FACTSHEET ON IGNITE SKILLS CHALLENGE 2017

The ignITE Skills Challenge is a national-level skills competition organised by the Institute of Technical Education, Singapore, with support from the Ministry of Education and Singapore Science Centre. As the only national competition for N Level students in Singapore, the aim is to excite secondary school students about the value of vocational and skills education. Students participate in 12 challenges that focus on Science, Technology, Engineering and Mathematics (STEM).

This year marks the second edition of ignITE Skills Challenge. With the tagline 'Where Innovation Meets STEM', challenges are designed to be engaging and fun, so as to make learning enjoyable and memorable. From building their own flying saucers to designing a plant display, students will be able to put their creations to the test and compete for a chance to win attractive prizes. More importantly, when students are actively involved in hands-on activities, they learn to appreciate and relate STEM more in their daily lives.

Once students sign up for a competition challenge, they will learn the necessary skills required for the competition in the training workshops. Workshops participants qualify for the preliminary rounds of each Challenge.

After the preliminary rounds, the finalists were shortlisted to compete in the finals on 23 May 2017. The top three teams from each Challenge will win trophies and medals.

	Participation in 2016	**Participation in 2017**
Workshops	1,662 students from 68 MOE Schools	1,388 students from 63 MOE Schools
Finals	366 students from 50 MOE Schools (Each Challenge had 10 teams of 3 pax, except for 'Flying Saucer' which had 12 teams)	360 students from 43 MOE Schools (Each Challenge had 10 teams of 3 pax)

Challenges

The Challenge	Challenge Description
Circuit Tinkering NEW	Design and transform an electric circuit into a 3D art piece using common household items.
Creative 3D Modelling NEW	Draw and assemble a 3D model using a 3D pen and paper templates.
Derma Rouge NEW	Create different types of wounds using common household items.
Dream Glider NEW	Design and construct a glider to soar the longest up in the air.
Flower Power NEW	Style the most fetching plant display using creative leaf manipulation and paper folding techniques.
Flying Saucer	Fabricate a propeller circuit that helps your "*Flying Saucer*" land the most accurately.
Fun Wheels NEW	Build a racing car to speed to the finish line in the shortest time possible.
Get Rich $ in ASEAN NEW	Compete to 'grow' your wealth amidst the changing economic and political climate. The team who earns most wins!
Mad Mocktail Strikes Again!	Mix the most unique and delicious mocktail by layering juices and syrups.
NUTRI on a Penny NEW	Prepare and cook healthy, nutritious, affordable dishes which everyone can enjoy.
Pixel Magix	Work together and use only primary colours to mix, match and paint the various shades required in a themed pixel art.
RoboMech	Assemble and programme a robot to zoom through an obstacle course, in the shortest possible time, while collecting objects.

Eligibility and Rules

1. ignITE Skills Challenge 2017 is open to students in the Normal (Technical) or Normal (Academic) cohorts only.

2. Each team must be made up of 3 members (2 main participants and 1 reserve, at least 2 members must see through till end of the Final Challenge).

3. Each student may join only 1 team.

4. Participants must attend ONE workshop (up to 2 hrs) at the respective ITE College between 27 Mar 2017 and 31 Mar 2017.

5. Up to 10 teams for each challenge will be selected during the preliminary round to advance to the Final Challenge.

Key Dates

Registration www.igniteskillschallenge.com Jan 2017 – Mar 2017	
Workshops 27 Mar 2017 – 31 Mar 2017	Participants must attend **ONE** workshop (up to 2 hrs) at an ITE College.
Preliminary Rounds One day during 4th Week of April 2017	1 day preliminary rounds held at respective ITE Colleges (ITE College Central on 18 Apr, ITE College West on 19 Apr and ITE College East on 20 Apr)
Final Challenge 23 May 2017	1 day finals held at ITE College West

Prizes for Each Challenge

Third Prize: Team Trophy, 3 Individual Medals, 3 $50 Cash Prizes

Second Prize: Team Trophy, 3 Individual Medals, 3 $75 Cash Prizes

First Prize: Team Trophy, 3 Individual Medals, 3 $100 Cash Prizes

Sponsors

Name of Challenge	Sponsor	Amount/In-kind
Derma Rouge	UBS Library Services Pte Ltd	$400 gift vouchers
Fun Wheels	Intel Technology Asia Pte Ltd	Intel sponsored: • 50 sets of Genuino101 controller boards (DFR0436) for the Challenge • 10 sets of Genuino101 Starter Kit for Finalists.
Mad Mocktail Strikes Again!	Honey-Land International Pte Ltd	$600 gift vouchers
NUTRI on a Penny	CrossPoint Telecom	$400 gift vouchers
All challenges	Murata Electronics Singapore (Pte.) Ltd	$1000
	ITE Alumni Association	$1000
	QCD Technology Pte Ltd	$1350
	Mr Joe Lim, ITE Alumnus	$1350
	Fluke South East Asia Pte Ltd	$675

Organised by **Institute of Technical Education**

Supported by

Ministry of Education SINGAPORE

RESULTS OF IGNITE SKILLS CHALLENGE 2017

CHALLENGE	FIRST *Team Name* School	SECOND *Team Name* School	THIRD *Team Name* School
Circuit Tinkering	*SQSS Team 2* Shuqun Secondary School	*CHRCIRCUIT_2* Christ Church Secondary School	*Bonding* St. Anthony's Canossian Secondary School
Creative 3D Modelling	*DT5* Springfield Secondary School	*S.P.S* St. Margaret's Secondary School	*NV 8* North Vista Secondary School
Derma Rouge	*CHRDERMA_1* Christ Church Secondary School	*Medicz* Crest Secondary School	*S.A.E.* Changkat Changi Secondary School
Dream Glider	*2* Yishun Secondary School	*FLYING SAINTZ* St Andrew's Secondary School	*Apollo* Changkat Changi Secondary School
Flower Power	*Lavender Crown* Crest Secondary School	*Violet Roses* CHIJ Katong Convent	*HIHS TEAM 2* Holy Innocents' High School
Flying Saucer	*bbs_fs_t1* Bartley Secondary School	*Crest Sec – Flying Saucer* Crest Secondary School	*HIHS TEAM 3* Holy Innocents' High School
Fun Wheels	*Regent Wheels 3* Regent Secondary School	*Drift Kings* Jurongville Secondary School	*HGSS Rocks* Hillgrove Secondary School
Get Rich $ in ASEAN	*Teck Whye* Teck Whye Secondary School	*N2 1s* Hua Yi Secondary School	*Crest Marketminators* Crest Secondary School

Mad Mocktail Strikes Again!	*G-47* Crest Secondary School	*CHRMADMOCKTAIL _1* Christ Church Secondary School	*Trio 46* Crest Secondary School
NUTRI on a Penny	*SIHATCREST* Crest Secondary School	*JVS 3* Jurongville Secondary School	*Northbrooks Nutri* Northbrooks Secondary School
Pixel Magix	*HIHS Team 1* Holy Innocents' High School	*Origins76* Fuhua Secondary School	*Compass P* Compassvale Secondary School
RoboMech	*Robo-Crest1* Crest Secondary School	*CHRROBOMECH_1* Christ Church Secondary School	*SKY Stars 3* Seng Kang Secondary School