

Machine Learning Programming Workshop in Tensorflow, Keras and Pytorch



Course Fee: HK\$3,000 (May apply up to HK\$2,000 subsidy)

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



This course is intended for participants who aspire to learn machine learning and deep learning for AI digital transformation.

Programme code	TBC
Duration and time	2 days 9:30-17:00
Venue	1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon Tong
Medium	Cantonese, supplemented with English technical terms
Course fee	HK\$3,000 (May up to HK\$2,000* subsidy)
Prerequisite	<ul style="list-style-type: none"> Basic Python programming skill Basic Linux skill

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 along with supporting documents.

Course Description

TensorFlow, Keras and PyTorch are among the top three frameworks that are preferred by Data Scientists as well as beginners in the field of Deep Learning. 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.

Who Should Attend?

It is highly relevant to participants who involve in the requirements input, design, development, delivery and ultimate use of the digital initiatives including data analyst, programmer, developers, and innovators.

Course Outline

Content Highlights

Tensorflow

- ❖ Dataflow programming across a range of tasks.
- ❖ Machine learning applications using neural networks.
- ❖ Images recognition and pattern analysis for eCommerce.

Keras

- ❖ Neural networks on top of Tensorflow or self-contained library.
- ❖ Fast experimentation with deep neural networks.
- ❖ Vision models and text manipulations for business analytics.

Pytorch

- ❖ Natural language processing.
- ❖ Application of regression and classifications.
- ❖ Build intelligent language.

Applications and use cases

- ❖ Python programming examples using the above 3 libraries.
- ❖ Uses cases in Business and daily life.

Trainer Information

Patrick TSOI, he is a trainer with over 20 years hands-on data science, Big Data and programming experiences. He is a Doctor of Education candidate 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)

