



Mini Robocon 2019

Phase I Training (TECS2371)

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)

Johnny Wan of BINARY CREATION LIMITED (CODING101)

Pre-requisite

No special prerequisites are needed

Target Participants



- S1 – S3 HKAGE student members
- Class size: 30

Medium of Instruction



Cantonese with English handouts

Certificate



E-Certificate will be awarded to participants who have:

- ❖ Attended **ALL 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. Develop their collaboration skills via conducting the group design projects.

Screening



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 Computer Controlled Robots in the screening question can be enrolled in the programme.

Application Deadline

12 Nov 2018
19 Nov 2018

Application Result Release Date

23 Nov 2018
30 Nov 2018

Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted.

Schedule



Session	Date	Time	Venue
1	27 Dec	9:00 a.m. – 12:00 noon	Venue to be confirmed
2		1:00 p.m. – 4:00 p.m.	

Enquiries



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

SCIENCES

科學