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

Learn about Gigi & Yoyo

A4AIG001C

(Token- required)

[Gifted Programme]

Artificial Intelligence Course (Level IV):
AI and Health (Phase 1)
Advanced Python for AI: Mastering the
Language of Artificial Intelligence

Mr. Norman LOK
Software Developer and Consultant, iREd Solutions Limited

Application Deadline
25 Oct 2024 12:00 noon

Result Release
25 Oct 2024

Intended Learning Outcomes

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

1. Analyze and apply fundamental concepts and essential knowledge in artificial intelligence and machine learning within Python-based environments.

2. Develop the ability to leverage various AI frameworks and Python libraries to build software prototypes efficiently.

3. Cultivate a deeper passion and motivation for advanced study and specialization in artificial intelligence.

4. Explore the potential benefits of AI applications for improving human health and well-being.

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

◆ Gifted Programme Introduction

In the rapidly evolving world of Artificial Intelligence, Python has emerged as the lingua franca for AI development. This course is designed to equip students with the high-level Python skills essential for using AI frameworks and exploring pre-trained models to build AI applications, with a special focus on health-related solutions.

Throughout this course, students will deepen their understanding of Python's crucial role in AI and enhance their ability to leverage its power for creating AI application prototypes. By mastering advanced Python techniques, working with popular AI libraries, and applying pre-trained models, students will gain hands-on experience in developing innovative AI solutions that address real-world health challenges.

Phase II: Feb 2025 – May 2025 (Tentative)

Phase III: May 2025 – July 2025 (Tentative)

◆ Schedule

Session	Date	Time	Venue
1	2 Nov 2024	2:00p.m. –5:00p.m.	G01
2	9 Nov 2024		105
3	16 Nov 2024		403
4	23 Nov 2024		105
5	30 Nov 2024		G01
6	7 Dec 2024		105
7	14 Dec 2024		105
8	28 Dec 2024		403
9	4 Jan 2025		403
10	11 Jan 2025		203

◆ **Enquiries** 📞 3940 0101 ✉ programme@hkage.org.hk

◆ Suitable for

- S3 to S6 HKAGE student members in 2024/25 school year

- Class size: 30

◆ Medium of Instruction

Cantonese with Chinese or English Handouts

◆ Pre-requisite

Students should be able to understand programming languages, like Python

◆ Remarks

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

◆ 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.

◆ Certificate

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

- attended at least 8 sessions; and

- completed all the assignments with satisfactory performance

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