National Software Competition
Fact Sheet

The National Software Competition is proud to be part of the National Infocomm Competition (NIC).

Synopsis of the competition/challenge
There are three competitive events under the 23rd National Software Competition – IT Quiz, Algorithm Design and Internet Lego Challenge.

IT Quiz – Secondary School Students
This is an exciting team event based on questions from the area of infocomm technology. The quizzes will be conducted in a "knock-out" fashion for the preliminary round. A final round will be held in front of an audience for viewing, support and participation. The whole quiz competition lasts two hours.

Algorithm Design – Secondary School & Junior College Students
This is a team event base on Algorithm Design for categories of secondary schools and junior colleges respectively. There will be four design problems in each category and the emphasis will be placed on novelty, speed and completeness of the solutions provided. Two hours are allocated for the whole contest.

Internet Lego Game Competition– Secondary School Students
This event was first introduced for this first time in last year's NSC. This is also a team event for secondary schools. Based on the questions posed, students from remote locations will develop the necessary program and download it to the Lego robots, located in Singapore Polytechnic, using the internet. From their remote locations students are required to control the Lego robots accordingly. Teams will be assessed based on their creativity, speed and accuracy of solutions developed. Results may be viewed from web cameras.

Target Audience
The competition is targeted at secondary schools students (IT Quiz, Algorithm and Internet Lego Challenge) and JC students (Algorithm).

Scoring systems

IT Quiz

<u>Preliminary Round</u>
Each Team will sit for an on-line quiz in Blackboard and the scores of the 3 contestants will be the Team's score.

<u>Final Round</u>

The top six teams from Preliminary Round will take part in a final round. The final round will be a "live" contest on stage. There will be a multiple types of questions covering different areas in Infocomm for the finalists, and they answer as a team.

Internet Lego Challenge

Preliminary Round

Each Team will participate in a preliminary competition two weeks before the Final Round on 15 September, and 6 teams will be selected for the final round.

Final Round

Scores will be awards based on the teams' creativity, speed and accuracy of solutions developed.

Algorithm Team Event

A team's score will be the sum of points awarded for the work on the four problems. Scores will be awarded based novelty, speed and completeness of the solutions provided.

Prizes

More than $20,000 worth of prizes and trophies are to be won.

Rules and regulations

Please refer to http://nsc.sp.edu.sg

Contact details

Web Link - http://nsc.sp.edu.sg
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Algorithm: Mr Goy Teck Hui - 67721921, goy@sp.edu.sg
Internet Lego Challenge: Ms Pee Suat Hoon - 67721453, PeeSH@sp.edu.sg
Registration: Mr Tan Hu-Shien - 67721922, hstan@sp.edu.sg
General Enquiry: Mr Ng Song Heng – 68704672, ngsh@sp.edu.sg

About the National Infocomm Competition

The National Infocomm Competition is a multi-themed inter-school challenge created to uncover top infocomm talent in Singapore. Divided into three circuits - secondary schools, junior colleges and ITE/polytechnics – the competition will encompass challenges focused on areas such as business IT, digital media, mobile technology, security & networking and more. For more information, visit talent.singaporeinfocomm.sg. The National Infocomm Competition is organised by the Infocomm Development Authority of Singapore, universities, polytechnics,

ITE, Singapore Computer Society, Singapore Institute of Management and Singapore Science Centre.