

List of National Infocomm Competition Challenges 2012

No.	Challenge	Circuit	Organiser	Winner	Date
1	NetRiders	Tertiary	Nanyang Polytechnic (in conjunction with Cisco)	Nanyang Polytechnic	September 2012
2	Singapore Games Creation Competition	Sec/JC	Nanyang Polytechnic	Tanjong Katong Secondary School	September 2012
3	Autodesk Panorama	Tertiary	Autodesk	Singapore Polytechnic National University of Singapore	October 2012
4	National Software Competition 2012 – Apps4Youth	Sec/JC	Singapore Polytechnic	Anglo Chinese School (Independent)	October 2012
5	National Olympiad in Informatics (NOI)	Sec/JC	National University of Singapore	NUS High School of Math and Science Hwa Chong Institution	March 2013
6	Plugfest.IHL	Tertiary	IEEE Singapore and Google Developer Group	Nanyang Polytechnic	April 2013
7	Microsoft Imagine Cup	Tertiary	Microsoft	Nanyang Polytechnic	April 2013

8	SMU Business-IT Case Challenges (InnovateIT)	JC Tertiary	Singapore Management University	Nanyang Polytechnic	May 2013
9	SMU Business-IT Case Challenges (APEX)	Tertiary	Singapore Management University	No local winner	May 2013

Examples of Winning Entries in the National Infocomm Competition 2012

1) “Kinect Infantry Training System” by Nanyang Polytechnic (Winner of Microsoft Imagine Cup)

The Kinect Infantry Training System (KITS) aims to help soldiers habituate and perfect their shooting posture, leading to higher accuracy attained during live firing, as well as to shorten the training time required to get a soldier ready for his or her first live range.

The Kinect-based tracking system runs on the Windows 8 platform and makes use of advanced macro programming in Office 2013 to generate visual analytics, which will serve as a platform for commanders and soldiers to better understand their individual progress. Apart from the military environment, KITS can also be deployed to commercial shooting ranges, schools and sports clubs.

The project won 1st place in the Imagine Cup Singapore finals organised by Microsoft. The winning team will be representing Singapore in the Imagine Cup World Wide Finals in Russia in July 2013.

2) “PP-Coupon” by Nanyang Polytechnic (Winner of Plugfest.IHL)

PP-Coupon (Paperless Parking Coupon) aims to revolutionise the current paper-based coupon parking with an eco-friendly, efficient and convenient NFC-based parking system. Drivers will no longer run out of parking coupon and instead, all they need to do is tap on their NFC-coupon before parking their vehicles.

Drivers can also conveniently extend their parking duration anywhere without having to go back to their vehicle to place a new coupon. Data analytics can also provide information to local crowded and available car parks.

The project won 2nd place in the Plugfest.IHL competition organised by IEEE Singapore and the Google Developer Group Singapore.