# hkpc Academy 生產力學院

## Huawei Certified ICT Associate – Artificial Intelligence (HCIA-AI Certification Preparation Programme)

**FUTURESKILLS** 裝備未來

Course Fee: $4,500 (May apply up to $3,000 subsidy)
*Maximum saving, with the final grant subjects to approval.

**RTTP Approved**

Do you want to transform your business or your role with AI knowledge and capabilities? This programme will equip you with the backbone to develop your AI career in GBA!

Upon successful completion, you may pursue further examinations to acquire HCIA-AI qualification (exclude from the programme).

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| Course Code | 10013986-03 |
| Date and time | 07, 09 & 14 June 2023 (Wed & Fri) 09:30 – 17:00 (18 training hours) |
| Venue | 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon |
| Medium | Cantonese (supplemented by English and with English Handouts) |
| Course fee | HK$4,500/ HK$4,050* *Group enrolment of 2 people or above |

## Course Objectives

- Master AI development history, the full-stack all-scenario AI strategy, and the algorithms related to traditional machine learning and deep learning

- Be able to build, train, and deploy neural networks by using development frameworks TensorFlow and MindSpore

- Be able to master Huawei Ascend AI system

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

| Chapter | Content |
|---|---|
| **1 – AI Overview** | • AI Overview<br>• Technical Fields and Application Fields of AI<br>• Huawei's AI Development Strategy<br>• AI Disputes<br>• Future Prospects of AI |
| **2 – Machine Learning Overview** | • Machine Learning Definition<br>• Machine Learning Types<br>• Machine Learning Process<br>• Other Key Machine Learning Methods<br>• Common Machine Learning Algorithms |
| **3 – Deep Learning Overview** | • Deep Learning Summary<br>• Training Rules<br>• Activation Function<br>• Regularisation<br>• Optimiser<br>• Types of Neural Network<br>• Common Problems |
| **4 – Mainstream Development Frameworks for AI** | • Mainstream Development Frameworks<br>• TensorFlow 2.x Basics<br>• Common Modules of TensorFlow 2.x<br>• Basic Steps of Deep Learning Development |
| **5 – Huawei AI Development Framework MindSpore** | • MindSpore Development<br>• MindSpore Development and Application |
| **6 – Huawei Open AI Platform for Smart Devices** | • AI Industry Ecosystem<br>• Huawei HiAI Platform<br>• Developing Apps Based on Huawei HiAI Platform |
| **7 – HUAWEI CLOUD Enterprise Intelligence Application Platform** | • Overview of HUAWEI CLOUD EI<br>• ModelArts<br>• HUAWEI CLOUD EI Solutions |
| **8 – Case Sharing from the commercial & government sectors** | • Using Huawei Platform to build the AI model and 200DK |

## Introduction

HCIA-AI certification is intended to popularise AI and help understand Deep Learning and learn the basic capabilities of programming based on the TensorFlow framework, as a motive to promote talent training in the AI industry.

## Pre-requisites

Knowledge in any programming language will be helpful

## Target Audience

- Anyone who pursues to be an AI engineer

- Those who want to acquire a recognised AI qualification

- Those who want to manage AI products such as sales & marketing professionals, product managers, project managers, technical support staff, etc.

## Professional Recognition

Huawei Certification is committed to providing leading talent development system and certification standards, developing new ICT professionals in the digital era and building a healthy ICT talent ecosystem.

Upon completion of this course, participants may further pursue the Huawei Certification written examination to gain the qualification of "Huawei Certified ICT Associate".

- For details of Huawei ICT qualification, please visit:
  https://e.huawei.com/en/talent/cert/#/careerCert?navType=authNavKey

- For registering examination, please visit:
  https://e.huawei.com/en/talent/#/cert/rules

- For enquiries, please email to yuen.ka.hei@huawei.com

## Award of Certificate

Certificate of Accomplishment will be jointly issued by HKPC and Huawei for those attended 75% or above of the course.

## Trainer Profile

The course will be conducted by Huawei Certified Trainer who has over 10 years of training & project experience in technology industry.

## Enrolment

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, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Ms Maggie CHEUNG)**.

   **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/a7t**

## 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 Maggie CHEUNG | +852 2788 5013 | maggiecheung@hkpc.org
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