

Fact Sheet

(28 JULY, 2017)

CODE::XTREMEAPPS:: HACKATHON

1. Code::XtremeApps:: is a hackathon organised by the Infocomm Media Development Authority (IMDA) and the IT Standards Committee (ITSC) with the support of various organisations and sponsors. The 2017 edition was held from 14 to 15th July, 2017, with the prize-giving ceremony on the 28th of July, 2017.
2. The CXA hackathon aims to tackle different themes each time. This year it looks to challenge minds and inspire innovative solutions for current issues that affect us, with the theme being “My Smart City: Connecting Our Senses”. The focus is on sharing of Internet of Things (IoT) sensors and data, to promote a heightened level of awareness in the world we live in.
3. This challenge brought together 23 organizations to discover new and innovative solutions to address existing challenges, and that will give them competitive advantage in the businesses and services that they are operating on.
4. CXA has three tracks for its hackathon – a three-hour Junior Category, as well as a 24-hour School and Open Category.

Junior Category

Date: 15 July (3-hour competition)

5. The Junior Category is open to students of Primary School (age 12 and below) is in line with the Digital Maker Programme to nurture a new generation of digital natives to be creators and makers. It features a three-hour competition using the micro:bit to create solutions to solve a challenge. The micro:bit is a pocket-sized, codeable microcontroller with various features like motion detection and Bluetooth technology. Participants will use micro:bits to experiment, explore and learn in a fun and educational way. They will learn basic coding and making to solve daily problems. In

addition, every participant will get to bring home a micro:bit at the end of the competition.

School and Open Category

Date: July 14 to July 15 (24-hour, overnight hackathon)

6. Participants of the School and Open categories are required to develop solutions within 24 hours. The School Category is open to students ranging from secondary up to pre-university or equivalent. The Open Category is open to enthusiasts of all ages.
7. Unique to this year's hackathon, the challenge statements were released a full 6 weeks before the 24-hour competition. Pre-event activities included training sessions, challenge statement briefings and even special arrangements such as site visits. Teams will be encouraged to build solutions using technologies such as a standards-based platform to share data. Each team will be required to complete at least one challenge statement.

Background of Code::XtremeApps:: Competition

8. Code::XtremeApps:: (CXA) is aimed at creating greater awareness of and inspiring the use and value of programming and standards, as well as fostering collaboration with and within the programming community. The annual event was launched in 2007 with about 60 participating teams and has grown consistently over the years. In 2015, CXA partnered with other IMDA-led hackathons for a special SG50 jubilee Hackathon@SG which in total drew over 1,100 attendees.
9. The hackathon offers a month of various training classes to help ensure participants understand how to use the technology before the competition. These classes range from programming and coding to hands-on experiences with emerging technologies such as the cloud, open data, robotics or the Internet of Things. It enables budding and current developers the perfect opportunity to share and learn more, as well as

develop the seeds of innovative solutions. Classes are catered for different levels and include child-friendly classes based on the technologies utilized during the competition.

About Infocomm Media Development Authority (IMDA)

The Infocomm Media Development Authority (IMDA) will develop a vibrant, world-class infocomm media sector that drives the economy, connects people, bonds communities and powers Singapore's Smart Nation vision. IMDA does this by developing talent, strengthening business capabilities, and enhancing Singapore's ICT and media infrastructure. IMDA also regulates the telecommunications and media sectors to safeguard consumer interests while fostering a pro-business environment. IMDA also enhances Singapore's data protection regime through the Personal Data Protection Commission. For more news and information, visit www.imda.gov.sg or follow IMDA on Facebook [IMDAsg](#) and Twitter [@IMDAsg](#).

About ITSC

The Information Technology Standards Committee (ITSC) was formed in 1990, under the purview of the Standards Council appointed by SPRING Singapore. It is an industry-led effort comprising volunteer members from the industry, supported by IDA Singapore and SPRING Singapore. It is a neutral platform for interested stakeholders from the industry, academia and the government to get together and look into the local needs for IT standards and establish local standards, promote the awareness and adoption of IT standards, and represent Singapore in international standards platforms. More information can be obtained from <http://www.itsc.org.sg>.

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