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The Infocomm Development Authority of Singapore (IDA) and Information Technology Standards Committee (ITSC) have announced the winners of the code::XtremeApps:: Hackathon. This year's hackathon saw a record turnout with over 250 participants making up 101 teams across its Open and Junior categories. The 24-hour hackathon—now in its eighth year—is one of IDA's and ITSC's initiatives geared to create greater hands-on awareness in technology and encourage the development of computational thinking in young tech talents.

"Smart Living – Using Data to Enrich Communities" was the chosen theme for the Open Category and used open-source hardware such as Raspberry Pi and Arduino Uno. It saw 62 teams with 160 participants.

94 Junior Category participants in 39 teams—comprising children 12 years and below—were given three hours to build and share their favourite story about Singapore using Chibitronics, a set of programmable electronic circuit stickers. They used historical data about Singapore such as places of interest, population statistics and country maps, provided by data.gov.sg to craft their submissions.

This year also saw the introduction and use of open data to the Hackathon. Participants were encouraged to use government datasets available from data.gov.sg, OneMap.sg or government agencies to develop services that collected data and its subsequent analysis. There was an additional cash prize of SGD 1,000 and SGD 500 for the Open and Junior Categories respectively, for the most innovative use of Government Data.

This year's Grand Prize of SGD 9,000 went to team Tria Artifex, formed by Wong Wai Tuck and Kong Yu Jian, both aged 20 and currently serving their full-time national service, and Clarence Ngoh Peng Yu, 21, a freshman from Singapore Management University (SMU). The team created BlackBox, a car crash detection system designed to save precious minutes in emergency response time in the event of an accident. The BlackBox immediately signals for emergency responders upon detecting a genuine crash and activates a live camera feed to assess the condition of the driver.

The device also sends data and alerts the nearest hospital with the driver's pre-registered vital medical details such as blood type, allergies and medical history to ensure a hospital is ready for a patient even before they are rushed through its emergency doors. For incorporating road and traffic data from the Land Transport Authority, Tria Artifex was also awarded the data.gov.sg prize.