



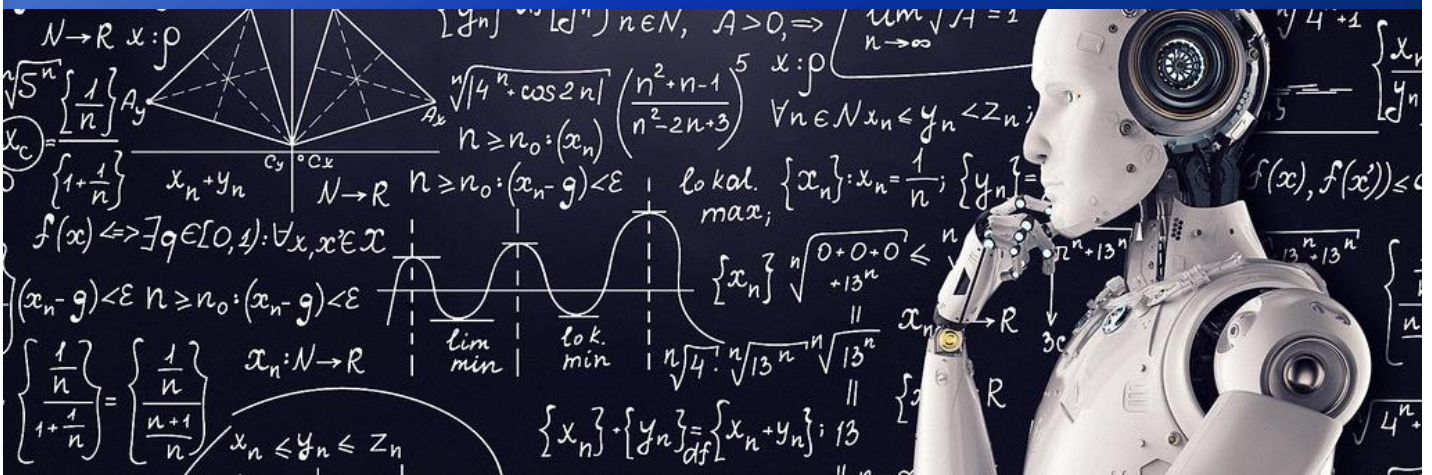
Artificial Intelligence Course (Level IV)

AI and Big Data Analysis (Phase 2)

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Intended Learning Outcomes

Upon completion of the programme, participants should be able to:

1. Understand the concepts and procedures to train pre-trained AI models and to deploy the models to the Edge device through hands-on workshop
2. Explain the difference of three types of machine learning (Supervised Learning, Unsupervised Learning and Reinforcement Learning)
3. Understand basic essential knowledge of cloud computing
4. Participate in the global virtual race



◆ Introduction

Artificial intelligence (AI) makes it possible for machines to learn from data and experience, adjust to new inputs and perform human-like tasks. Using deep learning technologies, computers can be trained to accomplish specific tasks to make everyday life a bit more convenient and our job more efficient. In phase 2, you are not only to learn how to utilize pre-trained deep learning models to build your own models in python programming language, but also learn to train the models in cloud computing platform and deploy the pre-trained model into edge devices to achieve specific tasks like object detection/ recognition etc.

The course consists of **THREE phases**. Phase 1 is on-going and will finish on 5 Mar. If you are interested, you are welcome to apply for Phase 2. The selection is based on students' performance in the final assessment at the end of the programme. The schedule for phase 3 are as below for reference.

Phase 3: 21 May – 27 Aug 2022

◆ Schedule

Session	Date	Time	Format
1	12 Mar	2:00 p.m. – 5:00 p.m.	
2	16 Mar	9:00 a.m. – 12:00 n.n.	
3	19 Mar	2:00 p.m. – 5:00 p.m.	
4	23 Mar	9:00 a.m. – 12:00 n.n.	
5	26 Mar	2:00 p.m. – 5:00 p.m.	Zoom meeting
6	30 Mar	9:00 a.m. – 12:00 n.n.	
7	2 Apr	2:00 p.m. – 5:00 p.m.	
8	6 Apr	9:00 a.m. – 12:00 n.n.	
9	9 Apr	2:00 p.m. – 5:00 p.m.	

◆ Target Participants

- S2 to S6 HKAGE student members
- Priority will be given to student members who have participated in phase 1 (A4AIG001C)
- Class size: 30

◆ Pre-requisite

Students should be able to:

- Understand the basic concept of AI and Machine Learning
- Understand the basic programming logic and programme language of python

◆ Screening

- Please answer the screening question in the online application form
- Refer the performance in the final assessment (for students who have participated in phase 1 (A4AIG001C))

◆ Medium of Instruction

Cantonese with Chinese or English Handouts

◆ E-Certificate

E-Certificate will be awarded to participants who have:

- Attended at least 7 sessions; AND
- Completed all the assignments with satisfactory performance in the final assessments