

Driven to Excel

At ITE, Hong Wei had to juggle part-time work, two CCAs with heavy responsibilities, volunteer activities and his studies. Despite his hectic schedule, Hong Wei treasured each moment as it has helped him build up mental resilience. He even found time to mentor his classmates in their work! For showing great leadership, initiative and all-round excellence, his lecturers believe Hong Wei has what it take to achieve his dreams and more.



Aw Hong Wei
ITE College Central

“ I knew I had the right attitude and mindset to succeed at ITE. Unlike in secondary school, I was hungry for opportunities and ITE allowed me to explore a wide variety. After my first semester at ITE, I was confident that I had reliable lecturers and staff who would ensure my success – all of them, including the Student Development and Finance Services departments, which have contributed in some ways, too! Because of them, I knew I could do it and was able to charge towards my goal, which was to pursue Accountancy at Ngee Ann Polytechnic. ”

**LEE KUAN YEW
MODEL STUDENT
AWARD 2021**

For the Collective Good

Aaron has done more than just cultivate a spirit of teamwork in ITE. Initially reserved and unable to articulate himself confidently, Aaron feels he has grown a lot since he entered ITE. Having to lead his peers as Student Council President has built his confidence and helped develop his leadership skills. For sticking to his beliefs while obtaining outstanding achievements in and outside the classroom, Aaron is certainly model student to his peers!



Aaron Chin Yung Ern
ITE College Central

“ I credit my achievements to the life mantra I hold on to dearly – if I want to succeed, I can’t just focus on myself; I have to help others as well. In turn, my friends have inspired me to do better by supporting and reminding me that I can be what I want to be, even when I can’t see it yet. On days where I wished I had prioritised myself more, I reminded myself that teamwork is more important, because when I can’t find strength from within, I can find it in my friends, family and teachers. ”

**LEE KUAN YEW
MODEL STUDENT
AWARD 2021**

An Agent of Change

Javier has a strong passion for making a difference to the community. As a youth anti-drug advocate with the Central Narcotics Bureau (CNB), Javier has been actively involved in drug prevention initiatives. These have included public campaigns by CNB, as well as campaigns that he spearheaded on campus with the support of his peers from the Student Council. Javier also helps to coordinate community engagement activities for residents in his neighbourhood.



Javier Ng Jing Xuan
ITE College Central

“ ITE gave me a lot of opportunities to grow and live up to my full potential. Being a leader in the Student Council taught me how to show empathy for others and foster teamwork. Most importantly, I learned to always stay humble and grounded to gain respect as a leader. I was once a troubled youth, and I have come a long way from those days. This motivates me to help others who have gone through the same challenges like I used to, and give them the support that they need. I want to build a community that believes in people, and gives everyone a chance to turn their lives around. ”

LEE KUAN YEW
MODEL STUDENT
AWARD 2021

Fostering an Entrepreneurial Spirit

Jonaven has set his sights on being an entrepreneur. His strong passion for entrepreneurship serves as a great motivation for him to lead a team SOL-ITE - in their project, which won first place in the ITE Makerfest 2020 and ITE-NTU Startable Challenge 2020 entrepreneurship competitions. He has always been driven by the satisfaction of helping others and led his peers in organising service-learning activities. Jonaven not only possesses leadership qualities, he is also a team player and is well respected by his peers.



Jonaven Koh Ke Lin
ITE College East

“ITE has helped me tremendously in my journey by providing lots of support and great facilities. Dabbling with entrepreneurship at ITE has also provided opportunities for me to learn new skills. As a team leader at entrepreneurship competitions and a member of the Student Council, I advocate an important principle, of being humble, to everyone that I lead. I always believe that ITE stands for ‘It’s the Exploration’ as I have gained new learning experiences during my two years of studies at ITE.”

**LEE KUAN YEW
MODEL STUDENT
AWARD 2021**

Pushing the Boundaries of Excellence

Cody has a strong drive to constantly improve himself. This motivated him to take part in numerous competitions throughout his time at ITE. One of them is the WorldSkills Singapore 2020 competition, where he represented ITE in the field of Electronics. At ITE, Cody actively led his peers in various community service projects. He was also selected to participate in the Young Singaporeans Conference 2020 and SG Perspectives 2020, where he exchanged views with youth and industry leaders on socio-political matters.



Cody Tan Shi Wei
ITE College East

“When I was in primary and secondary school, I did not do too well in my studies. There were many people around me who doubted my ability to succeed. Such experiences left a deep impact on me, and motivated me to push myself to excel. I am very grateful to all my ITE lecturers for believing in me, inspiring confidence in me, and giving me many opportunities to fulfil my potential. I will continue working hard, and strive to make my parents proud of what I can achieve.”

**LEE KUAN YEW
MODEL STUDENT
AWARD 2021**

A Beautiful Start

Vernice has been interested in make-up since childhood. The Beauty & Wellness course at ITE was thus a natural choice for her to pursue her interest. Vernice participated actively in community service activities, competitions and CCAs. With her excellent skills proficiency, she even achieved a Bronze medal at the WorldSkills Singapore Competition 2020. Vernice is passionate about beauty therapy, as she believes she can transform a person's look and help them grow in confidence.



Vernice Tan Si Ying
ITE College East

“ In ITE, I learned to step out of my comfort zone and take the initiative to actively seize opportunities. I am usually quiet and shy, but I grew in confidence here. In particular, my self-doubt faded away when I represented ITE for the WorldSkills Singapore Competition and achieved a Bronze medal. My Class Advisor is a WorldSkills Competition Gold Medallist and she is my inspiration. She is skilful and confident despite her young age, and I want to be like her. ”

**LEE KUAN YEW
MODEL STUDENT
AWARD 2021**

Programmed to Succeed

Jia Yuan actively participated in school life and achieved a perfect Grade Point Average score. He was the President of the ACE Club, Chairman of the Fabric of Life Club, a Class EXCO leader, and a member of the Student Volunteer Corp Club. On top of these, he took part in numerous community service activities and competitions. Through his ITE journey, Jia Yuan built up his leadership skills and gained exposure to a myriad of experiences. He hopes to further his studies in university and start his own IT firm in future.



Ong Jia Yuan
ITE College West

“ I believe it is important to seize opportunities and be involved in different activities. This way, I can try new things and discover what I like, while learning new skills. I also believe that the people around me are crucial to me succeeding. I am fortunate that I have my family members and friends to encourage me in my journey. ”

LEE KUAN YEW
MODEL STUDENT
AWARD 2021

Zeal to Inspire

Beyond the classroom, Indra demonstrated outstanding leadership as President of Entrepreneurship Club and Vice-President of ACE Club, as well as Student Leader for all activities related to retail services. He led the clubs in several community service projects such as Project SG Strong. His sincerity, enthusiasm and confidence won the praises of his lecturers and the support of his peers. The exposure gained from his Retail Services course, coupled with his natural flair for communication, ignited his passion to become a prominent figure in the retail industry one day.



Indra Dermawan Bin Yuhanis
ITE College West

“Coming from a disadvantaged background in the past, I understand and empathise with others who are going through some hurdles in their lives. Therefore, I am determined to inspire them that with everything that happened in our lives, there will always be blessings. Through lending a helping hand to the community, I can share my stories to motivate young adults to strive and put their best efforts, and not letting their past to hinder their goals for the future.”

LEE KUAN YEW
MODEL STUDENT
AWARD 2021

Recipe for Success

An all-rounder who is well-liked by peers, Yan Xi was given many opportunities to hone her leadership skills. In her roles as Deputy Chairperson of the Culinary Club, Secretary of the ITE College West ACE Club and Chairman of her Class Executive Committee, Yan Xi was able to rally her schoolmates to participate in numerous College and community service activities, such as cooking meals for needy elderly and raising funds in support of underprivileged youths.

“ I am truly grateful for the care and concern shown by my ITE lecturers. Whenever I encounter problems in school, I can approach them for advice. As a Student Mentor, I strive to emulate my lecturers by lending a listening ear and providing advice to my classmates who needed help with their school work. ”

Koh Yan Xi
ITE College West

**LEE KUAN YEW
MODEL STUDENT
AWARD 2021**

Big Brother Triumphs

Alan join ITE's Traineeship programme despite knowing that he could be the oldest student in his cohort. A highly motivated Alan adapted quickly and got along well with his younger classmates. The practical skills which he picked up in ITE, transformed him into a competent Admin Assistant who can shoulder a range of tasks, from administrative & secretarial work, finance and human resource, and even Infocomm Technology (IT). With renewed confidence in his competencies, Alan aims to excel in his career.



Alan Ho Wei Jie
ITE College West
YTK Corporate Secretarial Pte. Ltd.

“It's never too late to study again! My time in ITE made me re-discover my youth. At school, I can take a breather from work and gain knowledge that I can apply immediately in my profession. My Class Advisor, Damien Chua, always goes the extra mile to check that we understand difficult concepts. He also guided me on managing group projects. I must also credit my encouraging superior, Serene Kek, for providing valuable advice on how to cope with studies and work at the same time.”

LEE KUAN YEW
MODEL TRAINEE
AWARD 2021

An Exemplary Student Leader

As the Chairman of the Student Council House Committee, Ajmal brought together students from different courses to work cohesively as a team and participated in several key projects. During the pandemic period, he took the initiative to pitch his idea of setting up a website for this purpose to his peers. Despite the challenges brought about by the pandemic, Ajmal's stellar academic performance and varied contributions to his CCA and College were testament to his outstanding leadership and perseverance.

“ ITE has given me endless opportunities to grow and has widened my network with mentors from different backgrounds and experiences. My role model, who is my father, has taught me over the years to be bold and daring to overcome challenges that come my way. I entered ITE with a burning desire to excel. Now that I have achieved it with pride and dignity, I can only be grateful to those who has made it possible for me. ”

Ajmal Sulthan s/o Abdul Kader
ITE College Central

LEE KUAN YEW
CCA AWARD 2021

Striving to Lead

As the Chairman of the Publication and Communication Committee in Student Council, Danish plays key role in coordinating marketing efforts, producing promotional videos and overseeing social media posts of the council. Danish's exemplary leadership qualities also shone through during his active participation in supporting ITE College East's environmental efforts to keep public spaces within the college clean. His enthusiasm and dedication to take on any duty assigned impressed his lecturers and peers.

“ I believe, one who strives to be a good leader has to be honest and caring, as well as prove themselves trustworthy, so that people will look up to. As a student leader, I guide and coach my peers in planning and facilitating events and encourage them to take the lead roles for those assigned events. I will continuously improve my skills to gain experience as a leader. ”

**Danish Sufi Usyair Bin
Mohammad Sophian**
ITE College East

**LEE KUAN YEW
CCA AWARD 2021**

Engineered to Excel

Dun Liang gave his all and did exceptionally well in his studies, as well as CCA. He joined Civil Defence (CD) Lionhearter Club to build on his knowledge in life-saving techniques, which he first learnt through his participation in Red Cross, CCA in secondary school. As the President of CD Lionhearter Club, he led his team members to participate in various public and community events and projects. He is well-respected among his members as responsible leader and a problem-solver to turn to when they face difficulties.

“ There is an old saying of ‘Don’t give up’. Honestly, I think it is easy to say but hard to do. My advice is to have a clear purpose that can motivate you through good and bad times. In my CCA, we are trained to prepare for the worst. That is why community emergency preparedness, first aid and fire safety knowledge are so important. Having these critical skills will enable you to think on your feet, and focus on the goal to save lives. No matter how dire the situation is, we must hold on to that goal and overcome challenges bravely. ”

Foo Dun Liang
ITE College West

LEE KUAN YEW
CCA AWARD 2021

Lee Kuan Yew Technology Award 2021

What is the Project?
Contactless Sanitary
Door

Who are the Inventors?

● Daniel Siew Wee Cher
Yong Jun Jie
Ge Jian
Liu Jialiang

ITE College Central



What is it about?

An automated door that uses sensors to allow contactless entry into restroom cubicles and indicates availability of restrooms.



A simple wave of the hand is all that is needed to lock/unlock the door, thanks to the in-built sensors.



Let's hear from the team....

It took great dedication and perseverance to achieve our objectives. We had to learn about waterproof standards and requirements, electronic control to integrate and sync the sensors, and how to manage the amount of electrical current to ensure both mechanical and electrical safety. It was challenging, but we are glad that we overcame our challenges by taking small steps and systematically resolved all issues.

- Daniel



Lee Kuan Yew Technology Award 2021

What is the Project?

CelestITE – The Guardian
for Your Garden

Who are the Inventors?

Chua Jia Yuan

Elroy Lim Ming Jie

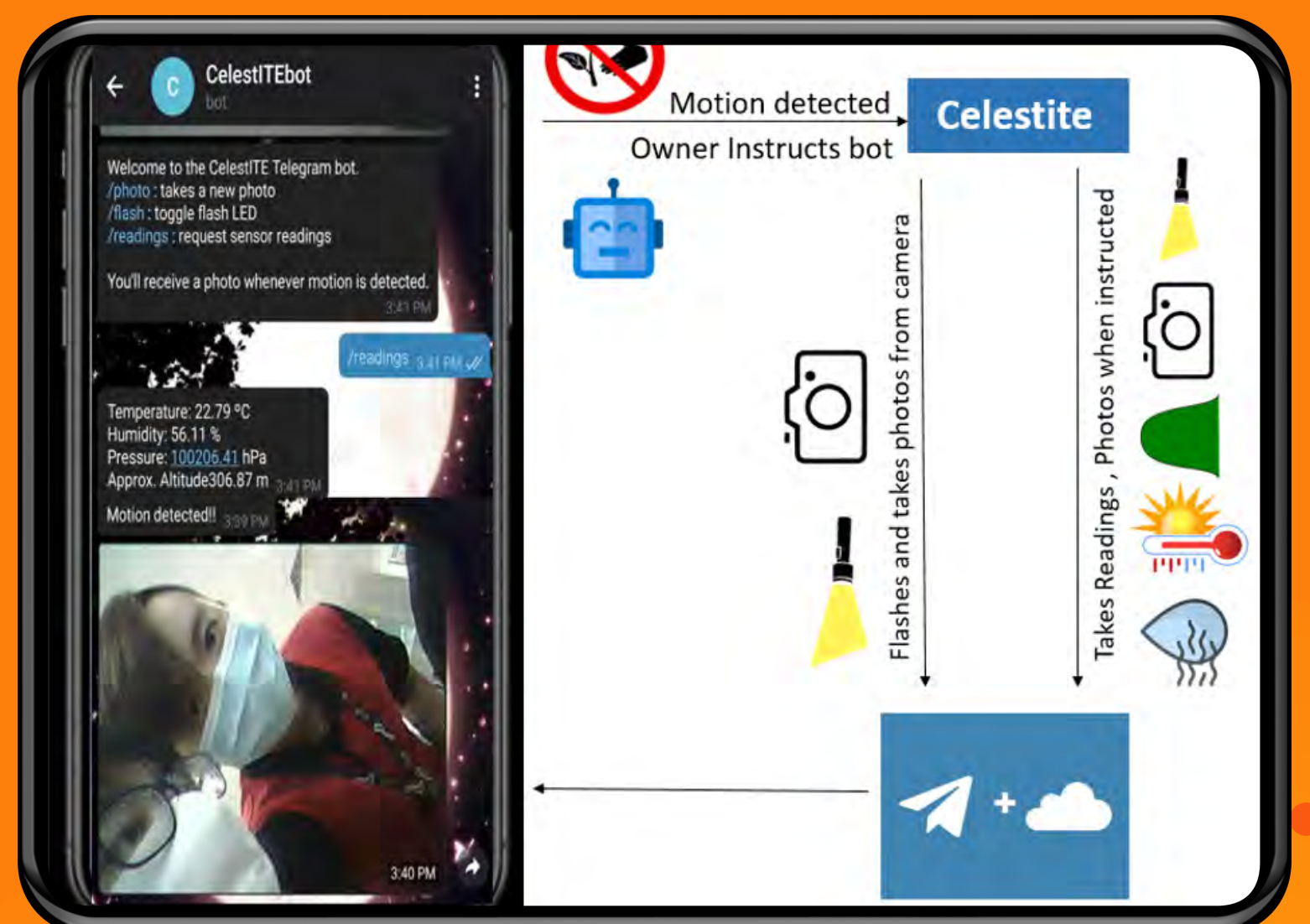
ITE College Central



What is it about?

To deter cases of plant theft, a monitoring device CelestITE can be installed near plants. When motion is detected, a flash of light will be emitted and photos will be taken by the device. The light serves as a deterrent for theft, while the photos serve as potential evidence of theft.

CelestITE can capture readings of environmental conditions that affect plant growth. These include the surrounding temperature, humidity and air pressure levels.



Let's hear from the team....

Our personal experiences inspired us to start on this project. Elroy's grandfather grows chilli outside his home, which were frequently stolen. My mother also grows plants in a community garden near my home. We wanted to create something that could protect plants from theft and help them thrive. We tested the prototype in the community garden and received positive feedback from residents on its effectiveness in keeping people off their plants. We named the device CelestITE, which is a combination of 'celestial' and 'ITE'. It represents how we want others to see our device – something good invented by ITE students.

- Jia Yuan

Lee Kuan Yew Technology Award 2021

What is the Project?

Mirror Mirror on the Wall

Who are the Inventors?

Lee Xing Yi

Chriselda Goxentia Hartanto

Leow Hua Yi

Tan Jun Han

ITE College Central



What is it about?

‘Mirror, Mirror on the Wall’, a smart mirror that reflects not only one’s image, but also a snapshot of the individual’s key health data.

Built with the capability to wirelessly extract data from weighing scales, temperature scanners and other external devices, the mirror is able to provide users with detailed measurements, such as their BMI, metabolism, visceral fat, lean body mass, bone mass, muscle mass and more.



Let's hear from the team....

Working on this project gave me the opportunity to deepen my knowledge and skills in coding and designing. There were times when the team faced challenges in getting the outcomes we wanted due to coding issues. However, with guidance and useful tips from our lecturers, we were able to figure out solutions to the problems. This gave us a great sense of achievement!

- Xing Yi

Lee Kuan Yew Technology Award 2021

What is the Project?

Piano Practice Monitoring

Who are the Inventors?

Syakira Bte Sahmawi

Nor Faraizara Asykin Bte Izam

Nur Shafiqah Bte Roslan

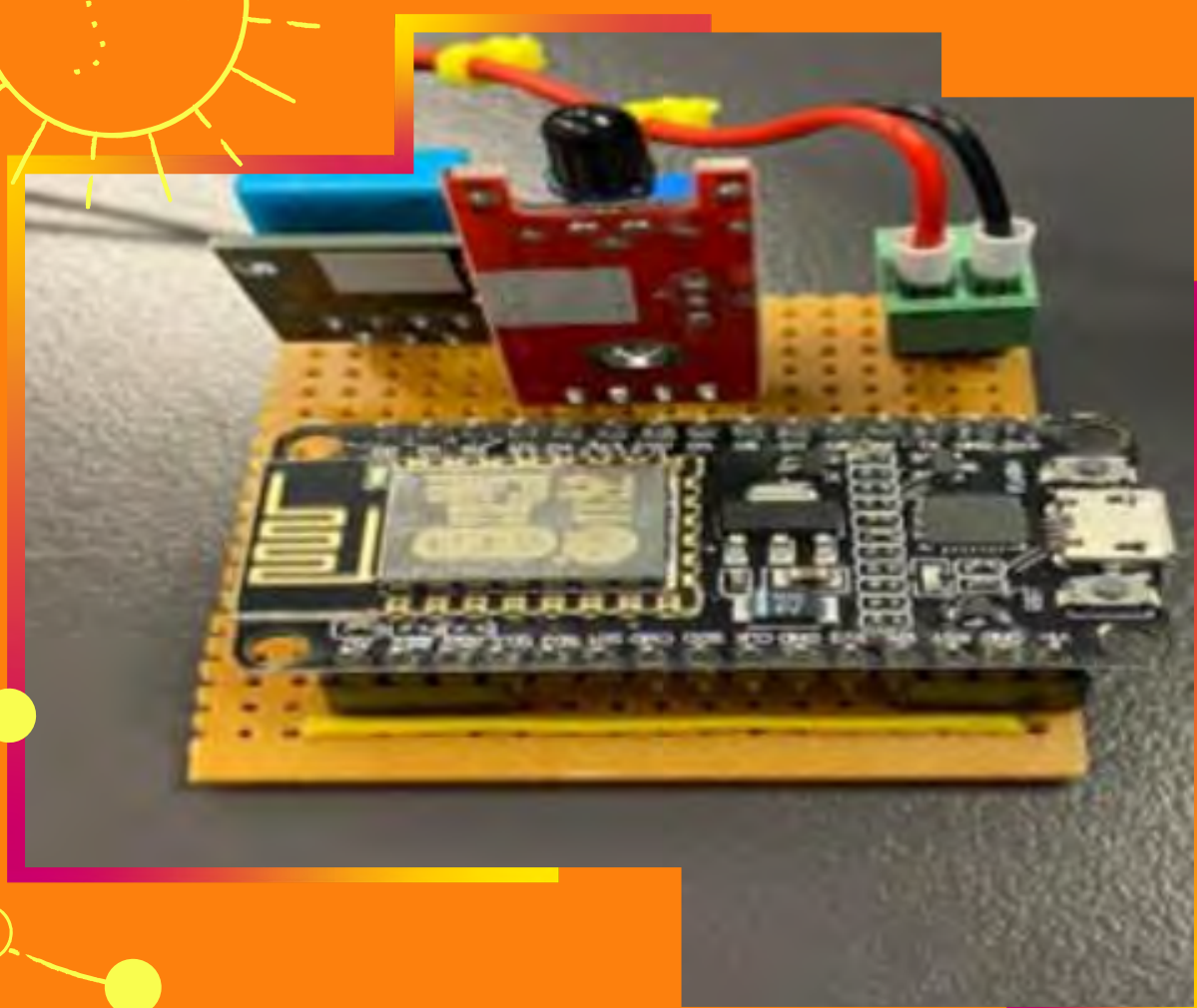
Dawson Lee Wee Kiat

ITE College Central

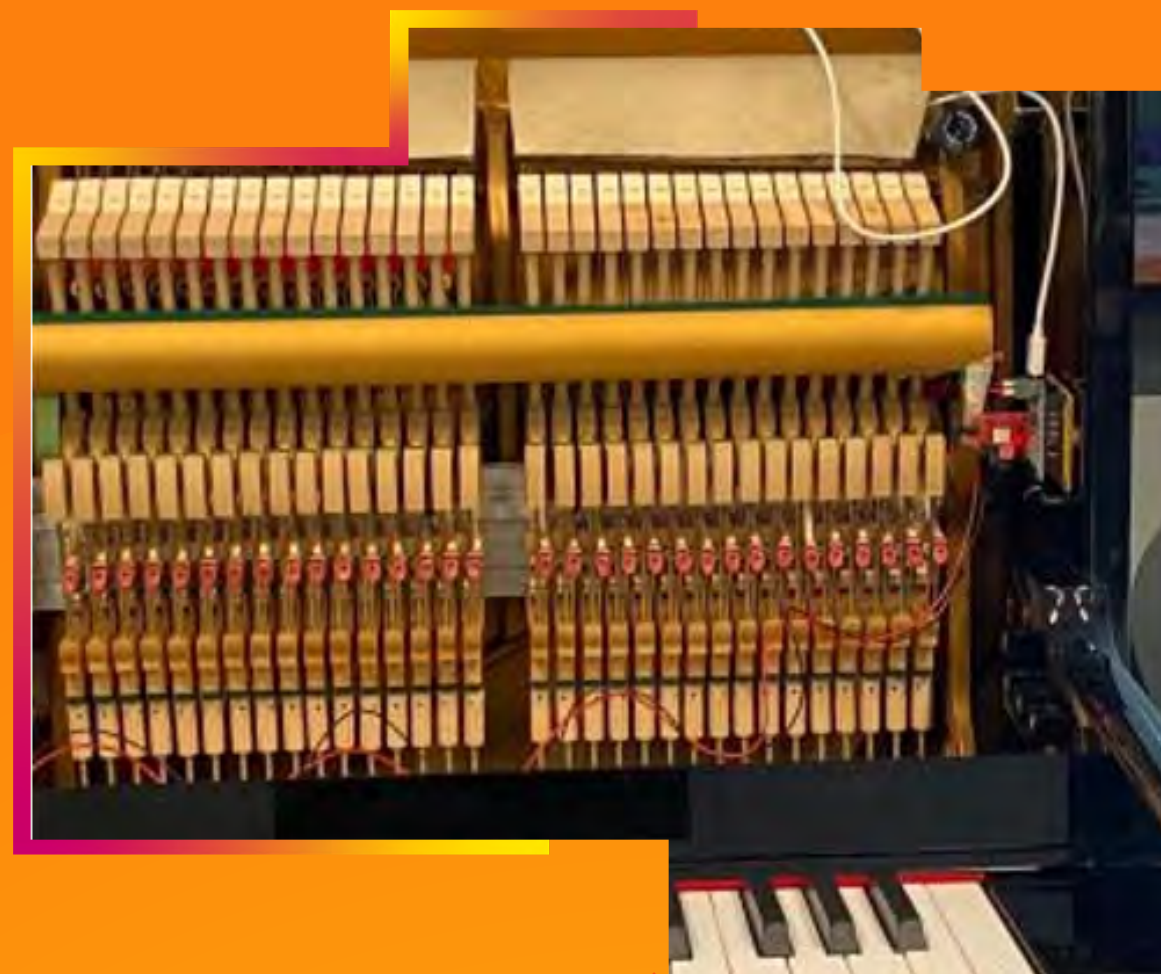


What is it about?

Piano Practice Monitoring device provides a remote monitoring of instrument usage. Besides conducting checks on pianos to ensure they are in optimal condition, piano teachers must also monitor their students' practice rate to maximise their learning outcomes.



With the piano practice monitoring device, it can be installed in the piano, to track play time and record temperature and humidity levels. The device is also programmed to trigger email alerts to service technicians and owners on the condition of the piano.



Let's hear from the team....

I'm so heartened that our device has already been implemented in 24 out of 38 branches of Cristofori Music School! The school even has plans to sell our device to parents who may wish to monitor their children's piano practice at home. Looking back, I found that the most challenging part was project development. We went through many rounds of trial and error before deciding on using an infrared sensor. I also got to apply what I learnt in coding from my course, while programming this device.

- Syakira

Lee Kuan Yew Technology Award 2021

What is the Project?

SMART TraceTogether
SafeEntry Management
System

Who are the Inventors?

Chua Zhi Jia Joseph

Don Yeo Zhiwei

Masangkay Ralf Patrick Quintero

Mohamed Amirul Arifin Bin

Mohamed Azan

Tan Yu Wei

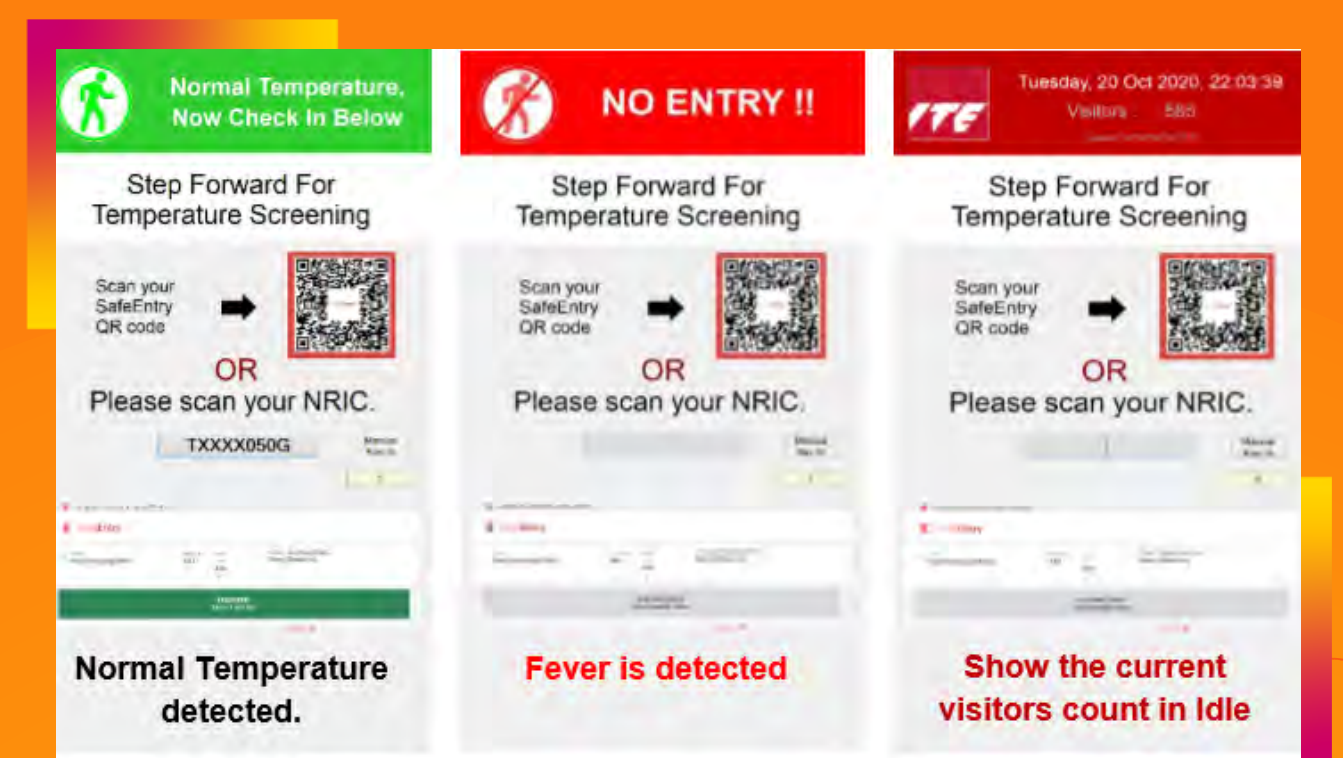
ITE College Central



What is it about?

A SafeEntry kiosk to include a proximity sensor that detects people within a radius of 50cm and concurrently takes their temperature via an inbuilt contactless thermometer.

It is also able to scan the barcode on an ID card and activate the TraceTogether SafeEntry application, in case users do not have a physical token or application on their mobile device. This information will be captured and stored in the system for TraceTogether SafeEntry submission.



Let's hear from the team....

This project was carried out in different phases during our internship period. Our team operated in pairs, taking on specific roles in the different developmental phases of the prototype. But there was a lot of synergy and knowledge sharing amongst us. We had very steep learning curves – we had to learn to build the software and firmware applications from scratch whilst adhering to the standards and requirements of our customer. But with guidance from our company supervisors, encouragement from our lecturers and perseverance on our part, our team was able to create a final product that we're proud which is unlike any other currently available in the market!

- Don Yeo

Lee Kuan Yew Technology Award 2021

What is the Project?
Aim for Cleanliness

Who are the Inventors?
Tan Shi Wei Cody
Ooi Ren Chen Adam

ITE College East



What is it about?

A device that guides users on maintaining appropriate positioning at urinals. When installed at urinals, it detects users' positions and prompt them to shift closer to the urinal through messages on a digital display board.



The device also assess cleanliness levels in washrooms by detecting the amount of volatile organic compounds (VOCs) present. VOCs include sewer gases, such as methane and ammonia. The amount of VOCs detected can guide the assignment of manpower for cleaning washrooms.



Let's hear from the team....

Very often, we would enter public washrooms with foul smells and dirty conditions, which put us off from using them. We felt that more could be done to improve washroom cleanliness, which gets even more important amidst the COVID-19 pandemic. We also spoke to cleaners on campus, and learned that they usually spend the most time cleaning the floor area below urinals due to stubborn urine stains. All these motivated us to create something that not only improves cleanliness of public washrooms, but also helps to make the job easier for cleaners.

- Cody

Lee Kuan Yew Technology Award 2021

What is the Project?

iNail Pro

Who are the Inventors?

Tan Yuan Tian

Silwin Bintony Lingam

Noah John Mitechell

Lim Bo Xuan Terrian

ITE College East



What is it about?



iNail Pro is a unique contraption aimed at providing a safe solution for stroke patients who face difficulty in trimming their fingernails.

Equipped with a strategically placed 'fingernail slot' and a concealed sanding stone attached to a small motor, the battery-operated device enables users to gently trim their nails singlehandedly. The product is ergonomically shaped and 3D-printed casing allows users to comfortably rest their palms, minimising the possibility of muscle strains.

Let's hear from the team...

The most satisfying part of this project was to see stroke patients using the product with ease. I feel proud that I am able to use the skills that I have learnt in school, such as 3D printing, laser-cutting and electrical wiring, to make a product that can benefit others.

- Yuan Tian

Lee Kuan Yew Technology Award 2021

What is the Project?

AI4 Eco Office

Who are the Inventors?

Lim Jia En Ryan

Asyramil Naszri B Rohani

Christa Yeow Wai Fong

Chan Wai San Stella

ITE College West



What is it about?



The “AI4 Eco Office” uses AI to sense the level of human activity in a room and automatically adjusts the temperature and lighting intensities to optimal levels.

As part of the smart energy management system, the device measures energy consumption and allows users to monitor their energy consumption in a timely way.



Let's hear from the team....

Climate change is a challenging problem that we must tackle today. It has already led to dire consequences like the global rise in temperatures and sea levels. I think more people must understand these environmental issues better. Young people can play a part too. We should only use the energy that is necessary and no more. This project is our team's way of using our AI skills to contribute to saving the earth, by reducing our carbon footprint.

- Lim Jia En Ryan

Lee Kuan Yew Technology Award 2021

What is the Project?

SMART AI
Sign Language

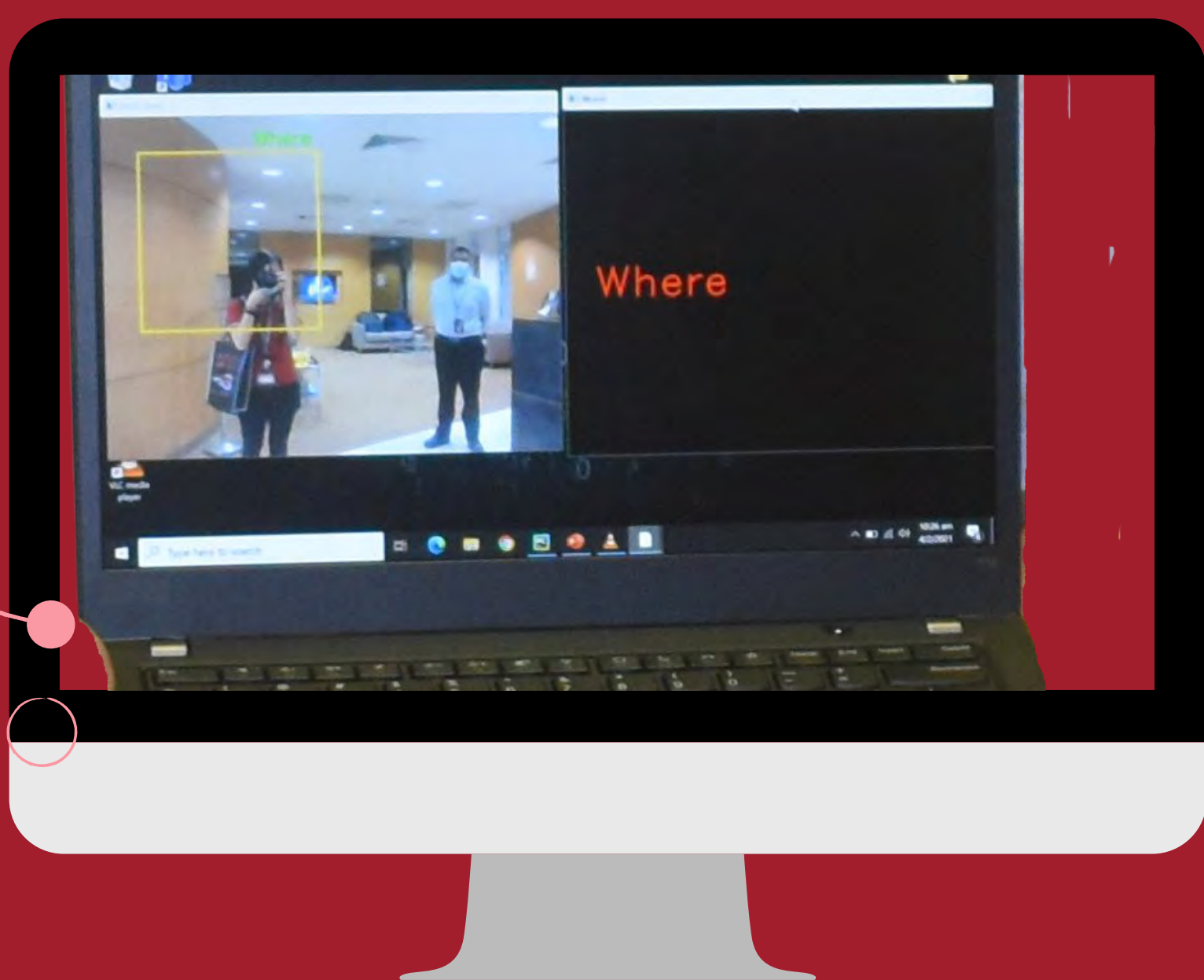
Who are the Inventors?

Lee Amrey Tya N D
Chua Yong Kang
Henry Tng

ITE College West



What is it about?



An app that translates Singapore Sign Language (SgSL) into words. The team captured and stored images of SgSL to create a library from which the app draws upon. The app then translates the gestures made by the user into words, giving the hearing-impaired a way to communicate without the need for a human interpreter, and reducing their stress and anxiety of making themselves understood.

Let's hear from the team....

We wanted our app to really embrace the hearing-impaired and their 'language' - to break the barrier between the hearing and hearing-impaired, to teach and create awareness about Singapore sign language. Typing or writing something down makes it convenient for those who can hear. What we wanted was to make communication convenient for the hearing-impaired for a change.

- Amrey

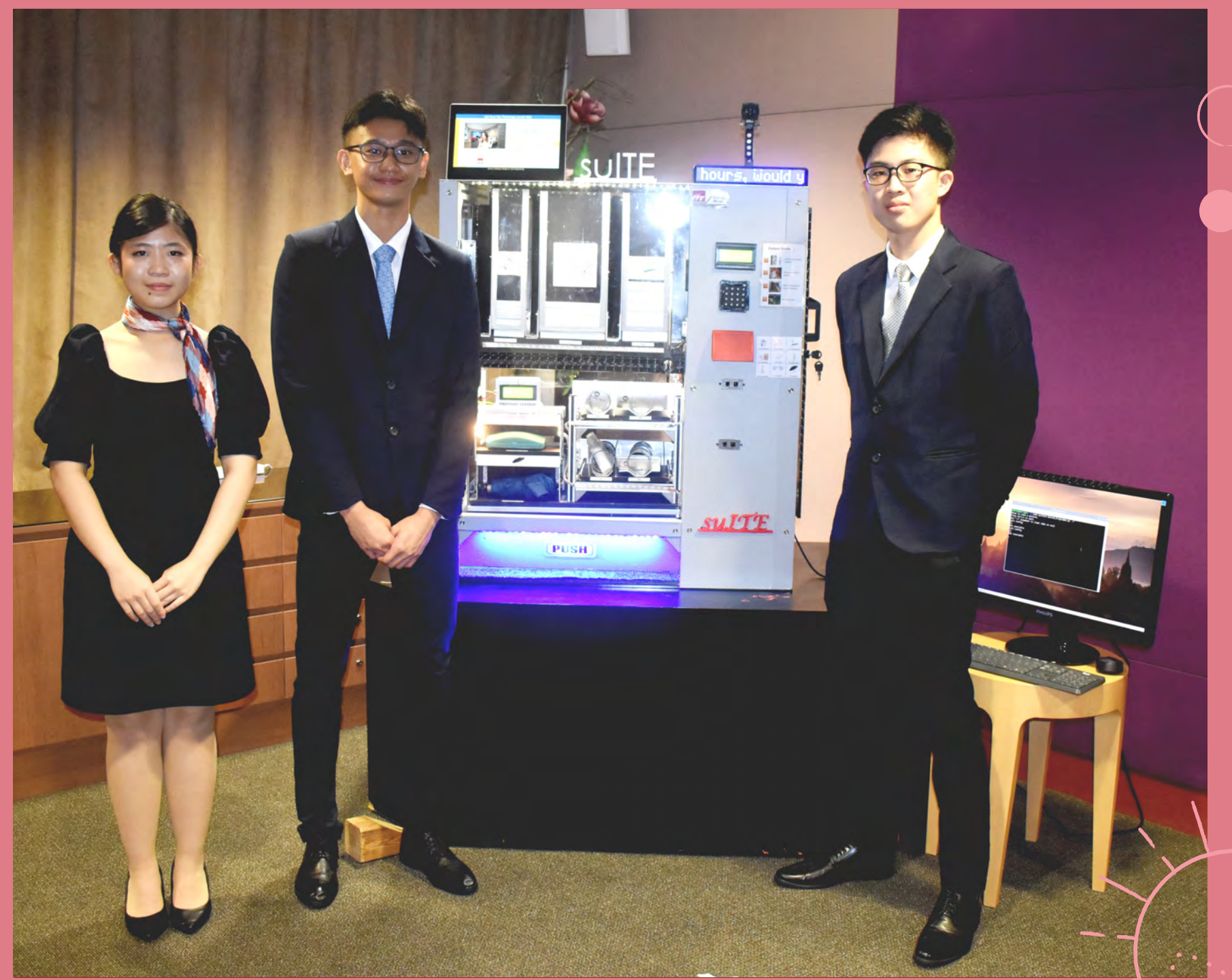
Lee Kuan Yew Technology Award 2021

What is the Project?
Service Utilising Intelligent
Tech Engineering (suITE)

Who are the Inventors?

Ian Tan
Robin Teoh Yan Quan
Emily Toh

ITE College West

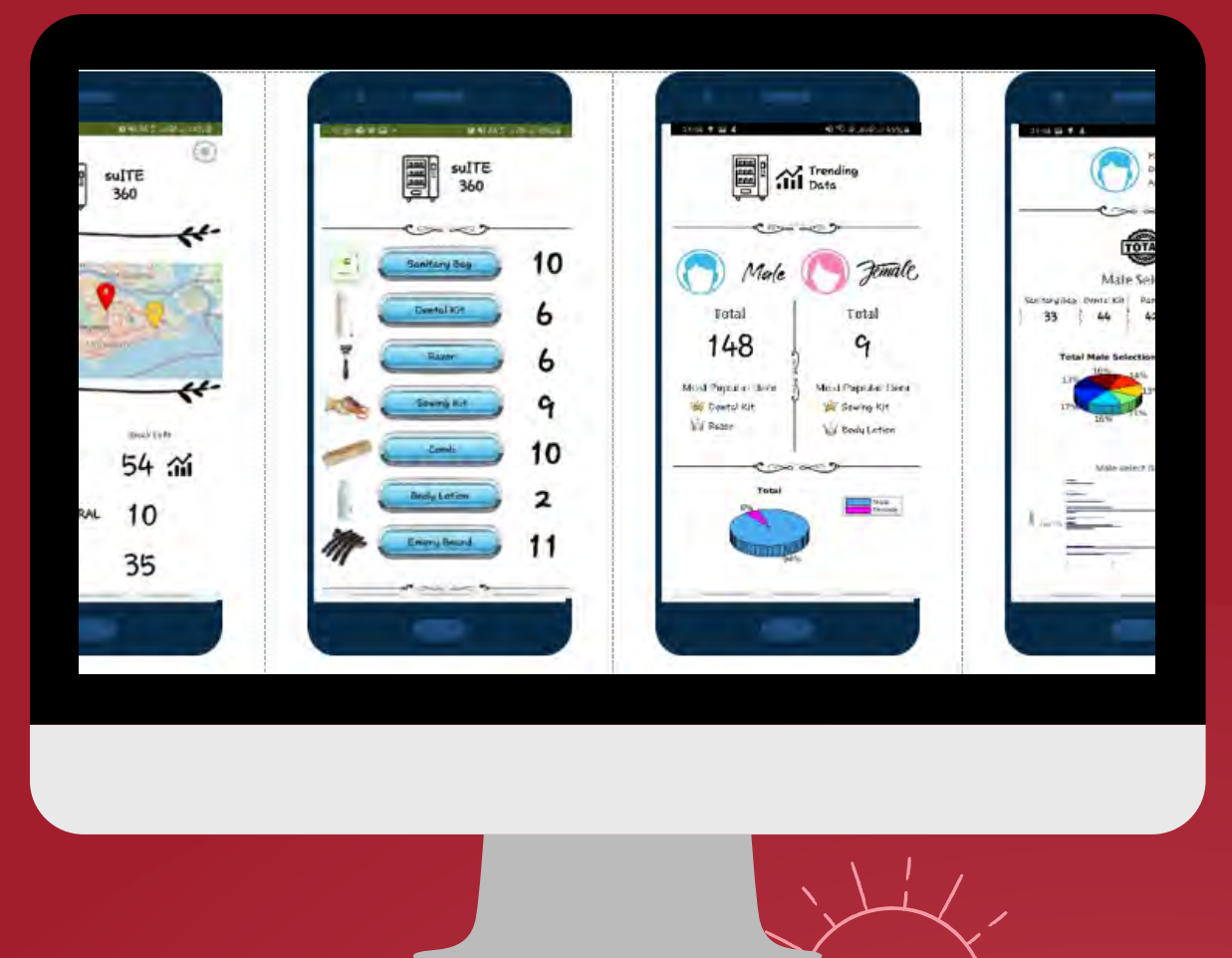


What is it about?

The suITE machine is a smart vending machine allows guests to collect commonly-requested items, such as bathroom towels and toiletries, any time they like with a simple tap of their access card, without needing to wait for housekeeping staff to attend to them.



An accompanying app provides real-time status of all suITE machines in the hotel so staff can have an overview of the inventory and guests' preference, allowing them to replenish items only when stocks are low.



Let's hear from the team....

During my internship at a Government Quarantine Facility, I realised the housekeeping department is very labour intensive. The housekeeping staff would have to stow their trolley before proceeding to attend to guests' requests. With suITE, we hope that we can relieve the load of housekeeping staff, minimise amenities consumption and reduce manpower requirements in hotels, without compromising guest experience.

- Emily