



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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A4AIG002C

[\(Token- required\)](#)

[ **Gifted Programme** ]

**Artificial Intelligence Course (Level IV)**

# Creative AI Robotic Arm for Inclusive Tech (Phase II)

Parami Co. Limited



**Application Deadline**  
**24 Mar 2026 12:00 noon**

**Result Release**  
**27 Mar 2026**

## **Intended Learning Outcomes**

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

1. Apply AI techniques to analyze sensor inputs for dynamic robotic arm control;
2. Collaborate to design and refine robotic arm prototypes with improved responsiveness;
3. Assess the performance of their AI models and prototype systems;
4. Critically analyze future trends and challenges in AI-driven assistive technology and propose innovative enhancements.

## ◆ Gifted Programme Introduction

In the dynamic field of assistive robotics, Phase II empowers students to apply AI techniques for analysing sensor data, enabling real-time movement detection and adaptation in robotic arms. Building on Phase I foundations, participants will design algorithms to boost control and responsiveness, using Python and AI frameworks to create practical health solutions.

Students will collaborate in teams to develop prototypes or simulations of AI-powered robotic arms, while evaluating model performance through rigorous testing and iteration. This hands-on approach fosters product development skills, preparing learners for Phase III in June–July 2026 with summer sessions.

## ◆ Schedule

Session	Date	Time	Venue
1	9 Apr 2026	2:00 p.m. – 5:00 p.m.	Room 403, HKAGE
2	11 Apr 2026	9:30 a.m. – 12:30 p.m.	Room 204, HKAGE
3	18 Apr 2026	2:00 p.m. – 5:00 p.m.	Room 403, HKAGE
4	25 Apr 2026	9:30 a.m. – 12:30 p.m.	Room 105, HKAGE
5	2 May 2026	9:30 a.m. – 12:30 p.m.	G01, HKAGE
6	2 May 2026	2:00 p.m. – 5:00 p.m.	Room 403, HKAGE
7	9 May 2026	9:30 a.m. – 12:30 p.m.	G01, HKAGE
8	9 May 2026	2:00p.m. – 5:00p.m.	Room 204, HKAGE
9	16 May 2026	2:00p.m. – 5:00p.m.	Room 403, HKAGE
10	23 May 2026	9:30 a.m. – 12:30 p.m.	Room 204, HKAGE
11	23 May 2026	2:00p.m. – 5:00p.m.	Room 403, HKAGE
12	30 May 2026	9:30 a.m. – 12:30 p.m.	Room 204, HKAGE
13	30 May 2026	2:00p.m. – 5:00p.m.	Room 204, HKAGE

## ◆ Suitable for

- S1 to S6 HKAGE student members in 2025/26 school year
- Class size: 25
- Priority will be given to members who have participated in A4AIG001C

## ◆ Pre-requisite

Students should be able to:

- Fundamental knowledge of coding concepts such as loops, variables, and functions;
- Familiarity with at least one text-based programming language (e.g., Python, Java, C/C++); and

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

## ◆ Medium of Instruction

Cantonese with Chinese or English Handouts

## ◆ Screening

Please answer the screening question in the online application form.

\*The screening question is designed to help the applicant 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 mathematics/probability in the screening question can be enrolled in the programme

## ◆ Certificate

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

- attended at least 10 sessions; and
- completed all the assignments with satisfactory performance