



# GLOBAL YOUTH INVENTION SUMMIT 2025 LOOKBACK

## NOV 11 - DAY 1



### TECHNOLOGY LESSONS FROM THE TRENCHES

An inspiring presentation by Prof Ben Leong from AI Centre for Education Technologies, National University of Singapore on lessons learnt developing technology for charities.

What have you learnt? Many remembered the “White Elephant Test”!

### INTERNATIONAL TRAILBLAZERS 2025

More than 45 student Inventors from ages 10 - 20 on their first day of the Global Youth Invention Summit 2025 at National University of Singapore hosted by Prof Ben. Leong.

Welcome International Trailblazers, parents and educators!



### INVENTORS & THEIR FAMILIES

U.S students and their families at the School of Computing on their tour around the campus.

**NOV 12 - DAY 2**

## **OPENING CEREMONY**

The Global Youth Inventors were warmly welcomed at the Singapore Invention Convention Opening Ceremony by Mr. Aw Tuan Kee, Deputy Principal from Temasek Polytechnic.

The GYIS participants met the Singapore Invention Convention participants from ages 5 to 19 years old. They had the chance to nominate their preferred Global Choice invention.



## **ENGINE MODELS**

Up close with one of two model engines of commercial planes. The inventors were treated to how an aircraft engine works by a Pratt and Whitney engineer.



## **VISIT TO NTU & MARINA BARRAGE**

During the afternoon, GYIS participants visited the School of Chemistry, Chemical Engineering and Biomedical Technology at Nanyang Technological University where they had the opportunity to interact with Professor Mihaela and NTU students. This was followed by a visit to Marina Barrage.



## NOV 13- DAY 3

Morning came and judging began. Students were excited to pitch to the many industry and academic judges.

It was the longest judging per group - half an hour and more!

Judges were pleasantly surprised with the real-world problems and the innovative solutions these young global inventors presented.



## HANDS-ON LABS

Students between ages of 10 - 12 became scientists donning gloves to prepare their own hand moisturisers and soap at Temasek Polytechnic's Chemical Engineering Lab.

The older students participated in 3-D printing at the Digital Fabrication & Manufacturing lab while another group learnt how drones are being used in land mapping and were treated to a non-competitive hands-on drone flying opportunity.



**NOV 14-DAY 4**

## HACKATHON

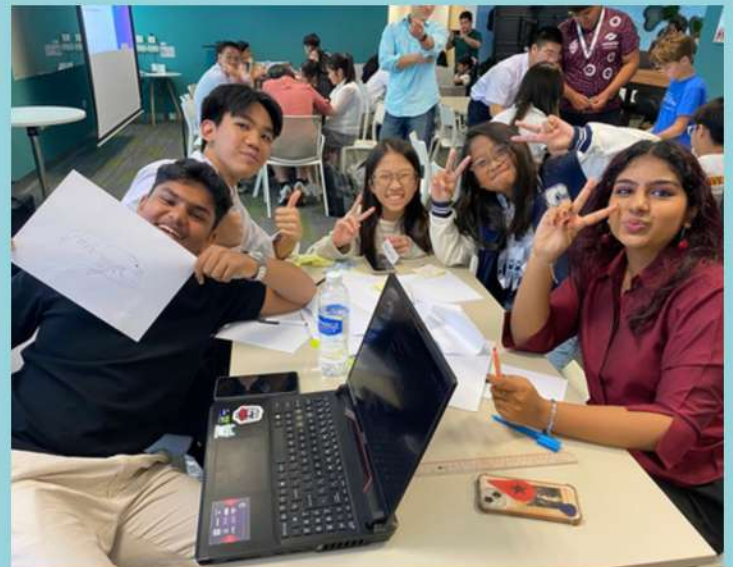
What happens when you put 10-year old innovators with 19-year old olds?

Sparks fly and Wings of Change begins with the collaboration across countries - Jake Livingood from USA, Charlotte Ong from Singapore, Paphavin Vorasaph from Thailand and Andrea Carolina Camacho Martinez from Mexico.

Language and age barriers are broken with the birth of a "Find Your Way" app

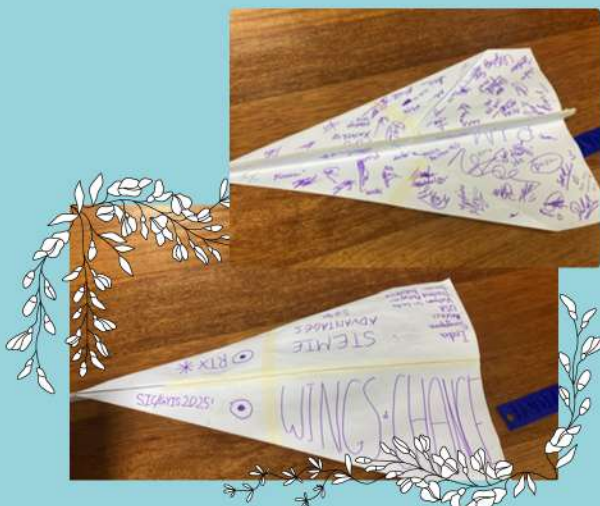
Hackathon is fun. Let the cross-cultural and cross-country youngsters tell you how they do it.

Fun...Fun....Fun



## ON WINGS OF CHANGE

A "Wings of Change" mascot, brainchild of 2024 GYIS Inventor & Volunteer Tay Shi Yi! He gathered heartfelt appreciation from all the participants - 10 countries and territories! Thank You to all!



# GYIS AWARDS



## RTX GLOBAL IMPACT AWARD GOES TO...

All the participants received a winning certificate, a plaque and a gift. The Global Impact award presented by RTX goes to Increda-Pack by Gwendolyn Livingood.



## NOV 15 PRATT & WHITNEY CENTENNIAL @ EAGLE SERVICES ASIA



We are thrilled that before our flights we could visit and celebrate with Pratt and Whitney on their centennial event at Eagle Services Asia. What an honour to meet with the MD Gilbert Sim at this event.

## FRIENDS FOREVER

*A firm friendship bond developed during GYIS 2025 - Elizabeth, Kailash, Vimal, Kaashie and Jane from Singapore, India and Taiwan. Can we continue to travel, learn and play together forever? Thank you Pratt & Whitney for another day of fun and sumptuous food!*



## GYIS 2025



*It's a wrap!  
Till we meet again!*