

Gifted Education Fund: Off-school Advanced Learning Programmes

Programme No. 2019-002 (For secondary schools)

Title of Programme	Human-robot Interaction Design (機械人的界面設計)
Programme Provider	Department of Computing and Decision Sciences, Lingnan University
Theme	STEM-related Mentorship Programme
Maximum No. of Participants and Class Level in the 2019/20 school year	3 students (Secondary 4 or Secondary 5)
Pre-requisite	No special background knowledge and skills is required
Programme Duration	About 15 months
Medium of Instruction	Course Material: English Class teaching/Discussion: English/Cantonese subject to individual students
Objectives	<ul style="list-style-type: none"> ● To develop the app development skills of gifted students; and ● To motivate and encourage gifted students to identify opportunities for social innovation through the use of intelligent robots and to implement their ideas through development of human-robot interface.
Programme Outline*	<p>This is a one-to-one mentorship programme of using artificial intelligence. An intelligent robot will be used to nurture students' creativity in developing apps to solve real life problems. The mentor will meet the student participants at least 2 times every month in the following three phases:</p> <ul style="list-style-type: none"> ● Phase 1: Acquisition of basic knowledge and skills (8 topics in 16 meetings [a total of 16 hours in about 4 months]) ● Phase 2: App design, implementation and testing (regular meetings in 8 months) ● Phase 3: Demonstrating the social innovation through student presentation (10 meetings in about 3 months) <p>* In view of the novel coronavirus epidemic, some sessions of the programme may be conducted online.</p>
Admission Fee	Free of charge
Application method	Please download and complete the application form attached herewith, and send by post <u>on or before 15 May 2020</u> to the following address: Room 212/8, Simon and Eleanor Kwok Building Lingnan University 8 Castle Peak Road, Tuen Mun (Attn: Dr Wendy Hui)
Enquiry	Dr Wendy Hui (Department of Computing and Decision Sciences, Lingnan University)

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Date of Announcement of Result	By early June 2020 (tentative)

