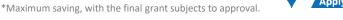




- with the aid of ChatGPT and GitHub Co-pilot



Course Fee: HK\$7,200 (May apply up to HK\$4,800 subsidy)





This course is intended for participants who aspire to stretch their big data analytics competencies in the organization using Python best practices to perform sophisticated analytics processes, data prepping and modelling tasks for predictive analytics using machine learning, AI, with the aid of ChatGPT and GitHub Copilot.

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NITTP Training Grant Application

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

Programme code	10014364
Duration and time	2 days 9:30am-5pm
Venue	1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon Tong
Language	Cantonese, supplemented with English terminology
Course fee	HK\$7,200 (May apply up to HK\$4,800* subsidy)
Prerequisite	Computer operation & basic internet skillAny computer language skill

· Basic Excel skill

Bring Your Own Device (BYOD)

Windows 7/10 / Mac OS 10.x or above with minimum 2 GB RAM and 20 GB hard disk

Course Description

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 big data analytics 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, AI and ChatGPT APIs.

Who Should Attend?

It is highly relevant to participants who involve in the requirements input, design, development,



Course Outline

Python for Data Analytics

- Python programming fundamentals
- Lambda and Python libraries
- Data profiling, statistical computation, data cleansing & munging with Pandas
- Perform big data descriptive and diagnostic analytics with Python
- Case studies: Finance, Logistics, Airline and Utilities etc.

Machine Learning Essentials

- Machine Learning (ML) and Artificial Intelligence (AI)
- Machine Learning and AI models for modern business
- Real-time data and Financial Algo Trading
- OpenAI ChatGPT API integrations
- GitHub Copilot set-up and demo
- Hands-on exercises

Award of Certificate of Accomplishment

Participant with full attendance of class will be awarded a Certificate of Accomplishment issued by the Hong Kong Productivity Council.

Trainer Information

Dr Patrick TSOI, he is a trainer with over 25 years hands-on data science, Big Data and programming experiences. He is a Doctor of Education graduate from the Hong Kong Baptist University, Master in IT Education graduate from the University of Hong Kong and B.Eng in System Engineering and Engineering Management from the Chinese University of Hong Kong.

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) to HKPC Academy, Hong Kong Productivity Council, 3/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Mr Desmond CHAN). Please indicate the course name and course code on the envelope.



Enrolment Link

Supporting Organisations (In arbitrary order)





