C3COD005C
(Token- required)

[Gifted Programme]

Coding Course (Level III)

Generative Music Programming

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Result Release

6 Aug 2024

Intended Learning Outcomes

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

1. write a generative music program with PureData.
2. apply sound synthesis techniques to compose a music program.
3. create simple generative music machines to process and produce interesting sounds which change with the environments.

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

◆ Gifted Programme Introduction

This course aims to offer intermediate understanding in computer music, sound production and storage, programming syntax, and basic ideas of machine learning and artificial intelligence. Students will have fun with creating simple generative music machines to process and produce interesting sounds which changes with the environments. Basic music background is required.

This programme is under the collaboration with Department of Computer Science and Engineering, The Chinese University of Hong Kong.

◆ Schedule

Session	Date	Time	Venue
1	15 Aug		
2	16 Aug		
3	19 Aug	2:00 p.m. – 5:00 p.m.	Room 123, 1/F, Ho Sin Hang Engineering Building, The Chinese University of Hong Kong (MAP)
4	20 Aug		
5	21 Aug		
6	23 Aug		

◆ Target Participants

- S3 to S6 HKAGE student members in 2022/23 school year
- Class size: 30

◆ Pre-requisite

Students should be able to:

- Understand the meaning and simple calculation of percentage;
- Interpret and construct of simple statistical diagrams

◆ Medium of Instruction

English with English Handouts

◆ Screening

Please answer the screening question in the online application form.

*The screening question is designed to help the applicant understands 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 5 sessions; and
- completed all the assignments with satisfactory performance

◆ Enquiries   ☎ 3940 0101   ✉ programme@hkage.org.hk