A4AIG002C (Token- required)

Artificial Intelligence Course (level IV) :

AI and Big Data Analysis (Phase 2)

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Reminder: ▣ ▭ ▣

Application Deadline
4 Mar 2023
12:00 noon

Result Release
8 Mar 2023

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 differences 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.

If student members withdraw from the programme after the Application Deadline, the token will be deducted.

◆ 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 leaning 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 in on-going and will finish on 25 Feb. 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 2 are as below for reference.

Phase 2: 18 Mar – 29 Apr 2023

◆ Schedule

Session	Date	Time	Venue
1	18 Mar 2023	2:00 p.m. – 5:00 p.m.	Room 105, HKAGE
2	25 Mar 2023		Room 105, HKAGE
3	1 Apr 2023		Room 203, HKAGE
4	6 Apr 2023		Room 204, HKAGE
5	13 Apr 2023		Room 303, HKAGE
6	15 Apr 2023		Room 203, HKAGE
7	22 Apr 2023		Room 203, HKAGE
8	29 Apr 2023		Room 203, HKAGE

◆ Target Participants

- S2 – S6 HKAGE student members in 22/23 school year
- Class size: 25
- Priority will be given to student members who have completed phase 1 (A4AIG001C)

◆ Pre-requisite

Students should be able to understand programming languages, like Python

◆ Medium of Instruction

Cantonese with Chinese or English Handouts

◆ Remarks

Participants are required to bring their own laptop for each lesson (Tablets are not recommended. For further assistance, please contact us).

◆ Screening

- Refer to the performance in the final assessment of phase 1.
- Students who have not attended phase 1, please answer the screening question in Jotform.

*The screening question is designed to help the applicant to understand the course level and the course content. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the question. Only students who can demonstrate motivation and the knowledge of data science and data analysis in the screening question would be selected for the programme.

◆ Certificate

E-Certificate will be awarded to participants who have:

- Attended at least 5 sessions; AND
- Completed all the assignments with satisfactory performance in the final assessments.

◆ Enquires

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