

**November 2012**

**FACT SHEET**  
***National Infocomm Competition***

The National Infocomm Competition (NIC) is a year-long infocomm competition held annually that allows students to hone their skills and showcase their talent in infocomm. The NIC is an initiative under Strategy 3 of the Infocomm Manpower Development Roadmap (“MDEV 2.0”) to “Generate Curiosity, Interest and Passion for Infocomm”. The NIC aims to:

- Inculcate interest and raise exposure about infocomm among students; and
  - Create a common branding to boost the prestige of infocomm competitions.
- 

**Highlights of key achievements**

- Participation of more than 13,000 students since 2006, exceeding the original target of 7,500 participants by 73%
  - Exposure of students to infocomm skills in the various infocomm domains such as programming, mobile application development, networking/network security, games design and creation.
  - Beginning 2012, IDA will support student representatives competing in overseas competitions.
  - Beginning 2012, NIC will support a primary school category and include university students into the IHL category to allow for greater participation from schools and to develop a pipeline of young talent.
- 

**Programme Description**

Into its 7<sup>th</sup> year in 2012, students from primary, secondary schools, junior colleges, Polytechnics, ITE and universities will compete in the challenges. The 3 NIC categories include (i) Primary, (ii) Secondary/JC and (iii) ITE/Poly/Uni. There will be no overall winner for each category. Equal recognition will be given to schools who win championships in the NIC competitions that they participate in at the yearly awards ceremony.

The list of challenges can be found at: [infocommtalent.sg/nic](http://infocommtalent.sg/nic)

For more information, please visit [infocommtalent.sg/nic](http://infocommtalent.sg/nic) and [www.ida.gov.sg](http://www.ida.gov.sg).

---

## **FOR MORE INFORMATION**

### **IDA Communication Contact**

Mr Grace CHIANG, Manager, +65 6211 3863, [Grace\\_Chiang@ida.gov.sg](mailto:Grace_Chiang@ida.gov.sg)

**Winners of the National Infocomm Competition 2011**

In addition to infocomm-related prizes, cash and a trophy, the winners of each circuit will be provided a one-week knowledge acquisition trip to Silicon Valley, USA.

**Secondary School Circuit**

- 1<sup>st</sup> - Hwa Chong Institution
- 2<sup>nd</sup> - Nan Hua High School
- 3<sup>rd</sup> - Tanjong Katong Secondary School
- 4<sup>th</sup> - Crescent Girls' School
- 5<sup>th</sup> - Raffles Institution

**JC Circuit**

- 1<sup>st</sup> - Raffles Institution
- 2<sup>nd</sup> - Hwa Chong Institution
- 3<sup>rd</sup> - National Junior College  
Victoria Junior College

**Poly/ITE Circuit**

- 1<sup>st</sup> - Nanyang Polytechnic - School of Information Technology
- 2<sup>nd</sup> - Temasek Polytechnic - School of Informatics & IT
- 3<sup>rd</sup> - ITE College Central – School of Electronics and Info-Comm  
Technology

Infocomm-related prizes are sponsored by Adobe, M1 and Sapura.

### **Examples of Winning Entries in the National Infocomm Competition 2011**

#### **[i.code] 2011**

##### **“Noted” by Homework from Hwa Chong Institution**

The winning team Homework from Hwa Chong Institution, had created an application called Noted, which is a general messaging board for teachers and students to communicate and post notices, reminders and polls. The application is also a platform for students to check their results and for teachers to monitor their students' progress. The team has plans to further enhance their application, and they look forward to deploying their application in the near future.

#### **Imagine Cup 2011**

##### **“The Elder Rehabilitation Support System” by Team Elderguardian from Temasek Polytechnic**

For the Imagine Cup Singapore 2011 Competition, teams were assigned to develop software solution set to the theme of “Imagine a world where technology helps solve the toughest problems” The challenge uses the United Nations Millennium goals as guidance to inspire students.

The winning team for the competition was Team Elderguardian from Temasek Polytechnic, comprising of students Satrugan Kumar Singh, Ho Chee Boon, Wong Kin Seng and Kim Arvin Galutera Evangelista.

The winning entry, The Elder Rehabilitation Support System (ERSS) is an application that seeks to complement the current methods of stroke rehabilitation using the Kinect. By integrating the ERSS into the recovery process, the team had designed games to aid stroke rehabilitation in the hopes of alleviating the high cost of treatment for stroke sufferers.

One key feature of the ERSS is that the exercises have been specifically designed for the rehabilitation and recovery for stroke patients. Secondly, patients would also be able to install the programme in their home so that rehabilitation can take place among family members too.

After winning the Imagine Cup 2011, Team Elderguardian went on to New York, USA to compete in the finals.

## List of National Infocomm Competition Challenges 2011

Challenge	Circuit	Organiser	Date
14 <sup>th</sup> National Olympiad in Informatics	Sec, JC	National University of Singapore	12 Mar 11
Innovate IT'11	JC, Poly/ITE	Singapore Management University	23 Apr 11
Imagine Cup 2011: Software Design	Poly/ITE	Nanyang Technological University	10 May 11
Network and Security Investigation	Sec	Republic Polytechnic	22 Jun 11
[i.code]	Sec	Nanyang Polytechnic	24 Jun 11
X-Site	Sec, JC, Poly/ITE	Singapore Science Centre	30 Jul 11
code::XtremeApps:: 2011	Poly/ITE	Information Technology Standards Committee	1 Aug 11
Mobile Animation Challenge	Sec	Institute of Technical Education	26 Aug 11
Splash Awards 2011	Sec, JC, Poly/ITE	Singapore Computer Society	29 Aug 11
27 <sup>th</sup> National Software Competition	Sec	Singapore Polytechnic	3 Sep 11
Singapore Games Creation Competition	Sec	Nanyang Polytechnic	9 Sep 11
Digital Media & Entertainment Challenge	Sec	Temasek Polytechnic	21 Sep 11
Netriders 2011	Poly/ITE	Institute of Technical Education	22 Sept 11
National StrITwise® Challenge 2011	Sec	Ngee Ann Polytechnic	12 Nov 11
Schools Digital Media Awards	Sec, JC	Ministry of Education	18 Nov 11

## List of National Infocomm Competition Challenges 2012

<b>Challenge</b>	<b>Circuit</b>	<b>Organiser</b>	<b>Date</b>
National Software Competition 2012 – Apps4Youth	Sec/JC	Singapore Polytechnic	July to September 2012
NetRiders Singapore	Tertiary	Nanyang Polytechnic	20 September 2012
Singapore Games Creation Competition	Sec/JC	Nanyang Polytechnic	19 October 2012
Autodesk Panorama	Tertiary	Autodesk	8 November 2012
Microsoft Imagine Cup	Tertiary	Microsoft	November 2012 to February 2013
ICON – Plugfest 2012 (Mobile Cloud Computing)	Tertiary	IEEE Computer Chapter Google	February to March 2013
National Olympiad in Informatics (NOI)	Sec/JC	National University of Singapore	March 2013
Business Analytics Challenge	Sec/JC	Temasek Polytechnic	March to April 2013
<u>SMU Business-IT Case Challenges</u>	Sec/JC Tertiary	Singapore Management University	April to May 2013