. For details: <https://rttp.vtc.edu.hk>.

## Course Outline

### AM session

- Polling to bust the common myths and misunderstanding of Blockchain
- The essence of Blockchain technology
- Blockchain Experiential Activities - Boardgame and Debriefing
  - Understanding the fundamental concepts of Blockchain
  - Benefits of Decentralisation
  - Distributed Ledger System overview
  - Distributed Ledger in Networks nodes



### PM session

- Continue the Blockchain Experiential Activities using boardgame to learn the following concepts:
  - Distributed Consensus (Proof of work, Proof of Stake, Mining)
  - Cryptography (Public Key & Private Key)
  - Smart Contract
  - Distributed APP (DAPP)
- Application Case Studies for different functional units and industries e.g health care, real estate, logistics, HR... etc
- Group exercise: Applying mini-design thinking methodology to enable participants in small groups to come up with new ideas/prototypes that can leverage the understanding of Blockchain for innovation in their own industries/disciplines.
- Homework and participating in social learning WhatsApp group

**Certificate of Attendance will be issued to participants who have attended all lessons.**

### Dr. Andrew MA



- Coming from a high-tech background, Andrew has extensive global management experience in diverse disciplines, including marketing, business development, strategic & product management, system engineering, and consultancy & training.
- He is also recognised for outstanding academic achievements, including a Ph.D from School of Business and Leadership, with a research focused on cross-cultural & cross generational leadership, MBA; M.Sc. (Optical Communication); B.Sc. (Electrical Engineering); and BA (Economics).
- Furthermore, Andrew is a certified trainer for The Potential Project CBMT (Corporate Based Mindfulness Training), qualified and accredited administrator of the MBTI, master trainer for MRG, and experienced in EQ related teachings and trainings.

## 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, 3/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Ms Jade TAI). Please indicate the course name and course code on the envelope.  
Enrolment form can be downloaded at <https://www.hkpcacademy.org>



### 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](mailto:rttp@vtc.edu.hk) along with supporting documents.