



香港資優教育學苑

The Hong Kong Academy for Gifted Education

香港特別行政區政府教育局資助

Subvented by the Education Bureau, the Government of the HKSAR



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A4AIG003C

(Token- required)

[Gifted Programme]

Artificial Intelligence Course (Level IV): AI and Health (Phase 3) Advanced Python for AI: Mastering the Language of Artificial Intelligence

Mr. Norman LOK

Software Developer and Consultant, iREd Solutions Limited



Application Deadline
21 Apr 2025 12:00 noon

Result Release
25 Apr 2025

Intended Learning Outcomes

Upon completion of the gifted programme, gifted students should be able to:

1. Analyze and understand the stages of the design thinking process to develop user-centered innovative product solutions;
2. Grasp the fundamentals of product development and apply techniques for creative idea generation and concept creation;
3. Present their ideas clearly via proposal writing and oral presentation; and
4. Collaborate with team members to draft project charters that reinforce product design and market analysis processes and strategies.

◆ Gifted Programme Introduction

After learning high-level Python skills essential for using AI frameworks and exploring pre-trained models to build AI applications, have you thought of transforming the world into a even better place via AI?

In phase 3 of the course, you will learn to design and develop software or an AI application to solve the problem related to Health through project-based learning. Guided by design thinking, you can investigate the certain field (e.g. in Gerontechnology), structure your thoughts via delineating the background, conduct marketing research, define target audience, create software/ product prototype, initiate a promotional plan, etc.

Projects will be evaluated by industry leaders at the end of phase 3. Successful projects maybe selected to participate in local/international exhibitions.

◆ Schedule

Session	Date		Venue	
1	10 May 2025	2:00p.m. – 5:00p.m.	203	
2	17 May 2025		G01	
3	24 May 2025		G01	
4	7 Jun 2025		303	
5	14 Jun 2025		203	
6	21 Jun 2025		204	
7	28 Jun 2025		105	
8	5 Jul 2025		105	
9	15 Jul 2025 (Tuesday)* (Tentative)		TBC	Start-up Company
10	19 Jul 2025		2:00p.m. – 5:00p.m.	403

◆ Suitable for

- S3 to S6 HKAGE student members in 2024/25 school year
- Class size: 20
- Priority will be given to members who have participated in A4AIG002C

◆ Medium of Instruction

Cantonese with Chinese or English Handouts

◆ Certificate

E-Certificate will be awarded to gifted students who have:

- attended at least 8 sessions; and
- completed all the assignments with satisfactory performance

◆ Screening

- Please answer the screening questions in the online application form.

*The screening questions are designed to help the applicant to understand the course level and the course content. The questions must be answered by the student applicant and they can only be attempted once. The answers cannot be changed once the application is submitted. Selection is based on students' performance in answering the questions. 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.

- Refer the performance in the final assessment (for students who have participated in phase 2 (A4AIG002C))

◆ Pre-requisite

Students should be able to understand programming languages, like Python