



# Mini Robocon 2020

## Phase II Training (TECS2372)

**Introduction** 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.


**Programme Type / Level** Intermediate Course in Computer Controlled Robots ([Token-required](#))


**Instructor(s)** Mr Johnny Wan  
(Binary Creation Limited)

**Pre-requisite** Students who have awarded Certificate of Merit in the Mini Robocon 2020 Phase I Training (TECS2371)

**Target Participants**    
 ➤ S1 to S3 HKAGE student members  
 ➤ Class size: 12

**Medium of Instruction**  Cantonese with English handouts


**Certificate**  **E-Certificate** will be awarded to participants who have:  
 ❖ Attended **at least 5 sessions**; **AND**  
 ❖ Completed all the assignments with **satisfactory performance**

**Intended Learning Outcomes**  Upon completion of the programme, participants should be able to:  
 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.

**Schedule** 

Session	Date	Time	Venue
1	14 Mar	9:00 a.m. – 12:00 n.n.	Meeting Room 04, 1/F, Core Building One, Hong Kong Science Park#
2	7 Aug	1:00 p.m. – 4:00 p.m.	
	31 Oct		
3	8 Apr	9:00 a.m. – 12:00 n.n.	
4	14 Aug	1:00 p.m. – 4:00 p.m.	
	14 Nov		
5	2 May	9:00 a.m. – 12:00 n.n.	
6	21 Aug	1:00 p.m. – 4:00 p.m.	
	28 Nov		

#Map: <https://goo.gl/Hn4392>

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