



# Mini Robocon 2019 Phase

## III Training (TECS2373)

### 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 Workshop in Computer Controlled Robots ([Token-required](#))

### Instructor(s)

Johnny Wan of BINARY CREATION LIMITED (CODING101)

### Pre-requisite

Students who have awarded Certificate of Merit in the Mini Robocon 2019 Phase II Training (TECS2372)

### Target Participants



- S1 – S3 HKAGE student members
- Class size: 9

### Medium of Instruction



Cantonese with English handouts

### Certificate



**E-Certificate** will be awarded to participants who have:

- ❖ Attended **3 out of 4 lessons**; **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. Develop their collaboration skills via conducting the group design projects.

### Schedule



Session	Date	Time	Venue
1	6 Jul	9:00 a.m. – 12:00 noon	Robotics Garge, Unit S043, W10 (Lakeside 2), Hong Kong Science Park
2	7 Jul	10:00 a.m. – 12:00 noon 2:00 p.m. – 4 p.m.	
3	18 Jul	9:00 a.m. – 12:00 noon	
4	21 Jul	10:00 a.m. – 12:00 noon 3:00 p.m. – 5 p.m.	Olympian City (to be confirmed)

### Enquiries



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