

Tech Startup for Gifted Students: Hackathon Skillsets,
Internship-Entrepreneurship and Oversea Learning Programmes
(CD00121920/ TECS2761)

Introduction

The course is organised under the Talents, Aspiration and Excellence (TAE) Programme of City University of Hong Kong to nurture gifted secondary school students to prepare for university education:
<http://www.cityu.edu.hk/nurtureralent/index.html>.

The course aims to provide high-quality Artificial Intelligence cum Hackathon education for students through Internship and Entrepreneurship Programmes. Through the course, students will learn about (i) successful tech startups with case studies, analysis of business models and technical skills needed such as minimal programming skills and hackathon mentality, (ii) innovation related to data science and AI, along the line used by NASA Innovation Incubator of training "Citizen Inventor", and (iii) first-hand from real tech startups, e.g., a Hong Kong-based Tech Startup incubated at the HKSTP plus visit Shenzhen tech companies such as Tencent. Students will be offered a project-based learning in internship plus hackathons, e.g., NASA Space Apps Hackathon (Hong Kong plus global) leading to international prestigious competitions.

The course is co-organised by the HKAGE and City University of Hong Kong (CityU).

Programme
Type / Level

Intermediate Course in FinTech ([Token-required](#))

Instructor(s)

Dr TAN Chee Wei

Associate Professor, Dept of Computer Science, City University of Hong Kong

Target
Participants



- S1 – S6 HKAGE student members in 2019-20 academic year only
- Capacity: 25

Medium of
Instruction



English with English Handouts

Certificate



E-Certificate of Attendance will be issued by the HKAGE to participants who have:

- ❖ Attended at least **13 sessions**; **AND**
- ❖ Completed all the assignments with **satisfactory performance**

Intended Learning
Outcomes



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

1. understand tech entrepreneurship and first-hand experience in HKSTP incubated company
2. understand the significance of artificial intelligence, basic computer science and data science knowledge in tech startups
3. understand computer programming skills needed for hackathon and to build real software
4. understand working in teams to win accolades and prizes in international STEM events

Application
Procedure



Students who wish to apply for this programme must take an online screening test. The arrangement of the test will be announced by **6-May-2020** **13 May 2020**.

Application
Deadline

6 13 May 2020
12:00 n.n.

Application
Result Release Date

15 21 May 2020

Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted.

Schedule



Session	Date	Time	Venue#	Remark
Online Screening Test				
1	5 Jun	5:00 p.m. – 6:30 p.m.	Online Teaching	Workshop
2	12 Jun	5:00 p.m. – 6:30 p.m..	Online Teaching	Workshop
3	17 Jul	5:00 p.m. – 6:30 p.m.	Hong Kong Science Park (subject to the development of COVID-19 in HK)	Shadowing
4	24 Jul	5:00 p.m. – 6:30 p.m.	City University of Hong Kong / Online Teaching (subject to the development of COVID-19 in HK) Online Teaching	Workshop
5	7 Aug	5:00 p.m. – 6:30 p.m.	City University of Hong Kong Online Teaching	Workshop
6	14 Aug	5:00 p.m. – 6:30 p.m.	City University of Hong Kong Online Teaching	Workshop
7 Cancelled	21 Aug	5:00 p.m. – 6:30 p.m.	Hong Kong Science Park	Shadowing #1
Make-up session Cancelled	28 Aug	5:00 p.m. – 6:30 p.m.	Hong Kong Science Park	Shadowing #2
8	11 Sep 10 Sep	5:00 p.m. – 6:30 p.m. 6:00 p.m. - 7:30 p.m.	City University of Hong Kong Online Teaching	Workshop
9	25 Sep 24 Sep 2 Oct	5:00 p.m. – 6:30 p.m. 4:30 p.m. – 6:00 p.m.	City University of Hong Kong Online Teaching Teaching on Hackathon and NASA Space Apps Challenges LT1, 4/F, Yeung Kin Man Academic Building, City University of Hong Kong	Workshop and Shadowing
10	9 Oct 8 Oct	5:00 p.m. – 6:30 p.m.	City University of Hong Kong Online Teaching- Zoom meeting	Workshop

11	16 Oct 22 Oct	5:00 p.m. – 6:30 p.m.	City University of Hong Kong Online Teaching- Zoom meeting	Workshop
12	Mid-Oct	9 a.m. – 1:00 p.m.	NASA SpaceApp Hackathon in Hong Kong	Shadowing #3
13	Mid-Oct	2:00 p.m. – 5:00 p.m.	NASA SpaceApp Hackathon in Hong Kong	Shadowing #4
14	6 Nov	5:00 p.m. – 6:30 p.m.	City University of Hong Kong	Workshop
15	Dec (TBC)	9 a.m. – 1:00 p.m.	Hong Kong Science Park	Internship (Selected students)
16	Dec (TBC)	2:00 p.m. – 5:00 p.m.	Hong Kong Science Park	Internship (Selected students)
17	Dec (TBC)	9 a.m. – 1:00 p.m.	Hong Kong Science Park	Internship (Selected students)
18	Dec (TBC)	2:00 p.m. – 5:00 p.m.	Hong Kong Science Park	Internship (Selected students)
19	Dec (TBC)	9 a.m. – 1:00 p.m.	Hong Kong Science Park	Internship (Selected students)
20	Dec (TBC)	2:00 p.m. – 5:00 p.m.	Hong Kong Science Park	Internship (Selected students)
21	Dec (TBC)	9 a.m. – 1:00 p.m.	Hong Kong Science Park	Internship (Selected students)
22	Dec (TBC)	2:00 p.m. – 5:00 p.m.	Hong Kong Science Park	Internship (Selected students)
23	Dec (TBC)	9 a.m. – 1:00 p.m.	Shenzhen	Internship (Selected students)
24	Dec (TBC)	2:00 p.m. – 5:00 p.m.	Shenzhen	Internship (Selected students)

*Tat Chee Avenue, Kowloon, Hong Kong

Online teaching may be in place of classroom teaching whenever the University is being inaccessible, e.g. under health threat or social unrest situations.

Enquiries



For enquiries, please contact us at 3940 0101. After language selection, press “1”