

Factsheet

code::XtremeApps:: Hackathon

code::XtremeApps:: (CXA) is a hackathon organised by the Infocomm Development Authority of Singapore (IDA) and the IT Standards Committee (ITSC).

Aimed at creating greater awareness on the use and value of standards in programming, while also promoting computer education and cultivating programming talent and interest in Singapore, the event was launched in 2007 with about 60 participating teams. Over the years the number of participating teams have grown to more than 100 teams for both the xx and xx categories.

Themes for the hackathon have ranged from Silver Generation to Transportation to Green IT. In keeping with this trend, 2014's theme was *"Smart Living – Using Data to Enrich Communities"*.

Through these sessions developers are encouraged to tap on emerging technologies and open data to develop innovative solutions and bring forward bright ideas that are relevant to Singaporeans and have the potential to positively impact communities.

Training sessions are held in the leadup to the hackathon to familiarise contestants with the technologies on offer every year. For example, 2014's technologies – Chibitronics for the Junior Category and Arduino Uno and Raspberry Pi for the Open Category – had several workshops to ensure participants understood how to use the technology before the day of the event.

Junior Category

Junior Category: open to children aged 12 and below and part of the National Infocomm Competition. It features a 3 hour competition followed by a judging session.

Open Category

Open Category: open to enthusiasts of all ages. It features the 24-hour hackathon where participants are required to develop solutions within 24 hours. There is also a special prize for the best Secondary School / Junior College team.

Teams are required to build solutions using the listed technologies and are also strongly encouraged to use Government data such as data.gov.sg and onemap.sg as their source of data for the Hackathon. Each team will receive a set of challenges based on the theme at the start of the 24-hour competition, from which they will be required to complete at least one challenge.

This year, due to overwhelming demand, and to celebrate SG50, CXA has been combined with Data in the City Hackathon to form Hackathon@SG. What's more, this year's event sees at least a two-fold increase in the number of participants as we strive to bring the community together. More technologies were also added this year to give participants a great breadth of tech – including Virtual Reality, Cloud, Internet of Things wearables and more!

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