hkpc Academy 生產力學院

Smart Facilities & Buildings Management
智能設施及物業管理

CONNECTION TECHNOLOGY 裝備未來 FUTURESKILLS

Course Fee: $4,800 (May apply up to $3,200 subsidy)
*Maximum saving, with the final grant subjects to approval.

RTTP Approved

- ✓ A customised workshop **for non-technical executives and managers** to learn the latest industry technologies and tools for managing related projects
- ✓ Comprehensive content from concepts to implementation (e.g. technologies, project management skills, securities concern, etc.)

Programme code	10011448-05
Date and time	26 – 27 May 2022 (Thu & Fri) 9:30 - 17:00 [Total: 12 hours]
Venue	1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong
Language	Cantonese (supplemented with English terminology and handouts)
Course fee	HK$4,800/ HK$4,320* *Group discount for 2 or more/ Membership discount

Learning Outcomes

By taking this course, you will be able to learn

- the core technologies reshaping the industries of Facilities Management & Buildings
- the most emerging applications of facility management and smart building technologies
- the project management techniques with the use of AI, Robotics and IoT

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.

Trainer's Profile

Alan LEE held senior management role in technology group, overseeing the corporate strategy, product development and production management for more than 14 years. With strong IT background, he possesses practical project experience on sophisticated analytics and large-scale global technology project management.

Mr LEE also has rich training experience in the design and delivery of digital transformation training including AI, Big Data, Blockchain, etc.

Course Content

Part I – Applications & Use Cases

1. Building Information Modelling

2. Emerging Technologies

A. AI and machine learning process
B. Internet of Things
C. Blockchain

3. Emerging Sensors

A. LIDAR
B. Thermal Camera

4. Facilities Management

A. Remote IoT Security
B. Lease Management
C. Robotics Patrolling & Monitoring
D. Energy Optimisation AI
E. Crowd & People Management
F. Carpark System Management
G. Asset & Inventory Tracking
H. Facility Process Tracking

5. Smart Buildings

A. AI Applications - Predictive energy usage, Preventive building maintenance
B. New Wireless & IoT Tech

6. Buildings & Estates

A. Robotics in Construction

7. Blockchain applications in Buildings & Estates

A. Blockchain in Building Project Management with IoT Sensor
B. Blockchain in Smart Contract and Payment

Part II – Project Management & Data Analysis Demo

8. Benefits, costs and limitations of smart facilities management and building technologies

9. Project Management on AI Projects

A. Data Science Process in AI
B. Data Collection & Validation
C. Data Storage of Facilities Sensor Data
D. Data Training & Analysis
E. Project Deployment
F. AI Performance Tracking

10. Project Management on Robotics

A. Introduction to Robotics Technologies
B. Commercial Use Cases of Robotics
C. Autonomous Guided Vehicles
D. Basic Technical Terminology in Procurement
E. Strength & Weakness

11. Privacy & Securities for Project

A. Privacy Concern in Data Usage in Facilities & Buildings
B. Securities Concern in applying the technologies in Facilities & Buildings

RTTP 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 Angel LEE| +852 2788 5754 | angellee@hkpc.org
Ms Becky YU| +852 2788 5029 | beckyyu@hkpc.org

Award of Certificate

A Certificate of Attendance will be awarded to participants who have attended 75% or above of the course.

Enrolment Methods

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

2. Mail the crossed cheque with payee name "Hong Kong Productivity Council" (in HK dollar) and the application form to: ***HKPC Academy, Hong Kong Productivity Council, 3/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Ms Angel LEE)***. Please indicate the course name and course code on the **back of the cheque and envelope**. OR

3. Visit the registration counter of HKPC Academy, Hong Kong Productivity Council (1st Floor, HKPC Building, 78 Tat Chee Avenue, Kowloon) to enrol and settle the course fee.
   Office hours: Monday to Friday 09: 00 - 18: 00

http://u.hkpc.org/ap5

Inquiry: Ms Angel LEE| +852 2788 5754 | angellee@hkpc.org
Ms Becky YU| +852 2788 5029 | beckyyu@hkpc.org