



Press Release
For Immediate Release

Students from Over 80 Secondary Schools Showcase Innovative Technology Business Proposals at STEM+E Competition

Winning proposals include smart trekking poles to enhance hiking safety and an IoT solution to improve energy efficiency in schools

Hong Kong, 20 June 2022 – The STEM+E Competition 2022, an inspiring contest jointly organised by the STEM+E Consortium, Cyberport and Hong Kong Science and Technology Parks Corporation (HKSTP), aims to prepare students for an ever-changing world by nurturing their creativity and problem-solving skills. The competition concluded last Saturday (18 June) with the enthusiastic participation of over 400 students from more than 80 secondary schools.

Under the guidance of start-ups from Cyberport and HKSTP as well as business leaders, the students formed into groups to tackle social concerns such as “Waste Reduction and Management” and “Health and Well-being” by leveraging innovative technologies. Two champion teams selected from the Entrepreneurship Track demonstrated the lease of smart trekking poles that can reduce hiking accidents, and the use of Internet of Things (IoT) technologies to automate energy conservation in schools.

Addressing society’s pain points with creative solutions

The competition connected the participants with 14 Cyberport and HKSTP start-ups, as well as a group of business leaders. A total of 92 teams were formed by students from a wide array of schools, with the teams divided into an Entrepreneurship Track and a Venture Track. The teams on the Entrepreneurship Track were matched with start-ups that shared their self-developed technology solutions, entrepreneurial experience and industrial knowledge, enabling students to utilise their solutions to come up with creative business proposals. The Venture Track allowed its teams to employ technologies already on the market to devise their own plans. Teams on both tracks received recommendations and guidance from business professionals acting as mentors.

The Entrepreneurship Track saw two teams, Stickerz and i-campus, honoured as champions. Stickerz turned their start-up’s smart canes, which are equipped with fall detection, automatic notification and location tracking, from aids for the elderly to trekking poles for hikers, while adding more features such as a buzzing device. This modified trekking pole can reduce accidents that leave hikers stranded for long periods before rescue. Meanwhile, i-campus noted the high ratio of electricity costs to schools’ total expenses, utilising their start-up’s IoT technologies to devise a smart solution that can help schools to monitor and regulate their electricity usage automatically, reducing electricity costs.



Cultivating digital savviness leads to future opportunities

Prof. Joseph Koc, convenor of the STEM+E Consortium, said, “As the competition enters its fourth year, the number of participating schools has increased from an initial five to over 80 this year, breaking our record. Thanks to enormous support from Cyberport, HKSTP and the business community, these students are provided with valuable opportunities to enrich their tech knowledge, learn from business consultations, and enhance their soft skills including creative and critical thinking, resilience, and perseverance. All of these skills represent big steps for them in preparing for the future.”

Eric Chan, Chief Public Mission Officer of Cyberport, said, “Dwelling in the digital era, younger generations need to be creative and digitally savvy in order to capture the opportunities offered by this ever-changing world. It is our pleasure to partner with the STEM+E Consortium and HKSTP again for this competition. Given the competence of start-ups from both Cyberport and HKSTP, we are confident that the students has learned a lot about emerging technologies and industries. We are also happy to see that the students can apply what they have learned to help solve issues in the real world, using creative and entrepreneurial thinking and technological solutions. Through this competition, we hope to ignite more students’ interest in innovative technologies, and to inspire more rising talent.”

Eugene Hsia, Chief Corporate Development Officer of HKSTP, said, “Children are our future. We are accountable for shaping how the next generation thinks, learns, and subsequently impacts the world. At HKSTP, we believe that the seed of curiosity and creativity planted today will blossom into innovations for the future. The STEM+E Competition is a powerful learning platform co-created by HKSTP and Hong Kong Cyberport - the two largest local I&T ecosystems. In the most collaborative fabric, we want to light a fire in our children’s hearts and prepare them to become the city’s I&T leaders of tomorrow.”

Three-month event teaches technology and business knowledge

The competition was launched as a three-month event in March of this year. All participating teams were required to deliver a business proposal addressing the themes of “Waste Reduction and Management” or “Health and Well-being”. The final contest was held at Cyberport on 28 May, while the award presentation ceremony was staged at HKSTP last Saturday. “Inspired by the start-up to solve problems with technologies and creativity, we came up with the idea of optimising their smart canes’ functionalities, so that we could expand their market from just the elderly to include hikers,” said Stickerz’s representative.

“Thanks to our mentor’s guidance, we now understand how to streamline our solutions from a business perspective so as to clearly and effectively present our work to potential business partners with an increased success rate,” said i-campus’s representative.



Since its inauguration in 2019, the STEM+E Competition has provided opportunities for students to develop their skills through start-up sharing sessions, business consultations and workshops, enabling them to generate high-tech business plans that address specific social issues. The finalists were given a chance to present their plans to a judging panel consisting of investors, business leaders and academics. Through this contest, students learn about innovative technologies as well as the application of high-tech solutions in dealing with social issues. They also work as a team to transform creative ideas into practical high-tech business proposals.

###

For high-resolution photos, please download via [this link](#).



The STEM+E Competition 2022, an inspiring contest jointly organised by STEM+E Consortium, Cyberport and Hong Kong Science and Technology Parks Corporation, concluded last Saturday (18 June) with an award presentation ceremony for the winning students.



Two champion teams, Stickerz (left) and i-campus (right), were selected from the competition's Entrepreneurship Track. Stickerz's business plan features the lease of smart trekking poles which can reduce hiking accidents, while i-campus utilises Internet of Things (IoT) technologies to monitor schools' electricity usage for automated energy regulation and conservation.



More than 400 students from over 80 secondary schools took part in the STEM+E Competition 2022. The final contest was held at Cyberport on 28 May 2022, with the finalists presenting their business plans to the judging panel both online and in person.



Prof. Joseph Koc, convenor of the STEM+E Consortium, said, “Thanks to the enormous support from Cyberport, HKSTP and the business community, the competition has provided students with valuable opportunities to enrich their tech knowledge and learn from business consultations.”



Eric Chan, Chief Public Mission Officer of Cyberport, said: “It is our pleasure to partner with the STEM+E Consortium and HKSTP again for this competition. Given the capabilities of start-ups from both Cyberport and HKSTP, we are confident that the students will learn a lot about emerging technologies and industries. They can also help find answers to real-world issues using creative thinking and technological solutions.”



Eugene Hsia, Chief Corporate Development Officer of HKSTP, said, “The STEM+E Competition is a powerful learning platform co-created by HKSTP and Hong Kong Cyberport - the two largest local I&T ecosystems. In the most collaborative fabric, we want to light a fire in our children’s hearts and prepare them to become the city’s I&T leaders of tomorrow.”

Appendix 1: List of winning teams

	Teams	Participating Students and Schools	
Entrepreneurship Track			
Champion	i-campus	CHI YUEN CHI – Bishop Hall Jubilee School	LU YIK YUI – Buddhist Mau Fung Memorial College
		LAU HEI YIU – Carmel Pak U Secondary School	CHEN KAI XIN TIFFANY – St. Paul's Co-Educational College
Champion	Stickerz	TANG LONG HIN – CNEC Christian College	YUNG TSZ HIN – Hong Kong Chinese Women's Club College
		AU KA YUI – St. Paul's Co-Educational College	CHEUNG CHUNG YIN – Stewards Pooi Tun Secondary School
First Runner-up	Safe Journey 42	CHIN KA MAN KAMAN – St. Stephen's Girls' College	
Venture Track			
Best Team	S.O.A.P Solution	SO HOI TING – Diocesan Girls' School	CHO KWAN NOK – Shun Tak Fraternal Association Yung Yau College
		HO HONG TAT ADAM – St. Paul's Co-educational College	LEUNG TSOI LAM PHOEBE – Ying Wa Girls' School



Appendix 2: List of participating start-ups

Cyberport Start-ups		HKSTP Start-ups	
AESIR	Archon Wellness	archiREEF	Film Players
Carbon World	Sportopia	InspireLab	lotena Technology
Wada Bento	SyZyGy	BNET-TECH	Sensestek
Sport Plus Technology		Greensafety Technology	

For media enquiry, please contact:

Cyberport

Erin Wong
 T: (852) 3166 3985
 E: erinwongtl@cyberport.hk

Yuan Tung Financial Relations

Agnes Yiu
 T: (852) 3428 5690
 E: ayiu@yuantung.com.hk

Hong Kong Science and Technology Parks Corporation

Karmen Cheung
 T: (852) 2629 2339
 E: karmen.cheung@hkstp.org

Edelman Public Relations

Vicky Lo
 T: (852) 2837 4786 / 9886 0423
 E: vicky.lo@edelman.com / Edelmanhkstppr@edelman.com

About Cyberport

Cyberport is an innovative digital community with over 1,800 members including over 800 on-site and 900 off-site start-ups and technology companies. It is managed by Hong Kong Cyberport Management Company Limited, wholly owned by the Hong Kong SAR Government. With a vision to be the hub for digital technology, thereby creating a new economic driver for Hong Kong, Cyberport is committed to nurturing a vibrant tech ecosystem by cultivating talent, promoting entrepreneurship among youth, supporting start-ups, fostering industry development by promoting strategic collaboration with local and international partners, and integrating new and traditional economies by accelerating digital transformation in public and private sectors.

For more information, please visit www.cyberport.hk



About Hong Kong Science and Technology Parks Corporation

Hong Kong Science and Technology Parks Corporation (HKSTP) has for 20 continuous years committed to building up Hong Kong as an international innovation and technology hub to propel success for local and global pioneers today and tomorrow. HKSTP has established a thriving I&T ecosystem that is home to three unicorns and Hong Kong's leading R&D hub with over 11,000 research professionals and over 1,000 technology companies focused on healthtech, AI and robotics, fintech and smart city technologies.

Established in 2001, we attract and nurture talent, accelerate and commercialise innovation and technology for entrepreneurs on their journey of growth in Hong Kong, to the Greater Bay Area, Asia and beyond. Our growing innovation ecosystem is built around our key locations of the Hong Kong Science Park in Shatin, InnoCentre in Kowloon Tong and three modern INNOPARKs in Tai Po, Tseung Kwan O and Yuen Long. The three INNOPARKs are realizing a vision of re-industrialisation for Hong Kong. The goal is sectors like advanced manufacturing, electronics and biotechnology are being reimaged for a new generation of industry.

Through our infrastructure, services, expertise and network of partnerships, HKSTP will help establish innovation and technology as a pillar of growth for Hong Kong, while reinforcing Hong Kong's international I&T hub status as a launchpad for global growth at the heart of the GBA innovation powerhouse.

More information about HKSTP is available at www.hkstp.org.

About STEM+E Consortium

Established in 2018, STEM+E Consortium is responsible for the noble and challenging mission of preparing our next generation for their future. As one says, "We may not know what the future may hold, but we know who holds the future". STEM+E Consortium believes that the answer lies with not only showing students the WHAT, but WHY and HOW.

Through its annual flagship event STEM+E Competition and other initiatives, STEM+E Consortium aspires to foster and nurture creativity thinking, critical thinking, collaboration and problem-solving skills of the younger generation. All being components of entrepreneurial mindset. A mindset essential to allow our students to cope with their future.