



Internship in Artificial Intelligence Software and Chatbot Development (E4AIG002P)

Introduction	<p>This is a project-based internship programme. Students will work in groups with undergraduate students from an overseas university to develop artificial intelligence (AI) software and chatbot. Project directions include:</p> <ul style="list-style-type: none">• chatbot quizzes creation in STEM subjects,• JavaScript chatbot applications (e.g. two-player games, language tutor),• K-12 STEM subject mobile games,• data analysis/research on chatbot data (targeting for a conference/workshop paper). <p>Students need to attend weekly Zoom meeting (virtual internship sessions) regularly. Other face-to-face or Zoom meeting will also be arranged as necessary. Additionally, students must commit to work on the project at home about 10-20 hours per week (depending on student's ability and the project content). Upon the completion of the internship, students are required to give a presentation and showcase their products.</p>
Programme Type / Level	Artificial Intelligence Project (Level IV)
Instructor(s)	Instructors from Nautilus Software Technologies Limited and senior students from the department of Computer Science of Princeton University
Pre-requisite	<ul style="list-style-type: none">• Good at computer programming, especially JavaScript.• Knowledge in high school level mathematics and logic.• Fluent in English• Knowledge in A.I. programming is an advantage.
Target Participants	<ul style="list-style-type: none">➤ Selected P6 – S6 HKAGE student members in 2020/21 school year with outstanding performance in designated programmes.➤ Capacity: 7
Medium of Instruction	English with English Handouts
Certificate	<p>E-Certificate of Attendance will be issued by the HKAGE to participants who have:</p> <ul style="list-style-type: none">❖ Attended at least 8 sessions of virtual internship and the presentation session; AND❖ Completed all the assignments with satisfactory performance.
Intended Learning Outcomes	<p>Upon completion of the programme, participants should be able to:</p> <ol style="list-style-type: none">1. write computer programme for AI software in the form of a tangible deliverable/product;2. construct an AI software project using specific coding language;3. demonstrate logical thinking and creativity in the form of an AI software project;4. display good collaboration skills through the demonstration of a successful group project in AI software development.

Schedule

Session	Date	Time	Venue	Remark
1	14 Jun	9:30 p.m. – 10:30 p.m.	Zoom Meeting	Virtual internship (1)
2	*17 Jun	*0.5 hour	*Zoom meeting or face-to-face	Tutoring (optional)
3	21 Jun	9:30 p.m. – 10:30 p.m.	Zoom Meeting	Virtual internship (2)
4	*24 Jun	*0.5 hour 1 hour	*Zoom meeting or face-to-face	Tutoring (optional)
5	28 Jun	9:30 p.m. – 10:30 p.m.	Zoom Meeting	Virtual internship (3)
6	*29 Jun	*0.5 hour	*Zoom meeting or face-to-face	Tutoring (optional)
7	30 Jun	2 hours	Zoom meeting or face-to-face	Monthly tutorial
8	5 Jul	9:30 p.m. – 10:30 p.m.	Zoom Meeting	Virtual internship (4)
9	*8 Jul	*0.5 hour	*Zoom meeting or face-to-face	Tutoring (optional)
10	12 Jul	9:30 p.m. – 10:30 p.m.	Zoom Meeting	Virtual internship (5)
11	*15 Jul	*0.5 hour	*Zoom meeting or face-to-face	Tutoring (optional)
12	19 Jul	9:30 p.m. – 10:30 p.m.	Zoom Meeting	Virtual internship (6)
13	*22 Jul	*0.5 hour	*Zoom meeting or face-to-face	Tutoring (optional)
14	26 Jul	9:30 p.m. – 10:30 p.m.	Zoom Meeting	Virtual internship (7)
15	*29 Jul	*0.5 hour	*Zoom meeting or face-to-face	Tutoring (optional)
16	30 Jul	2 hours	Zoom meeting or face-to-face	Monthly tutorial
17	2 Aug	9:30 p.m. – 10:30 p.m.	Zoom Meeting	Virtual internship (8)
18	*5 Aug	*0.5 hour	*Zoom meeting or face-to-face	Tutoring (optional)
19	9 Aug	9:30 p.m. – 10:30 p.m.	Zoom Meeting	Virtual internship (9)
20	*12 Aug	*0.5 hour	*Zoom meeting or face-to-face	Tutoring (optional)
21	16 Aug	9:30 p.m. – 10:30 p.m.	Zoom Meeting	Virtual internship (10)
22	*19 Aug	*0.5 hour	*Zoom meeting or face-to-face	Tutoring (optional)
23	23 Aug	9:30 p.m. – 10:30 p.m.	Zoom Meeting	Virtual internship (11)
24	*26 Aug	*0.5 hour	*Zoom meeting or face-to-face	Tutoring (optional)
25	30-Aug 31 Aug	2 hours	Zoom meeting or face-to-face	Monthly tutorial - Presentation

* Instructors will arrange a time to meet with the students individually on Zoom or face to face at Lionrock 72, 1/F, Inno Centre, 72 Tat Chee Avenue, Kowloon Tong, Hong Kong (on need basis)

Enquiries

For enquiries, please contact Academic Programme Development Division on 3940 0101 after language selection, press “1”.