Gifted Education Fund: Off-School Advanced Learning Programmes (2024/25)
Application and Technology of Artificial Intelligence and Machine Learning in Town Planning and Smart City
Programme no: 2024-02 (A3STM002C – A3STM007C)

[*** The schedule is for reference only and are subject to the programme provider's version.]

◆ Notice

- If you want to excuse yourself from any sessions for special reasons, you should notify us by submitting the Leave Notification Form and provide relevant documents.

- Please refer to the last page for Location Map. (Map uploaded on 15 April 2025)

◆ Phase 1 (A3STM002C) Session 1 to 3

What is a Smart City?

Session	Date	Time	Venue (The University of Hong Kong)	Contents / Remarks
1	24 May (Sat)	10:00 a.m. – 12:00 noon	KB132, 1/F, Knowles Building	Smart City
2	21 Jun (Sat)	10:00 a.m. – 12:00 noon	CPD-LG.59, LG/F, Jockey Club Tower, Centennial Campus	Smart City Safety
3	28 Jun (Sat)	10:00 a.m. – 12:00 noon	CPD-2.14, 2/F, Run Run Shaw Tower, Centennial Campus	Hong Kong Smart City

Next Page Continued

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◆ Phase 2 (A3STM003C) Session 4 to 9

Input - Process - Output

Session	Date	Time	Venue (The University of Hong Kong)	Contents / Remarks
4	5 Jul (Sat)	10:00 a.m. – 12:00 noon	CPD-G.02, G/F, Cheng Yu Tung Tower, Centennial Campus	Introduction to Smart Device
5	12 Jul (Sat)	10:00 a.m. – 12:00 noon	CPD-G.02, G/F, Cheng Yu Tung Tower, Centennial Campus	Input and Output Device Operation
6	16 Jul (Wed)	10:00 a.m. – 12:00 noon	KKLG106, LG1/F, K.K. Leung Building	IPO Device
7	18 Jul (Fri)	10:00 a.m. – 12:00 noon	KKLG106, LG1/F, K.K. Leung Building	Air Quality Monitoring in Smart City
8	23 Jul (Wed)	10:00 a.m. – 12:00 noon	KKLG106, LG1/F, K.K. Leung Building	Smart Devices and Internet of Things (Part 1)
9	30 Jul (Wed)	10:00 a.m. – 12:00 noon	CPD-LG.59, LG/F, Jockey Club Tower, Centennial Campus	Smart Devices and Internet of Things (Part 2)

Next Page Continued

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◆ Phase 3 (A3STM004C) Session 10 to 15

Applications of Artificial Intelligence

Session	Date	Time	Venue (The University of Hong Kong)	Contents / Remarks
10	1 Aug (Fri)	10:00 a.m. – 12:00 noon	CPD-G.02, G/F, Cheng Yu Tung Tower, Centennial Campus	Introduction to Python
11	6 Aug (Wed)	10:00 a.m. – 12:00 noon	KKKLG106, LG1/F, K.K. Leung Building	Introduction to Google CoLaboratory and Data Analysis
12	13 Aug (Wed)	10:00 a.m. – 12:00 noon	KB132, 1/F, Knowles Building	Introduction to Google CoLaboratory, Speech-to-Text, and Text-to-Speech
13	20 Aug (Wed)	10:00 a.m. – 12:00 noon	KB132, 1/F, Knowles Building	Controlling Microcontroller with Google CoLaboratory
14	27 Aug (Wed)	10:00 a.m. – 12:00 noon	KB132, 1/F, Knowles Building	Introduction to p5.js and Connecting p5.js to Google Teachable Machine
15	6 Sep (Sat)	10:00 a.m. – 12:00 noon	Classroom to be confirmed	IPO Examples with Input Signal from p5.js

Next Page Continued

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◆ Phase 4 (A3STM005C) Session 16 to 20

Create Your Own PCB

Session	Date	Time	Venue (The University of Hong Kong)	Contents / Remarks
16	13 Sep (Sat)	2:00 p.m. – 4:00 p.m.	Classroom to be confirmed	Introduction to PCB Design (Part 1)
17	20 Sep (Sat)	2:00 p.m. – 4:00 p.m.	Classroom to be confirmed	Introduction to PCB Design (Part 2)
18	27 Sep (Sat)	2:00 p.m. – 4:00 p.m.	Classroom to be confirmed	Soldering
19	4 Oct (Sat)	2:00 p.m. – 4:00 p.m.	Classroom to be confirmed	Designing PCB Board
20	11 Oct (Sat)	2:00 p.m. – 4:00 p.m.	Classroom to be confirmed	Soldering Your PCB Design Board

Next Page Continued

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◆ Phase 5 (A3STM006C) Session 21 to 25

Create Your Own Smart City Device

Session	Date	Time	Venue	Contents / Remarks
21 to 25	Mid-Oct to Late-Nov	2 hours per session	HKU e-Learning Development Laboratory, Unit 415a, 4/F, Cyberport 3 (Core F)[*1] (Google Map)	Group Project Consultation Sessions[*2]

*1 – Students could also suggest other venues;

*2 – Students should coordinate with their mentor to agree on 5 meeting dates and times.

◆ Phase 6 (A3STM007C) Session 26 to 27

Sharing Learning Achievements

Session	Date	Time	Venue	Contents / Remarks
26	29 Nov (Sat)	10:00 a.m. – 12:00 noon	Classroom to be confirmed	Presentation Skills and Promotional Video Making
27	13 Dec (Sat)	9:00 a.m. – 1:00 p.m.	Classroom to be confirmed	Public Sharing

Next Page for Location Map

(CPD-2.14)
2/F, Run Run Shaw Tower

(KB132)
1/F, Knowles Building

(KKLG106)
LG1/F, K.K. Leung Building

(CPD-G.02)
G/F, Cheng Yu Tung Tower

(CPD-LG.59)
LG/F, Jockey Club Tower

Online Map of The University of Hong Kong

(KB132), 1/F, Knowles Building	http://www.maps.hku.hk/?type=Locations&id=19&lang=en&name=Knowles%20Building
(KKLG106), LG1/F, K.K. Leung Building	http://www.maps.hku.hk/?type=Locations&id=13&lang=en&name=K.K.%20Leung%20Building
(CPD-2.14), 2/F, Run Run Shaw Tower	http://www.maps.hku.hk/?type=Locations&id=174&lang=en&name=Run%20Run%20Shaw%20Tower
(CPD-G.02), G/F, Cheng Yu Tung Tower	http://www.maps.hku.hk/?type=Locations&id=180&lang=en&name=Cheng%20Yu%20Tung%20Tower
(CPD-LG.59), LG/F, Jockey Club Tower	http://www.maps.hku.hk/?type=Locations&id=173&lang=en&name=The%20Jockey%20Club%20Tower