

FOR IMMEDIATE RELEASE

“Modular Integrated Construction” (MiC) Robotics Competition Unleashes Students’ Potential in STEM

Hong Kong • 12 May 2018 – The STEM Alliance (Alliance) formed by The Hong Kong Institute of Construction (HKIC) and 68 secondary school members today held the “Modular Integrated Construction” (MiC) Robotics Competition at Yan Chai Hospital Law Chan Chor Si College. The competition, which aims at enriching students’ capabilities and application abilities in Engineering, Science and Innovation, attracted more than 200 students and teachers from 44 Alliance school members and local secondary schools.

The competition consists of junior secondary group and senior secondary group. During the competition, 70 participating teams should use their pre-assembled Robotic Arm robots to build a specified building by using the prefabricated components within 10 minutes. The awards include “Fastest Completion Award”, “Speedy Completion Award” and “On Time Completion Award” in accordance with the completion time; “Best Robotic Appearance Award” and “Best Building Appearance Award” based on the looks of the buildings and robots; and “Group Award” for junior secondary and senior secondary Groups, as well as the “Overall Champion” to recognise the team spirit of the participants.

With the aim of supporting the Education Bureau in taking forward the STEM education, HKIC formed the STEM Alliance (Alliance) in March 2018 to promote STEM education and help the next generation of construction talent better equip themselves to ensure the long term competitiveness of Hong Kong.

About the Modular Integrated Construction (MiC)

The construction industry of Hong Kong is facing with various challenges, including shortage of manpower and a surge in tender prices. It is thus important and necessary to enhance the competitiveness and productivity of the construction industry.

The HKSAR Government will collaborate with the construction industry to promote “Modular Integrated Construction (MiC)”. By adopting the concept of “factory assembly followed by on-site installation”, independent prefabricated modules (including decoration works, fitting out and basic building services works) will be completed in factories and then transported to construction sites for installation. MiC can raise productivity, shorten construction time, enhance construction safety and improve quality of the works.

About the Hong Kong Institute of Construction

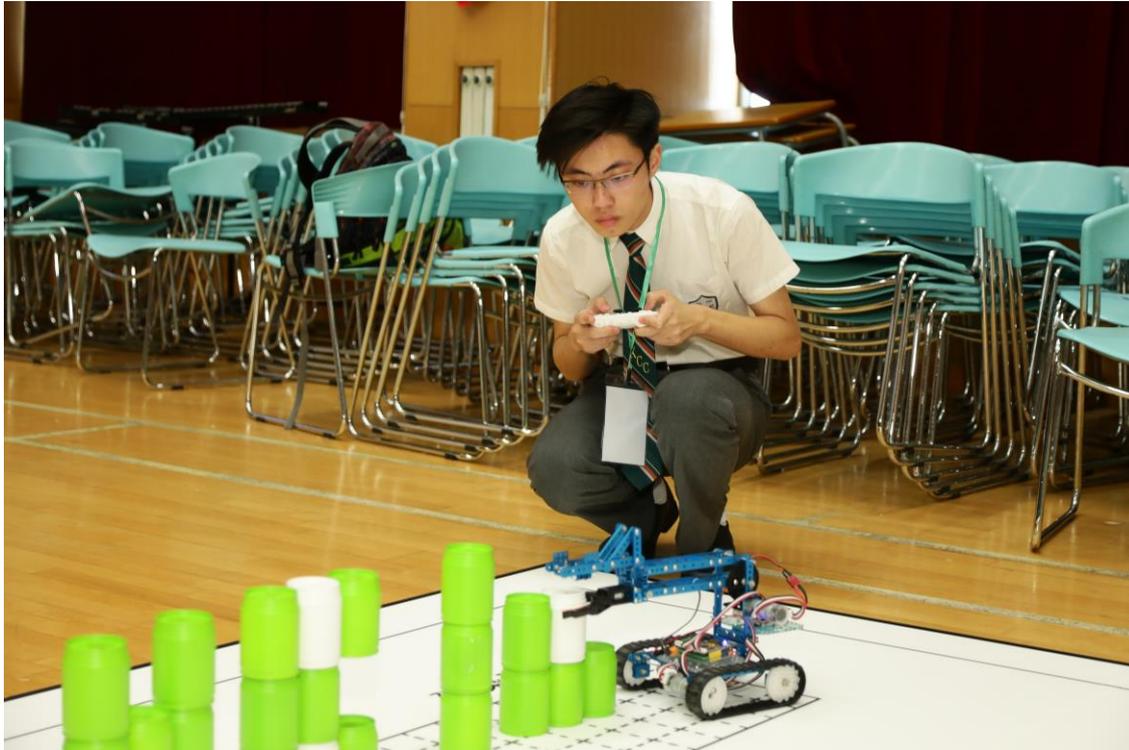
To tie in with the changes and progress of the construction industry in Hong Kong, the Hong Kong Institute of Construction (HKIC) was established in 2018 and the opening ceremony will be held on 3 September 2018. HKIC is an organisation member of the Construction Industry Council and provides a series of construction training courses (including full-time and part-time) to the young people intending to work in the construction industry, as well as experienced construction practitioners pursuing further studies, with a view to training up a group of “knowledgeable” practitioners.

About the Construction Industry Council

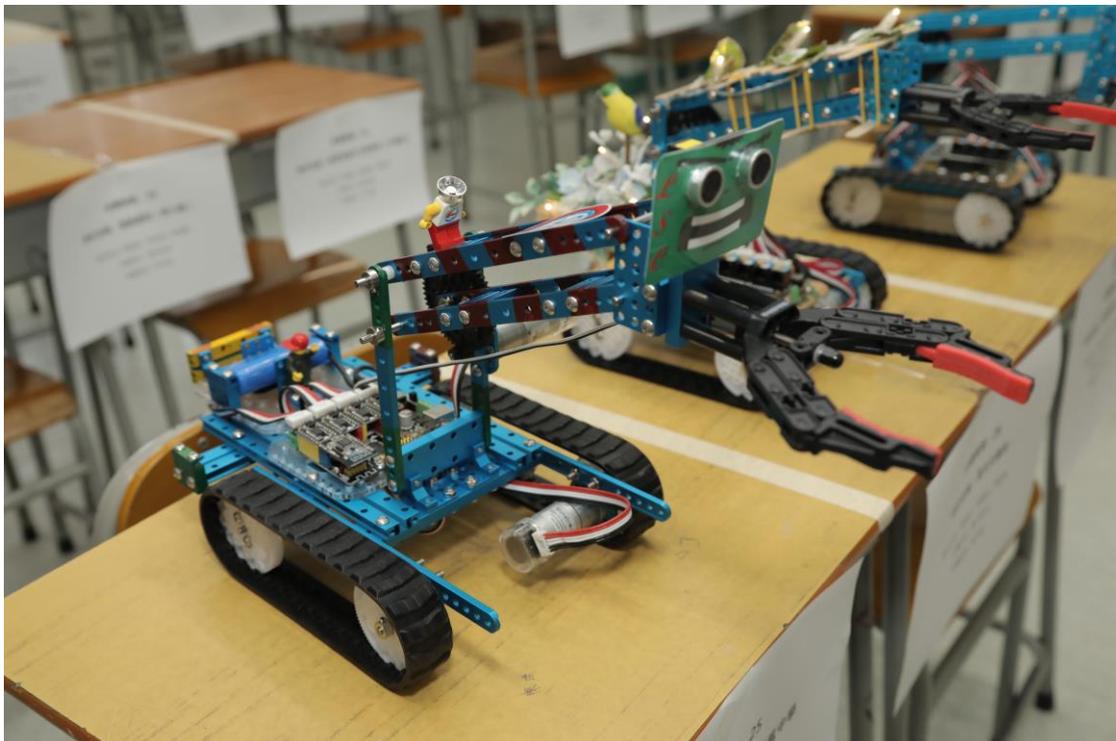
The Construction Industry Council (CIC) was formed in 2007 under the Construction Industry Council Ordinance (Cap. 587). The CIC consists of a chairman and 24 members representing various sectors of the industry including employers, professionals, academics, contractors, workers, independent persons and Government officials.

The main functions of the CIC are to forge consensus on long-term strategic issues, convey the industry's needs and aspirations to the Government, provide professional training and registration services, and serve as a communication channel between the Government and the construction industry.

Please visit www.cic.hk for further details.



Participants focus on building “HKIC” building by using the prefabricated components



The robots of the participating teams



From left: The Overall first runner-up (Rhenish Church Pang Hok Ko Memorial College), the Overall Champion (Kiangsu-Chekiang College (Kwai Chung)) and the Overall second runner-up (CMA Choi Cheung Kok Secondary School) of the competition

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