

# ENGINEERING AND TECH PROGRAMME SCHOLARSHIP

**Engineering & Tech;  
Our Future**

## Are you the **ONE**?



Are you interested in Science, Technology, Engineering and Mathematics (STEM)?



Do you enjoy hands-on, making or tinkering activities?



Are you exploring a STEM-related (e.g. engineering, robotics, tech etc) course of study or career?

If you answered “Yes” to all of the above, consider applying for the  
**Engineering & Tech Programme Scholarship (ETPS)**!

## What is **ETPS**?

Engineering & Tech Programme Scholarship (ETPS) is a new scholarship for Pre-U students.

It is

- A prestigious scholarship with about 200 students (Singapore citizens only) selected each year.
- For students with interest in and passion for applied, integrative STEM to go deeper into the engineering & tech fields.

The award covers an annual allowance of \$1000, school fees, and exclusive workshops, internships and work attachments.



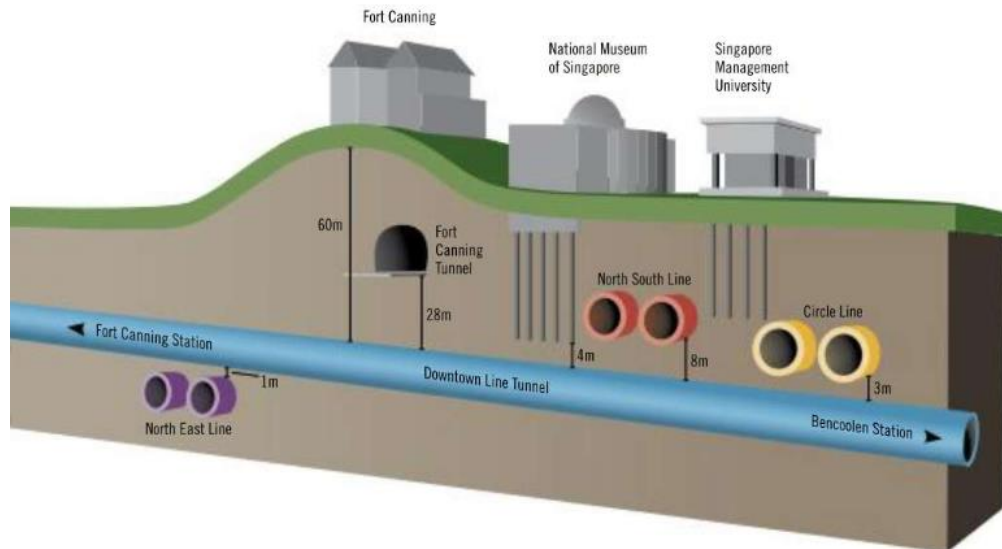
“In an increasingly complex world, Singapore needs **talented engineers** to work alongside scientists to uncover even more **transformative solutions**.”



# Engineering Wonders in Singapore

From “Engineering a First World: 50 Feats That Transformed Singapore” published by The Institution of Engineers Singapore

## Downtown Line ~ A Test of Precision



Downtown Line, which was built in close proximity to existing MRT lines, raised the bar for engineering excellence

“I feel my **biggest accomplishments as an engineer are the changes I’ve made** and my contribution towards creating a safe working environment on high-risk projects like the DTL Stage 3 with live lines crossing. We are hardwired to think logically, follow steps diligently, and **think of improvements and solutions to problems**”

~ Chang Kin Boon  
Director of DTL stage 3 of Rail, LTA

# Engineering Wonders in Singapore

## The Float @ Marina Bay ~ Making Steel Float



Clockwise from left:

Full-scale prototype load testing;

Extensive load testing conducted on the platform;

Hydrodynamic model testing;

Tugboats transferred the 15 pontoons to Marina Bay

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“Few people know that the platform floats. Others, who don’t feel and see that it moves, think it’s a concrete structure. It’s a **testament to the sterling work of our engineers.**”

~ Koh Hock Seng  
Project team leader, DSTA

“After many years, it still gives me **a sense of pride** whenever I talk to my family and friends about building the Floating Platform.”

~ Manmohan Jit Singh  
Project team member, Sembcorp Marine

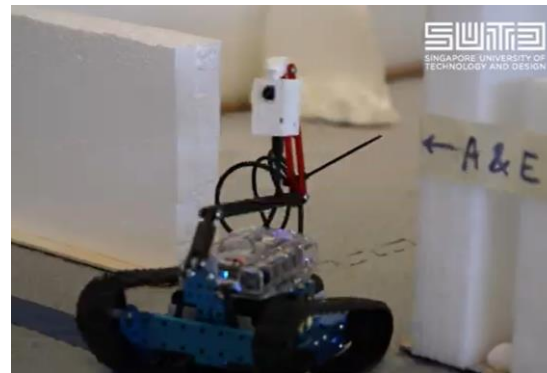


## What do we **do** in ETPS?

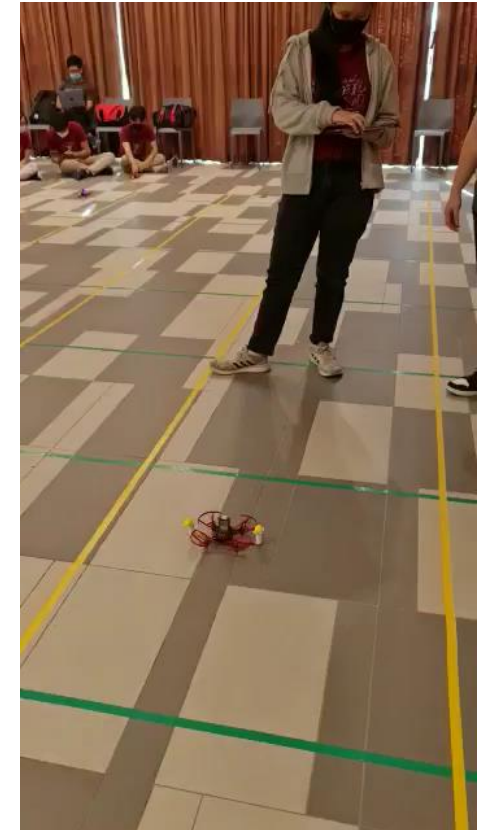
**Flagship STEM Workshop** conducted by autonomous universities (NUS, NTU, SUTD or SIT) to experience, learn and apply human-centred design, technology and engineering to solve real-world challenges.



Working with CAD software to create 3D printed design



AI Robotics Rescue Challenge



Programming workshop to write a code for flying drone in given challenge

## What do we **do** in ETPS?

**Work Attachments / Internships** at private companies and public agencies to understand more about careers in the engineering & tech industries.

Opportunity to be identified by some companies or public agencies as potential scholarship recipients for the Singapore Industry Scholarship or the agencies' scholarship post A-Levels.



Interns at HTX HQ where they are introduced to science and tech solutions engineered for the Home Team.

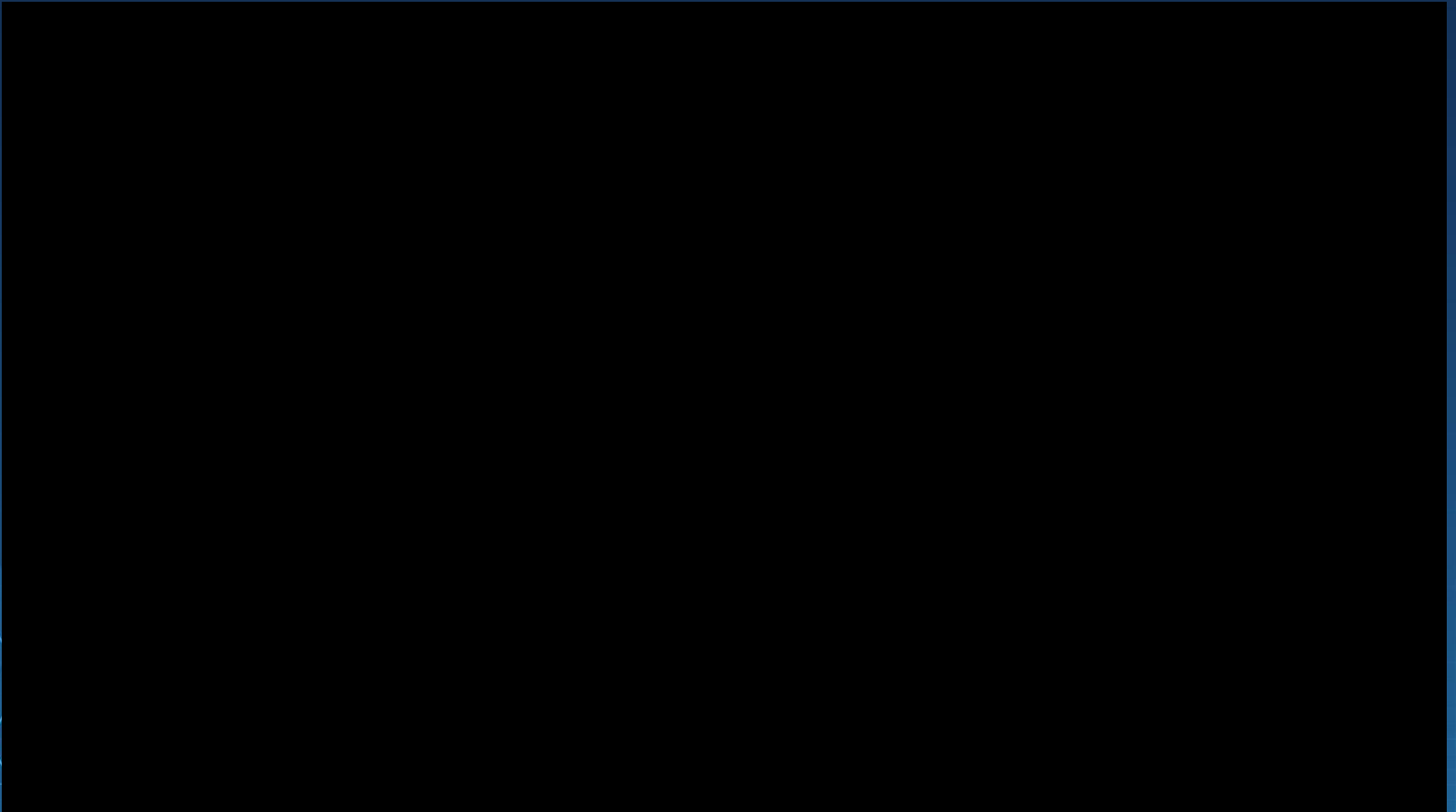
# Work attachments / internships at distinguished institutions



*and more*



ETPS, a prestigious MOE scholarship that recognises talent in STEM and groom future changemakers in Engineering and Tech.



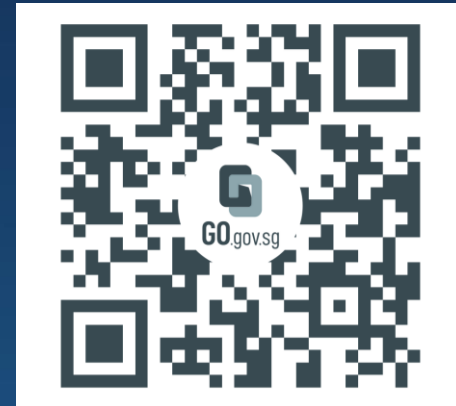
“**Science and Engineering** will be **fundamental** to our quality of life and our livelihood now, and forever.”

“We want to inspire yet another generation of scientists, technologists, and engineers to help build **our future** together.”

# ENGINEERING AND TECH PROGRAMME SCHOLARSHIP

Scan the QR code to find out  
more.

Application opens in mid-Jan  
and closes in end-Feb.



<https://go.gov.sg/etps>

# THANK YOU