



Mini Robocon 2020 Phase I Training (TECS2371)

Introduction	<p>Building and programming robots for mini-Robocon by using Makeblock Ultimate 2, covering robot-base construction, mechanical design choices, ball launcher design, wireless remote controller design and basics of automation Students are also required to read rulebook and understand the mission requirements. Students will be able to have hands-on experience on designing, building robots through design iterations and programming the robots to communicate with a wireless controller.</p>
Programme Type / Level	<p>Intermediate Workshop in Computer Controlled Robots (Token-required)</p>
Instructor(s)	<p>Mr Johnny Wan (Binary Creation Limited)</p>
Pre-requisite	<p>No special prerequisites are needed</p>
Target Participants	<p> <ul style="list-style-type: none"> ➤ S1 to S3 HKAGE student members ➤ Class size: 30 </p>
Medium of Instruction	<p> Cantonese with English handouts</p>
Certificate	<p> E-Certificate will be awarded to participants who have:</p> <ul style="list-style-type: none"> ❖ Attended ALL sessions; 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. Design and make their robot products for joining the mini robocon competition; 2. Write programmes to instruct the robots to communicate with a wireless controller; 3. Modify their robots to attend the mini robocon competition 2020; 4. Develop their collaboration skills and communication skills via conducting the group design projects.
Screening	<p> 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 basic knowledge of robot in the screening question can be enrolled in the programme.</p>
Application Deadline	<p>1st batch: 24 Dec 2019, 12:00 n.n. 2nd batch: 30 Dec 2019, 12:00 n.n.</p> <p style="text-align: center;">Application Result Release Date</p> <p>1st batch: 27 Dec 2019 2nd batch: 31 Dec 2019</p>
<p>Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted.</p>	

Schedule



Session	Date	Time	Venue
1	4 Jan 2020	9:00 a.m. – 12:00 n.n.	Robotics Catalysing Centre, G/F, Building 19W
2		1:00 p.m. – 4:00 p.m.	19 Science Park West Avenue, Hong Kong Science Park#

#Map: <https://goo.gl/maps/2pPQ2k7NhuGnheKs9>

Enquiries



For enquiries, please contact us at 3940 0101 after language selection, press "1".

SCIENCES

科學