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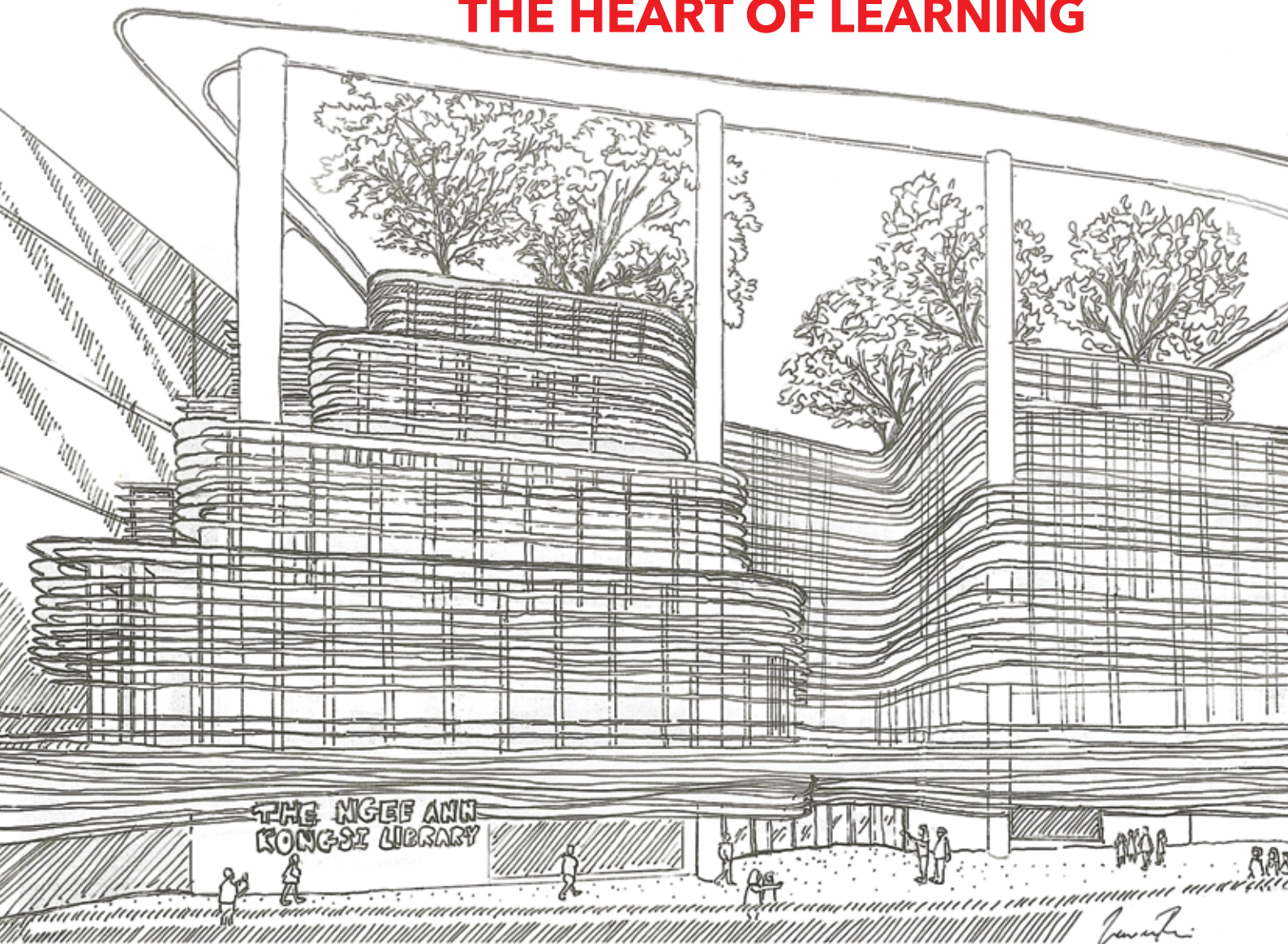
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SIT SINGAPORE
INSTITUTE OF
TECHNOLOGY

Bi-Annual
Jan 2023

What's Up Punggol?

A PREMIER LIBRARY TO POWER THE HEART OF LEARNING



Illustrated by Ms Lau En Bei,
Bachelor of Arts with Honours in Interior Design,
Class of 2020

Strong Employment Outcomes and Starting Salaries for SIT's 2021 Graduates

SIT Celebrates the Graduation of its Largest Cohort to-date

SITizens Get Warm Support from Class of 2022, Faculty & Staff

InnoHub: Supporting Companies' Innovation Journeys from Scratch to Hatch



Contribute!

We want to hear from you! Should you like to contribute a story to share with the SITizen community, please contact us at Alumni@SingaporeTech.edu.sg

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SITizen Bi-Annual is a publication by the SIT Advancement & Alumni Division.

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A Premier Library to Power the Heart of Learning

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SIT's Punggol Campus to Boast Largest Private Microgrid in Singapore

To support Singapore's energy transition for a low-carbon energy future, SIT partners SP Group in developing Singapore's first experimental, Multi-Energy Microgrid at its future campus in the Punggol Digital District

Moulding SIT Students into Work-Ready Professionals at Punggol Digital District

The Punggol Digital District (PDD), home to renowned and upcoming technology players, serves as a seedbed of daring ideas and ground-breaking R&D. SIT's upcoming centralised campus in PDD will feature a vibrant learning environment where academia and industry will be tightly integrated with the community

Strong Employment Outcomes and Starting Salaries for SIT's 2021 Graduates

More than 9 in 10 graduates were employed within six months of graduation, and 86% were employed in full-time permanent jobs – surpassing pre-pandemic levels – with improvements seen across sectors. The Class of 2021 also earned competitive salaries, with a mean gross monthly salary of \$3,755 and a median gross monthly salary of \$3,550

First Year Experience 2022 Welcomes New SITizens in Person after 2-Year Hiatus

Over 2,800 freshmen gather at SIT@Dover for an unforgettable First-Year Experience through a series of induction programmes

SIT Celebrates the Graduation of its Largest Cohort to-date

A record number of over 2,200 graduates for Class of 2022, including the pioneer cohort of Air Transport Management graduates and SIT's first Honorary Graduate

Graduating Cohort Pioneers Annual Class Giving Tradition at SIT

The Class of 2022 has a special place in SIT history for two reasons – being the 10th graduating cohort and the first to launch an annual class giving drive to support their juniors

Our Hearts Take Them Further

In the first five months since the Faculty & Staff Giving Roadshow 2022, 57 SIT employees have together made possible 21 SIT Bursaries for the new Academic Year, as well as supported the Student Relief Fund@SIT (COVID-19) and AdventureLearn

SIT Launches Singapore's First Competency-based Stackable Micro-credential Pathway

4 MoUs signed with NCS, Singtel, Singapore Computer Society and three polytechnics to upskill and reskill ICT sector workforce

ENGIE and SIT Announce Partnership to Advance District Cooling Across Southeast Asia

7 Symbiotic collaboration will enable applied research, authentic learning spaces for SIT students, co-development of curriculum content, and knowledge sharing sessions for industry and community

InnoHub: Supporting Companies' Innovation Journeys from Scratch to Hatch

8 A one-stop centre for innovation at the Singapore Institute of Technology is offering services to drive innovation in the industry, from ideation to co-development of new or improved solutions as well as test-bedding

DOSIS Project: Deepening Applied Research Collaboration

22 A three-year applied research project between SIT and a Finnish university surmounted pandemic challenges to turn into a long-term partnership

From Lab to Rail: SMRT and SIT to Set Up Transport Living Lab to Solve Operational Issues

23 An extension of SMRT's engineering capabilities and resources, the Transport Living Lab will also provide an authentic learning environment for SIT students and academic staff to co-create land transport solutions

A Winning Proposition for The Fintech Industry

24 On 2 November 2022, the Singapore Institute of Technology inked seven Memoranda of Understanding with reputable companies to jointly nurture fintech talents. The partnerships aim to strengthen the workforce through several initiatives, including work attachments for Applied Computing (Fintech) undergraduates and workplace learning opportunities

Applied Materials Teams Up with SIT to Support a Future-Ready Semiconductor Workforce

25 The two will work together in continuing education and training and local ecosystem capability building

SIT Partners Rotary to Build Skilled Workforce in Chemicals and Energy Sector 26

The collaboration will take place on three fronts – workplace learning programmes for Rotary staff, internship opportunities for SIT students, and innovation projects. The company has also made a gift to nurture financially disadvantaged students at SIT through the Rotary Engineering Bursary

SIT Partners SP Group to Boost Engineering Talent and Advance Singapore's Energy Sector 27

MoU signed at Energy Innovation 2022 seeks to upskill more engineering talent with strategic three-year collaboration to supercharge expertise in the energy sector

A Night of Appreciation at the Emerald Ball 28

The Ireland Funds makes a donation to SIT to support Nursing and Allied Health students

Sands Hospitality Scholarship Comes to SIT 29

14 Hospitality Business students to be supported through Scholarship

Relishing Excellence 30

Recognition of Excellence, one of the most joyous events on SIT's university calendar, returns with a bang in November with over 700 attendees gathering at SIT@Dover

Jolly Halloween for the Class of 2022 32

The New Alumni Welcome Party makes a comeback with best dressed prizes for this year's graduating class

Sharing, Socialising, Mentoring 34

The SIT Alumni Mentoring Programme brings in more exciting events for its participants, with interactive activities and engaging sharing sessions

Having Fun In Person Again! 36

Starting from June 2022, SITizens are once again able to enjoy a flurry of physical events organised by the SIT Alumni Network

Back to the Movies 40

SIT Alumni make a beeline for the cinemas with the long-awaited return of the Alumni Leisure Network's signature movie events, Alumni Movie Night and Night@The Projector

Cheers to Good Times 42

SIT Alumni enjoy after-work hangouts once again with the return of CheerS IT's Thursday!

DEAR READERS

A Premier Library for SIT ... and Other New Developments

What will the future be? For Singapore Institute of Technology (SIT) students, it is shaping up with exciting possibilities at SIT's future campus in Punggol, as well as a flurry of innovative academic and research developments.

In this issue, we unveil The Ngee Ann Kongsi Library in Punggol, a state-of-the-art facility made possible by the Kongsi's \$25-million philanthropic commitment, the largest that SIT has received to date. SIT's Punggol campus will also boast the first Multi-Energy Microgrid (MEMG) on a university campus in Southeast Asia, as well as the largest private microgrid in Singapore – which is being developed in partnership with the SP Group to support the nation's energy transition for a low-carbon energy future.

Located in the Punggol Digital District, a seedbed of daring ideas and ground-breaking R&D, SIT's upcoming campus in Punggol will indeed be one that SITizens can look forward to – a vibrant living lab where academia and industry will be tightly integrated with the community, one that is designed to mould them into work-ready professionals of the future.

In other developments, SIT and ENGIE have announced a partnership to advance district cooling across Southeast Asia. This symbiotic collaboration will enable applied research, authentic learning spaces for SIT students, co-development of curriculum content, as well as knowledge sharing sessions for industry and community. The university has also launched Singapore's first competency-based stackable micro-credential pathway to provide upgrading pathways for in-employment learners, starting with the Bachelor of Science with Honours in Applied Computing degree programme.

SIT graduates are also doing well. More than 9 in 10 SITizens from the Class of 2021 were employed within six months of graduation, and 86% were employed in full-time permanent jobs, surpassing pre-pandemic levels. They also earned a mean gross monthly salary of \$3,355 and a median gross monthly salary of \$3,550, both competitive numbers. Their juniors, the Class of 2022, the 10th and largest cohort that SIT has graduated to date, became the very first to launch an annual class giving drive to support their juniors through the SIT Bursary. Certainly, SIT's Faculty & Staff had led the way in supporting this bursary as well as other causes, most recently in July 2022, with the return of the Faculty & Staff Giving Roadshow.

In the pages to follow, you will find these stories and more. We hope you will enjoy them, and should you have any feedback, do drop us a line at Alumni@SingaporeTech.edu.sg

SIT Advancement & Alumni



A Premier Library to Power the Heart of Learning

The Ngee Ann Kongsi Library at SIT's future campus in Punggol will enhance student capabilities and enable student service learning to build strong communities, thanks to the Kongsi's \$25 m philanthropic commitment - the largest ever to come to SIT

Upon its expected completion in 2024, visitors to the West Zone (sited at the intersection of the Campus Boulevard walkway and New Punggol Road) of the Singapore Institute of Technology's future campus in Punggol will hardly miss a striking landmark building. Called The Learning Hub, this will be the building to house The Ngee Ann Kongsi Library - the very heart of learning at SIT,

and a premier library to support transformational teaching and learning at SIT.

This vision is being realised with the generous support of the Kongsi, which announced in February 2022 its intention to make an endowed gift of S\$25 million to SIT (S\$2.5 million will be disbursed annually over a duration of 10 consecutive years) to support the



development of this library, as well as the establishment of The Ngee Ann Kongsi Emergence Fund to nurture students through a range of learning opportunities (please see 'A Fund to Nurture Emerging Talents').

In recognition of this generous gift - the biggest donation that SIT has received thus far - the university has named the library at its future campus in Punggol, as well as the library at its interim campus at SIT@Dover The Ngee Ann Kongsi Library before its move to Punggol.

The naming ceremony took place on 4 February 2022 at SIT@Dover. Mr Chan Chun Sing, Minister for Education, was the

Guest of Honour at the event. Also attending were Mr James Teo Wee Wee, President of The Ngee Ann Kongsi, Mr Jamie Teo, Vice-President and Chairman of the Donation & Charity Sub-Committee of The Ngee Ann Kongsi, as well as Members of The Ngee Ann Kongsi's Committee of Management.

This leadership gift will support The Ngee Ann Kongsi Library in scaling up its efforts to build SIT students' capabilities in Information, Digital & Media Literacy which is most important in the information, data and technology world today. At SIT's future Punggol campus, the Library is designed to facilitate

the interaction of people and ideas and meet students' diverse learning needs.

It will have technology-enabled collaborative learning spaces, where students can get hands-on exposure to state-of-the-art digital equipment and technologies. They will be able to learn collaboratively to enhance their learning outside of class time. For example, the Library will house discussion pods for group consultations, rooms to rehearse and record presentations, digital hives equipped with higher-end computers with specialised software, as well as an immersive media studio.



Artwork of The Ngee Ann Kongsi Library by SIT Alumnus Ms Lau En Bei.



At the MoU signing were (From left): Mr James Teo, President, The Ngee Ann Kongsi; Mr Chan Chun Sing, Minister for Education; Mr Jamie Teo, Vice President & Chairman of the Donation and Charity Sub-Committee, The Ngee Ann Kongsi; Prof Chua Kee Chaing, President, SIT; Mr Ng Yat Chung, then-Chairman, SIT Board of Trustees, and Chief Executive Officer, Singapore Press Holdings; Prof Tan Thiam Soon, Institute Professor, SIT.

The Library will also be a testbed to support projects that students can work on as part of their practical learning. The Ngee Ann Kongsi Library will continue to create purposeful programmes and projects to bring together students, faculty, industry partners and community members from all disciplines to learn together.

It will develop larger scale programmes to enhance student competencies, such as a distinguished speaker series featuring industry practitioners and community leaders. The Library's location in Punggol will allow it to play a role in the building of strong communities, by enabling service learning for SIT students through their engagement with the Punggol community.

At the naming ceremony, Professor Chua Kee Chaing, President, SIT, said, "On behalf of SIT, I would like to express our heartfelt appreciation to The Ngee Ann Kongsi for its generous and wide-ranging support of SIT students through the years. Since 2017, the

Kongsi has been supporting a scholarship, a gold medal, and an emergency relief fund for our students."

"Now, with this transformative gift, it will offer our students access to more exciting learning opportunities - through an emergence fund and a library for the future - to help them hone their capabilities for the knowledge economy. One of SIT's cherished aspirations is to nurture graduates who are passionate about serving the community, and we are very grateful for this gift," he added.

Said Mr Jamie Teo, Vice-President and Chairman of the Donation & Charity Sub-Committee, The Ngee Ann Kongsi, "We are very honoured by the naming of The Ngee Ann Kongsi Library at SIT. The Ngee Ann Kongsi firmly believes in empowerment through education. We hope this gift will help widen the access to a range of learning opportunities for SIT students."

A Fund to Nurture Emerging Talents

The Ngee Ann Kongsi Emergence Fund will support a variety of learning projects such as coaching for students to learn about leadership or other soft skills such as confidence, emotional intelligence, and public speaking.

It will enable financially challenged students to access experiential learning opportunities, such as overseas exchange and internship programmes, and provide support for applied research projects with student participation.



An artistic rendering of the East Zone in SIT's upcoming Punggol campus.

SIT's Punggol Campus to Boast Largest Private Microgrid in Singapore

To support Singapore's energy transition for a low-carbon energy future, SIT partners SP Group in developing Singapore's first experimental, Multi-Energy Microgrid at its future campus in the Punggol Digital District

On 22 March 2022, the Singapore Institute of Technology (SIT) made an electrifying announcement about its future campus in Punggol – the SP Group (SP) had made an additional investment of up to S\$8 million to enhance the capabilities of the earlier planned microgrid at the new campus, more than doubling SP's investment first announced in 2017.

The microgrid will be the largest private microgrid in Singapore when it is completed in 2024, and the first Multi-Energy Microgrid (MEMG) to be constructed on a university campus in Southeast Asia.

SP, a leading utilities group in the Asia Pacific that focuses on low-carbon, smart energy solutions, will design, build and operate the MEMG to fully support SIT's energy demands according to electricity generation capacity. It will supply more than 2000 MWh of electricity annually from photovoltaic solar panels, equating to 4% of the total energy needs of the campus.

The microgrid is customised for Singapore's tropical climate and will provide a sandbox environment to testbed Singapore's future energy system while minimising risks of disruptions to operations. It will be able to integrate electricity, thermal and renewable sources of energy into a unified smart energy network, to support applied learning, research and experimentation in a real-world environment.

With the new investment, the microgrid will be enhanced to integrate various low-carbon solutions including building-integrated photovoltaics and distributed energy storage systems. SIT and SP will also design a system that can further island buildings and certain floors from the national grid. The enhanced microgrid will also boast a hybrid AC (Alternating Current)/DC (Direct Current) building level grid and will allow for different building management systems to be tested and deployed.

With the enhanced functionality, the campus' MEMG will be a microcosm of Singapore's future energy system, supporting:

- technology and policy research in support of an increasingly distributed national grid with both AC/DC sub-systems, and various forms of distributed grid architecture and microgrid controllers to optimise for cost, resilience and carbon;
- next-generation power electronics to facilitate increasing bidirectional grid power flows; and
- innovative energy services to cater to the needs of different consumer segments.

Prof Chua Kee Chaing, SIT President, said: "We are pleased that our collaboration with SP Group over the past few years has matured to a stage where we can explore new ground in areas that will help Singapore address issues of energy resilience and energy management. This augurs well for the country as we approach a future that is increasingly going to rely on sustainable and green sources of energy."

As a university of applied learning, SIT places priority on authentic learning, bringing real problems into the classroom. The MEMG takes this idea further, bringing the classroom out into the world.

The microgrid will be a platform for interdisciplinary research in emerging energy technologies, cyber security, sustainable infrastructure, and green building designs involving students from Engineering and Infocomm Technology. For industry, the microgrid provides a high-fidelity system to experiment, innovate and develop the technologies and policies that would support the energy transition.

This article first appeared in SIT's Digital Newsroom.

Moulding SIT Students into Work-Ready Professionals at Punggol Digital District

The Punggol Digital District (PDD), home to renowned and upcoming technology players, serves as a seedbed of daring ideas and ground-breaking R&D. SIT's upcoming centralised campus in PDD will feature a vibrant learning environment where academia and industry will be tightly integrated with the community



At SIT's upcoming campus @ PDD, businesses can look forward to a collaborative environment that fosters industry-academia partnerships. Photo courtesy of JTC.

As the country's first university of applied learning, Singapore Institute of Technology's (SIT) pedagogy is not just the conventional blend of lectures and laboratory-based research. Its industry-relevant degree programmes are anchored on authentic learning and experimentation in real-world environments. In the programmes, students work on problems and create solutions that address pressing industry needs.

JTC's Punggol Digital District (PDD) thus makes an ideal campus location for SIT to fully implement its applied learning pedagogy. Home to renowned and upcoming technology players, the district serves as a seedbed of daring ideas and ground-breaking research and development (R&D). Being nestled in this community of established tech companies and start-ups means that SIT's students and faculty can keep pace with the latest industry happenings, and even be fresh pairs of eyes,

providing inputs that could overcome bottlenecks and birth breakthroughs.

And the benefits of this co-location go both ways. Whenever company personnel need innovative ideas or wish to reskill or upskill their workers, they can stroll across the walkway and tap into the university's resources through research collaborations or pick the brains of academic staff with deep expertise and experience across various industries and disciplines. Their staff can also participate in many upskilling programmes to support industry workforce transformation.

Furthermore, PDD is backed by a smart estate management system called the Open Digital Platform (ODP), a key component of which is a digital twin. Streams of district-level data are fed to the cyber-physical replica of PDD, making it a living lab where companies can test-bed their solutions with zero risks. SIT students can partner with

these companies to co-engineer applications in emerging sectors such as artificial intelligence, robotics, blockchain, cybersecurity, and smart living.

"Living Labs are a strategic imperative to SIT. It is a way to embody our education and research focus – moving away from lectures and lab-based research and towards authentic learning and experimentation in a real-life environment. Whether within SIT's facilities or in partnership with PDD, living labs provide an opportunity for SIT and industry partners to develop and showcase new business models, jobs, investments, and partnerships," says SIT President Professor Chua Kee Chaing. "At the same time, projects rolled out via the PDD living lab programme will provide new insights for government agencies to develop technical and policy frameworks to support the adoption of innovations."



SIT students will be able to use the Spot robot to develop robotics solutions for PDD.

Learning Beyond the Book

Well ahead of PDD's official opening in 2024, the university is already knee-deep in collaborating with industry players. One of it is dConstruct, a local start-up that prides itself on creating autonomous solutions that make robots smarter and at the same time easier to use. The two entities are looking to create self-driving robotic solutions that improve campus experiences such as last-mile delivery and smart campus management. Technologies being developed include autonomous scanning – where robots scan and construct digital twins of facilities like a campus with minimal intervention.

By working with dConstruct's proprietary software programming tool and agile mobile robots, SIT students will get to go beyond putting pen to paper, and craft solutions that have real-world impact.

Crowdsourcing Ideas through Joint Challenges

Along with JTC and digital media company Target Media Culcreative (TMCC), SIT recently organised the "Beyond the Screen Ideation Challenge", which aimed to shape the future of communication in PDD by using digital screens to engage audiences, connect people, and form communities. The winning entry from an SIT student centres on a repository comprising a directory of nearby amenities, wayfinding, weather forecasts, and community news. There is even an entertainment function where one can play a quick game of tic-tac-toe with other users.

The other winning submission, which comes from the community, aims to utilise digital screens to help PDD's tenants and visitors keep their

fingers on the pulse of environmental sustainability. Up-to-date environmental news, seasonal foods that promote sustainable eating and green tips are among the information that will be showcased on the digital bulletin. These proposals are now being considered for implementation when PDD opens.

Making Industry Collaborations Engaging

Another successful partnership is the Bug Bounty 1.0 and 2.0 programmes, which saw participation from SIT, JTC, global cybersecurity company Group-IB, cybersecurity industry association Division Zero, and the Cybersecurity Agency of Singapore.

The programme allowed anyone working or interested in cybersecurity to test his or her hacking skills on real systems, identifying bugs and vulnerabilities, thereby enabling authentic learning.

Held over two years in July 2021 and August 2022, participants were invited to hack into two systems for the Bug Bounty programme – a smart lighting system and a mini-BMS system. It is a win-win situation: students could test their skills on real-world systems while cybersecurity companies could identify and address these vulnerabilities. System owners also benefitted from a strengthened operating system.

Facilitating Learning in Actual Work Environments

Besides collaborative initiatives, SIT also provides students and professionals with platforms to hone their skills, while also delivering benefits and results to companies in PDD that participate in these joint

efforts. Its Integrated Work Study Programme (IWSP) and work-study scheme enable a mix of work and study, integrating institution-based learning with structured on-the-job training. The IWSP gives undergraduates a valuable opportunity to transition into their future jobs. For companies in PDD, these arrangements also allow them to scout for and secure talent with the skills needed to make an immediate impact on their businesses.

The living labs will also be instrumental in boosting students' work readiness. Already, one such living lab is materialising. In July 2022, ENGIE, a global leader in low carbon energy and services, signed a Memorandum of Understanding (MoU) with SIT to jointly develop a District Cooling System (DCS) Centre of Excellence.

The ENGIE-SIT District Cooling System Centre of Excellence will serve as a training ground for SIT students to learn about DCS and aspects of maintenance and energy efficiency in real-world conditions. The centre is an extension of the campus' learning environment, complementing the collaborative research in cold thermal storage, air-side cooling distribution systems and cooling load management. Students, in turn, will acquire skillsets in data-driven optimisation, DCS decarbonisation and predictive maintenance. Local work attachment and commercial DCS development opportunities with ENGIE's entities will also be offered through the IWSP.

These collaborations exemplify SIT's efforts to adapt and change in an era of disruption. And being at PDD gives it a unique advantage where it can ensure that its curriculum and research projects are relevant and support the needs of ever-evolving industries.

This article was first published by JTC. JTC is a government agency under Singapore's Ministry of Trade and Industry that champions sustainable industrial development. Paving the way forward for Singapore's industrial landscape, it is developing infrastructure, systems and initiatives that bridge cutting-edge technology and human skill.

Strong Employment Outcomes and Starting Salaries for SIT's 2021 Graduates

More than 9 in 10 graduates were employed within six months of graduation, and 86% were employed in full-time permanent jobs - surpassing pre-pandemic levels - with improvements seen across sectors. The Class of 2021 also earned competitive salaries, with a mean gross monthly salary of \$3,755 and a median gross monthly salary of \$3,550



Class of 2021 graduates from the Singapore Institute of Technology (SIT) continue to be well-received by the industry. These results were unveiled in the annual Joint Autonomous Universities Graduate Employment Survey (JAUGES), conducted by SIT between 1 March and 14 May 2022. Of the 2,006 graduates across 33 degree programmes from SIT and its 10 Overseas University (OU) partners, 84.5%, or 1,695 graduates, took part in the survey.

Significant Employment Improvements for Graduates in COVID-19-hit Sectors

The survey showed that more than 9 in 10, or 95.6% of SIT fresh graduates in the labour force gained employment within six months of graduation. 86% secured full-time permanent (FTP) jobs, a

16.2% increase as compared to the previous cohort.

Significant recovery was observed for graduates in the tourism and built environment sectors which were heavily impacted by COVID-19. Hospitality Business, Civil Engineering and Sustainable Infrastructure Engineering (Building Services) graduates achieved FTP employment ranging from 80.3% to 96.1%, an improvement of between 11.5 to 32.4% from the previous cohort.

SIT graduates have remained highly sought after by industries with strong demand for skilled talent. The pioneer cohort of the Aircraft Systems Engineering programme, as well as graduates of the Information and Communications Technology (Information Security), Information and Communications Technology (Software Engineering), Marine Engineering, Naval

Architecture and Systems Engineering (ElectroMechanical Systems) programmes have achieved 100% employment. Graduates of the three SIT-conferred Allied Health programmes in Diagnostic Radiography, Occupational Therapy, and Radiation Therapy also achieved 100% employment, while those from the SIT-Trinity College Dublin Physiotherapy programme achieved 97.9% overall employment.

Healthy Starting Salaries, Surpassing Pre-Pandemic Levels

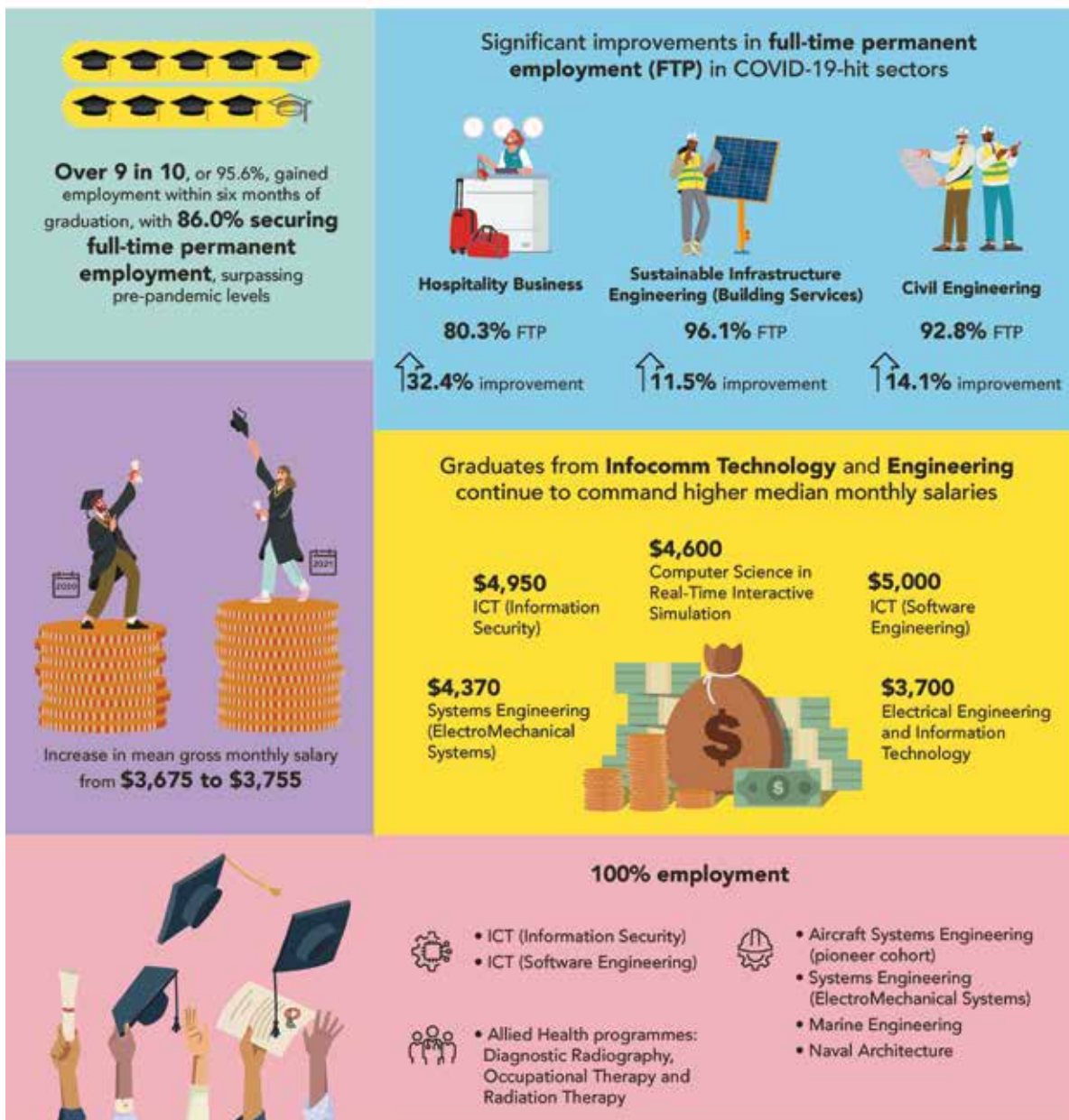
The survey also revealed that the starting salaries of SIT graduates exceeded pre-pandemic levels, with both mean and median gross monthly salaries at an all-time high.

The mean gross monthly salary of SIT graduates in FTP employment was \$3,755, an increase over the previous year's salary of \$3,675. The median gross monthly salary of graduates in FTP employment was \$3,550, up from \$3,500 in 2020.

SIT President Professor Chua Kee Chaing said: "We are heartened that the employment outcomes have rebounded and even exceeded pre-COVID levels. Employers continue to express confidence in our students through advance job offers, even before they graduate - a strong testament to our applied learning pedagogy and programmes."

This article first appeared in SIT's Digital Newsroom.

Class of 2021 Achieved Strong Employment Outcomes and Starting Salaries



Results based on the 2021 Joint Autonomous Universities Graduate Employment Survey (JAUGES), conducted by SIT between 1 March and 14 May 2022

IWSP Remains Salient in Giving Graduates a Head Start to Careers

One in two SIT graduates received job offers from their Integrated Work Study Programme (IWSP) companies before graduation, and of these, more than half accepted the offer. Built upon a solid foundation of industry collaborations, SIT's curriculum is designed to enhance students' industry readiness. Its signature IWSP exemplifies the best of university-industry collaboration, where students are immersed in the real working world for up to 12 months, allowing them to gain practical job skills and be workforce-ready. Since its inception in 2014, the IWSP has expanded to cover all SIT and joint degree programmes,

with over 1,400 students out in the industry for their work attachments in 2021.

This year's survey includes the inaugural batch of students from the Aircraft Systems Engineering (ASE) programme. Comprising an interdisciplinary curriculum developed in collaboration with SIA Engineering Company Limited (SIAEC) and with a focus on grooming talent for the aerospace and aircraft Maintenance, Repair and Overhaul (MRO) industries, the ASE programme features an eight-month IWSP at SIAEC for students to gain first-hand industry

experience in aircraft maintenance. In addition to the SIT-conferred degree upon completion of their studies, ASE graduates can also qualify for a Certificate of Recognition (CoR) by SIAEC, which certifies the successful completion of a SAR-147 Approved Basic Course, one of the key prerequisites for the award of an Aircraft Maintenance License.

Apart from the IWSP, SIT supports graduating students through its Centre for Career Readiness, which organises career success workshops, recruitment talks, career fairs and career coaching sessions.

First Year Experience 2022 Welcomes New SITizens in Person after 2-Year Hiatus

Over 2,800 freshmen gather at SIT@Dover for an unforgettable First-Year Experience (FYE) through a series of induction programmes



Welcome to your new home, SITizens!

New Academic Journey

Thanks to months of planning by more than 800 student organisers and facilitators, freshmen got to experience a series of induction programmes at the First-Year Experience (FYE) from 20-26 August 2022 - the University Life Club Fair, Day Zero, and Helix.

Rishab Sharma, a Year 2 Air Transport Management student and President of the FYE Exco said, "It has been two years since SIT organised a physical induction programme, and I see this as the start of a new academic journey."

University Life Club Fair

Held on 20 August, the University Life Club Fair gave freshmen a taste of SIT's vibrant university

life. Student organisations and SIT divisions put together more than 100 exhibition booths, and participants were treated to 40 student performances and workshops.

The inaugural 'Fireside Chat with Adult Learners' attracted 37 adult learners, who got an opportunity to hear from Assoc Prof Foo Yong Lim, Associate Provost (Academic Programmes), Assoc Prof Elaine Siow,



Prof John Thong chatting with students at the University Life Club Fair.



Freshmen visiting the exhibition booths by student organisations and SIT divisions.



Attendees at the inaugural 'Fireside Chat with Adult Learners'.

Asst Provost (Student Experience), Ms Zoe Peters, Director, Student Life, and current adult learner, Ms Tai Kit Ping from the Physiotherapy programme.

Participants exchanged stories about how they adjusted to the hectic pace of academic demands, how they communicated with the younger generation, and what they did to adapt to university life.

Day Zero

This year's Day Zero, held from 22 to 25 August, was an induction to SIT's unique applied learning pedagogy. It also provided a platform for purposeful interaction between first-year students, seniors, and faculty from the same programme.

Day Zero took place over seven sessions, covering five academic clusters, and included an inaugural panel discussion with industry partners, SIT senior management, faculty, and student representatives. Panelists shared their perspectives on current and future industry trends and the necessary skill sets students need to be industry ready.

Helix

To close the week-long orientation, freshmen had the opportunity to interact with each other and experience SIT's culture, values, and SITizen-DNA through Helix on 26 August. This programme was specially curated to encourage networking across SIT's clusters. Freshmen had a great time displaying their hidden talents through performances and making new friendships through various group activities.

Freshman Kairos El Varro from the Physiotherapy programme said, "I entered FYE with a mindset to meet new faces in a new environment. University life is different from pre-tertiary institutions because it is where we will learn and be trained to progress into the workforce. I'm glad that through FYE, I got to meet like-minded friends that I might potentially work with in the future."

This article first appeared in SIT's Digital Newsroom.



Prof Chua Kee Chaing, President, SIT (centre) at the morning session for the Infocomm Technology Academic Cluster at Day Zero.



Freshmen getting into the spirit of things at Helix.



The Class of 2022 comprises 960 graduates from SIT-Conferred programmes, 958 graduates from SIT-overseas university joint programmes, and 323 graduates from degrees conferred by SIT-OU partners.

SIT Celebrates the Graduation of its Largest Cohort to-date

A record number of over 2,200 graduates for the Class of 2022, including the pioneer cohort of Air Transport Management graduates and SIT's first Honorary Graduate

The Singapore Institute of Technology (SIT) celebrated the achievements of the Class of 2022 with its Graduation Ceremonies from 12 to 14 October 2022. Deputy Prime Minister and Minister for Finance, Mr Lawrence Wong, graced the main graduation session held at The Theatre at MediaCorp on 13 October 2022.

This year, over 2,200 graduates from 47 undergraduate and postgraduate programmes were conferred their degree scrolls. The Class of 2022 is made up of 960 graduates from SIT-conferred programmes, 958 graduates from SIT-overseas university (OU) joint programmes, and 323 graduates from degrees conferred by SIT-OU partners.



Mr Lawrence Wong, Deputy Prime Minister and Minister for Finance, graced the event as Guest-of-Honour.

Pioneer Cohort of Air Transport Management Graduates

The occasion marked the graduation of the inaugural cohort of 52 students from

the **Air Transport Management (ATM)** degree programme. The first of its kind by an autonomous university in Singapore, the three-year Bachelor's Degree with Honours programme is developed in collaboration with the Civil Aviation Authority of Singapore (CAAS) and other key members of the aviation industry.

The ATM programme aims to produce future-ready professionals for the Singapore air transport sector. Under SIT's flagship Integrated Work Study Programme (IWSP), ATM students undergo an eight-month work attachment at airlines, airports, ground handlers, freight agencies and travel technology firms, where they gain practical knowledge and skills in the analytical, business, management, operations and strategic aspects of the air transport industry.

The pioneer cohort of ATM graduates will further strengthen the pipeline of skilled aviation professionals and address manpower needs within the industry, especially with the upcoming Changi Airport's Terminal 5 project. According to the University's preliminary employment survey, 63% of ATM graduates secured employment within one month of completing their studies in companies including SATS, Changi Airport Group, Singapore Airlines and Jetstar Asia Airways. 90% of them received an advance offer from SIT's industry partners following their IWSP.

Pioneer Graduates from MSc Civil Engineering and SIT-UofG Joint Degree Programmes

SIT also celebrated its first batch of 17 graduates from the Master of Science in Civil Engineering programme conferred by SIT, as well as 226 graduates from the SIT-University of Glasgow (UofG) joint degree programmes in Aerospace Engineering, Mechanical Engineering and Computing Science.

Customised to suit working professionals' needs, the MSc Civil Engineering programme is designed to equip engineers with specialised and advanced technical and practical skills to support the industry in addressing complex civil engineering problems in creative and sustainable ways. The three SIT-UofG joint programmes, co-developed and co-taught by both universities, focus on emerging technologies that reshape business models and strategies in the Engineering and ICT sectors.

SIT Confers First Honorary Graduate

This year's graduation ceremony also saw the conferment of the Honorary Degree of Doctor of Letters for the first time. The recipient is Mr Ng Yat Chung, founding Chairman of SIT's Board



Mr Bill Chang, Chairman, Board of Trustees, SIT (left), presented the Honorary Degree to Dr Ng Yat Chung.

of Trustees. During his tenure from September 2009 to March 2022, Mr Ng steered the growth and development of SIT as the first university of applied learning in Singapore. He was a strong proponent of the University's applied learning pedagogy, placing strong emphasis on practice-oriented learning, industry partnerships and the integration of work and study in the curriculum.

Furthermore, Mr Ng cemented SIT's forward-looking vision by guiding several initiatives. These included the provision of upskilling opportunities for industry practitioners through the University's Continuing Education and Training programmes and advocating for SIT's consolidated campus that is being built in the Punggol Digital District.

SIT President Professor Chua Kee Chaing said, "We thank Mr Ng for his remarkable contributions and the strong foundations he has laid to support SIT's development as a pioneer of Singapore's applied learning pathway in university education. At the heart of the holistic education that our students receive is our applied learning pedagogy that pushes them to learn off real-world problems. Through our industry-relevant programmes and the IWSP, we hope to continue nurturing the talent pipeline needed by the

various economic sectors in Singapore. It has been encouraging to see employment outcomes surpassing pre-pandemic levels."



Prof Chua Kee Chaing, President, SIT, delivered his welcome address at the graduation ceremony.

Career Prospects of SIT Graduates

According to SIT's preliminary employment survey, two-thirds of its Class of 2022 graduates who responded to the survey have found employment after completing their studies. In particular, graduates from Infocomm Technology, Pharmaceutical Engineering, Sustainable Infrastructure Engineering, and Healthcare programmes (Diagnostic Radiography, Radiation Therapy, Nursing, Occupational Therapy, and Physiotherapy) secured between 90-100% employment.

This article first appeared in SIT's Digital Newsroom.

Graduating Cohort Pioneers Annual Class Giving Tradition at SIT

The Class of 2022 has a special place in SIT history - being the 10th graduating cohort and the first to launch an annual class giving drive to support their juniors

"\$20.22 for 2022!" That call, made by 30 SITizens from this year's graduating class, is to encourage their peers to support **Class Giving 2022**. The idea is to commemorate their graduation year by making a gift of \$20.22 to support the **SIT Bursary** for their juniors who are most in need of financial aid. Valued at \$3,000 each, the SIT Bursary will go some way in covering the recipients' living or study expenses.

Thanks to these Class Giving Champions, Class Giving 2022 has raised almost three SIT Bursaries from 221 donors thus far - and the campaign is still ongoing.

At the graduation dinner held on 15 October 2022, Professor Chua Kee Chaing, President, SIT, said that while the SIT Bursary had been supported by SIT faculty and staff, as well as corporate and individual donors since 2014, he was "very proud to see how the Class of 2022 is trailblazing the tradition of Class Giving at SIT".

"Our graduates are young, and their resources are limited, so it is not really how much they give that matters. Rather, what is important is how they are coming forward to help ensure that the educational opportunities they have had at SIT continue to be within reach for their



juniors," he said. "I am confident that the Class of 2022 will lead all the graduating cohorts after them to make Class Giving a strong tradition at SIT," he added.

In fact, most of the 30 Class Giving Champions have been scholarship recipients at SIT. Among them is Ms Lim Wan Ting, a graduate from the Bachelor of Science with Honours in Air Transport Management (SIT). She says: "'Being aware of my own financial predicament as a student, I am especially thankful and blessed to have SIT as a strong support system that is constantly

championing my success through its various forms of financial aids. While everyone is fighting their own tooth and nail to bring themselves to where they are today, a little bit of contribution can help ease the struggles and adversities that our fellow SITizens face. The ability to give is a gift itself."

Wilson Lee Kian Yi, a Class Giving Champion from SIT's Bachelor of Engineering with Honours in Telematics (Intelligent Transportation Systems Engineering) degree programme, says: "During my journey in SIT, I had experienced financial problems and SIT offered me support through the SIT Bursary and The Student Relief Fund at SIT (COVID-19)." He also says: "Remember that the happiest people are not those getting more, but those giving more. So, I hope my contributing back can help provide fellow SITizens with the support they need."





Prof Chua Kee Chaing, President, SIT, (fourth from left) together with some recipients of the SIT Bursary who showed up to thank the faculty and staff who nurture them.



SIT colleagues enjoying the beverages and the local delights during the event.

Our Hearts Take Them Further

In the first five months since the Faculty & Staff Giving Roadshow 2022, 57 SIT employees have together made possible 21 SIT Bursaries for the new Academic Year, as well as supported the Student Relief Fund@SIT (COVID-19) and AdventureLearn

On 21 July 2022, close to 200 SIT employees turned up at the Academic Plaza at SIT@Dover to support the Faculty & Staff Giving Roadshow. This was the first time that SIT faculty and staff were able to gather for the Roadshow since the pandemic restrictions were lifted and it was also an opportunity for them to meet with SIT Bursary recipients. Prof Chua Kee Chaing, President, SIT, was also present to show his support and speak with the recipients.

Delicious local treats like laksa, roti prata and ice-cream sandwiches were served during the cosy lunchtime event and staff also delighted in playing childhood games like snakes and ladders, five stones and chapteh.

Final-year Computer Science and Game Design student Chiang Jun Ming, who received the SIT

Bursary in AY 2021/22, says the Bursary enabled him to pay for internet access when he needed to study or work from home, cover everyday expenses such as food and stationery, and “study with no worries”. He adds, “I hope to be able to get a job I enjoy after graduation and repay my parents for supporting me.”

Since the roadshow up to end 2022, 57 colleagues had made gifts to support SIT students through the SIT Bursary, Student Relief Fund @ SIT (COVID-19) and AdventureLearn, a holistic student development platform aimed at helping students learn better. Thanks to support from faculty and staff, SIT will be able to award 21 SIT Bursaries (valued at \$3,000 each) thus far to financially disadvantaged students in this Academic Year 2022/23 - and counting - while also providing support for the other two funds. A round-the-year-effort kicked off by the Roadshow, the Faculty & Staff Giving initiative is ongoing.



SIT faculty and staff have been supporting the Faculty & Staff Giving initiative at SIT since 2015.

SIT Launches Singapore's First Competency-based Stackable Micro-credential Pathway

MoUs signed with NCS, Singtel, Singapore Computer Society and three polytechnics to upskill and reskill ICT sector workforce

The Singapore Institute of Technology (SIT) inked Memoranda of Understanding (MoUs) with three industry partners and three polytechnics on 28 November 2022, aimed at providing upgrading pathways for in-employment learners. They include NCS, Singtel, Singapore Computer Society, Nanyang Polytechnic, Singapore Polytechnic and Temasek Polytechnic. Mr Chan Chun Sing, Minister for Education, graced the MoU signing ceremony held at the Arts House.

The collaborations will see the university piloting a new Competency-based Stackable Micro-credential (CSM) pathway through its existing degree programme in Bachelor of Science with Honours in Applied Computing tentatively in the later half of the academic year 2023/2024. The CSM pathway could be expanded to more degree programmes in future.

Each micro-credential is attained through a short programme of study and/or workplace learning that culminates with demonstrated mastery of competencies in a

particular area. The CSM pathway is targeted at working adults who would like to upskill or reskill themselves while remaining in full-time employment. This allows them to acquire new competencies to take on larger roles in their organisations or pivot to emerging technologies.

Minister Chan said, "The CSM is the first of its kind to be offered through a collaboration between an Autonomous University in Singapore and the polytechnics. Such just-in-time and flexible learning supplements existing recruitment, retention, and upskilling efforts - and will be key to the future of work. I hope more in-employment learners will be encouraged to take charge of their own lifelong learning journeys."

SIT President Professor Chua Kee Chaing said, "CSM provides an alternative pathway for working adults to continually upgrade themselves and stay relevant in the industry. Offering micro-credentials that are stackable towards a degree fulfils many working adults'

aspiration for a university education while providing flexible learning for them to attain competencies that better suit their job requirements or allow them to assume new job roles. This will contribute to much needed workforce transformation for industry, especially for roles that require deep technical skills such as artificial intelligence, cybersecurity, cloud computing and data analytics."

Features of the CSM Pathway

The micro-credentials offered under the CSM pathway are organised into competency blocks that cover competencies sought after by the industry. They aim to enable learners to perform a new or higher-level job role requiring greater competence. A typical micro-credential will take around four months to complete. This modality of learning supports lifelong learning and encourages adult learners to take up short, just-in-time training.

Learners can sign up for individual micro-credentials as required for their work. Those who aspire to gain a university education could stack up multiple micro-credentials and complete a capstone project to fulfil the requirements of an SIT degree.

With the competency-based approach, learners not only gain the knowledge and skills of a domain, but also gain the competence to apply these at work.

The competency-based approach facilitates the recognition of a learner's formal and informal prior learning such as work experience, portfolios and industry certificates. SIT is in discussion with the polytechnics to align and recognise some of their Advanced Diplomas and Specialist Diplomas as qualified micro-credentials. More details will be announced later.

To ensure industry relevance, SIT is working with Singtel and NCS to design the curriculum. SIT anticipates an initial cohort of close to 150 learners coming on board the CSM pathway in support of workforce transformation and training.

This article first appeared in SIT's Digital Newsroom.



Key representatives at the CSM pathway MoU signing ceremony on 28 November 2022.

Back row: (From left) Mr Tan Wee Beng, Deputy Chief Executive (Operations and Regulation), SkillsFuture Singapore; Mr Bill Chang, Chairman, Board of Trustees, SIT; Mr Chan Chun Sing, Minister for Education; Prof Chua Kee Chaing, President, SIT; and Mr Terence Chia, Acting Assistant Chief Executive (Corporate), Infocomm Media Development Authority.

Front row: (From left) Ms Jeanne Liew, Principal & CEO, Nanyang Polytechnic; Mr Soh Wai Wah, President & CEO, Singapore Polytechnic; Mr Peter Lam, President & CEO, Temasek Polytechnic; Prof John Thong, Deputy President (Academic) & Provost, SIT; Mr Gerard Koh, Vice President, People & Culture, National Computer Systems; Mr Sam Liew, President, Singapore Computer Society; and Mr Charlton Ong, Vice President, People & Culture, Group Enterprise & Singtel.

ENGIE and SIT Announce Partnership to Advance District Cooling Across Southeast Asia

Symbiotic collaboration will enable applied research, authentic learning spaces for SIT students, co-development of curriculum content, and knowledge sharing sessions for industry and community



An MoU signing ceremony was held in Singapore, attended by key representatives including (seated, from left) Mr Kong Nee Yeo, Managing Director, ENGIE Services, Singapore; Mr Jared Chng, Chief Financial Officer, ENGIE South East Asia; Ms Adeline Duterque, Director, ENGIE Lab CRIGEN; Prof Chua Kee Chaing, President, SIT; Mr Olivier Sala, Group Vice President Research and Innovation, ENGIE; and Mr Loic Villocel, Director, ENGIE Lab Singapore. *Photo courtesy of ENGIE.*

ENGIE, a global leader in low carbon energy and services, and the Singapore Institute of Technology (SIT), Singapore's first university of applied learning, have inked a Memorandum of Understanding (MoU) to jointly develop a district cooling centre of excellence in Singapore.

The ENGIE-SIT District Cooling Centre of Excellence will catalyse innovation in cooling solutions across APAC. Leveraging ENGIE's local and global expertise in cooling, extensive experience in decarbonization, energy and climate change projects, and SIT's applied learning and research approach, this initiative is aimed at cultivating a district cooling ecosystem in Singapore and the broader region. To this end, the partnership will include joint development and funding of applied research, as well as knowledge exchange projects between ENGIE South East Asia, ENGIE Lab Singapore and SIT. It will also cover local work attachment opportunities and commercial DCS development opportunities for SIT students with these ENGIE entities,

through SIT's Integrated Work Study Programme (IWSP).

"Well designed, District Cooling solutions have the capacity to save 30% or more energy consumption to cool Southeast Asia's cities. Our relationship with SIT will not only allow us to train the future generation of engineers on this cornerstone technology for the region's energy transition but also to perfect it through a joint applied R&D effort. ENGIE is proud to embark on this strategic partnership with SIT," commented Thomas Baudlot, ENGIE CEO Energy Solutions and Country Head for Southeast Asia.

"We are thrilled to be collaborating with Singapore's premier university of applied learning, SIT, to create a test-bed for the development and pilot deployment of advanced district cooling solutions," shared Loic Villocel, Director of ENGIE Lab Singapore.

"SIT's new campus will be a living lab for applied learning and research in the built environment

and energy resilience. Working with leading energy solutions provider ENGIE will help us advance innovation in decarbonization and sustainability, and achieve our vision of constructing a green campus in Punggol. In addition to co-developing integrated and innovative solutions, the close, symbiotic partnership we enjoy with ENGIE will enable us to build a strong talent pipeline of work-ready graduates who will lead green transformations in industry and communities," remarked SIT President, Prof Chua Kee Chaing.

Designed and built by ENGIE, SIT's DCS for its upcoming campus in Punggol Digital District is well underway. Once completed, the DCS facility will provide a teaching and training ground for students to learn about DCS and aspects of maintenance and energy efficiency in real-world conditions. The DCS will extend the Punggol campus' learning environment, complementing the collaborative research in cold thermal storage, air-side cooling distribution systems and cooling load management to be carried out there. As a result, SIT students will pick up skillsets in data-driven optimization, DCS decarbonization and predictive maintenance learning from the new campus' infrastructure. SIT's Punggol campus is expected to start operations in 2024 and will consolidate the university's distributed campuses into one fit-for-purpose yet porous campus that will foster interaction between academia, industry and the community.

This article first appeared in SIT's Digital Newsroom.

InnoHub: Supporting Companies' Innovation Journeys from Scratch to Hatch

A one-stop centre for innovation at the Singapore Institute of Technology is offering services to drive innovation in the industry, from ideation to co-development of new or improved solutions as well as test-bedding



InnoHub, helmed by SIT's Assoc Prof Ivan Lee (back row, sixth from left), comprises four innovation centres.

Innovation can be achieved with major breakthroughs or more often through improvements that can lead to the introduction of new products, processes, designs, business models or services – and a university in Singapore is taking comprehensive steps to play an integral role in catalysing innovation in the industry.

The Singapore Institute of Technology (SIT) set up the Innovation Hub, also known as **InnoHub**, early this year to provide an integrated end-to-end innovation infrastructure that helps businesses drive innovation, from ideation to product development and sample production for market testing, prior to scaling up.

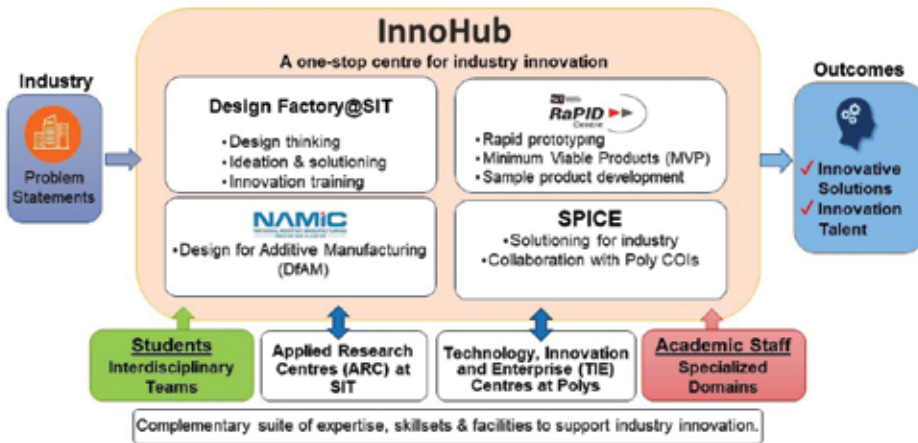
“The idea is to provide integrated solutions to multidisciplinary problems and journey with the industry in their innovation pursuits,” says Associate Professor Ivan Lee, SIT's Vice President for Innovation, who helms InnoHub as its head.

Encompassing four innovation-focused centres, the InnoHub aims to be a one-stop centre for industry innovation. The innovation centres include the Design Factory@SIT (DF@SIT), the Rapid Product Innovation and Development (RaPID) Centre, the SIT-Poly Innovation Centre of Excellence (SPICE), and the National Additive Manufacturing Innovation Cluster (NAMIC) Hub@SIT.

Driving Innovation in an Open Ecosystem

As a one-stop centre, InnoHub drives innovation by ideating and co-developing innovative and commercially viable solutions with industry, pooling together domain experts who possess deep industry know-how as well as facilities and capabilities across different disciplines to provide an integrated innovation infrastructure.

This is exemplified by the **Design Factory@SIT (DF@SIT)** which supports businesses in improving their values through human-centric designs that solve real-world problems. Through design innovation and experimentation,



InnoHub – An integrated innovation infrastructure to support industry innovation.

DF@SIT co-creates unique value propositions with companies to improve their business models, products, processes, designs and/or services.

Meanwhile, the **Rapid Product Innovation and Development (RaPID) Centre** offers speedy and flexible prototyping and sample product development capabilities. For example, it recently collaborated with a local company to develop a solution to deter birds from picking food scraps off dustbins. The RaPID centre provided core capabilities in engineering design, systems integration and iterative development to enhance the realisation of the idea. Further refinements to the prototype were made until it was proven workable for scaling up.

Likewise, the **National Additive Manufacturing Innovation Cluster (NAMIC) Hub@SIT** will co-develop advanced additive manufacturing (such as 3D printing) technologies for industry test-bedding and adoption. NAMIC offers a range of services including AI-driven generative designs, structural topology optimisation and pilot production to enable the industry to innovate with speed and efficiency.

The **SIT-Poly Innovation Centre of Excellence (SPICE)** provides small and medium-sized enterprises (SMEs) with access to expertise, facilities and equipment, and a diverse talent pool within SIT and across the various Centres of Innovation at the Polytechnics to

help them develop new products and services. Tapping on SIT's and the Polytechnics' existing resources reduces the risks associated with early-stage investments, and allows them to focus on creating the right products for the right problems.

Companies can engage the innovation centres as required. A recent example saw both DF@SIT and RaPID Centre collaborating with a logistics company to design and develop an improved climate-controlled storage unit. Such storage solutions have been invaluable for storing medications and food supplies amid the global supply chain disruption challenges.

Driving innovation in an open ecosystem, InnoHub also extends its network of innovation partners to include SIT's Applied Research Centres and other external collaborators. Leveraging this, InnoHub coordinates the required resources and capabilities to undertake more extensive and multi-disciplinary projects with industry, traversing across the ecosystem's value chain.

Developing Catalysts for Transformation

Beyond gaining access to academic staff and students, companies will be able to access a pool of upcoming graduates who have gained practical experience and innovation skills by working on industry projects.

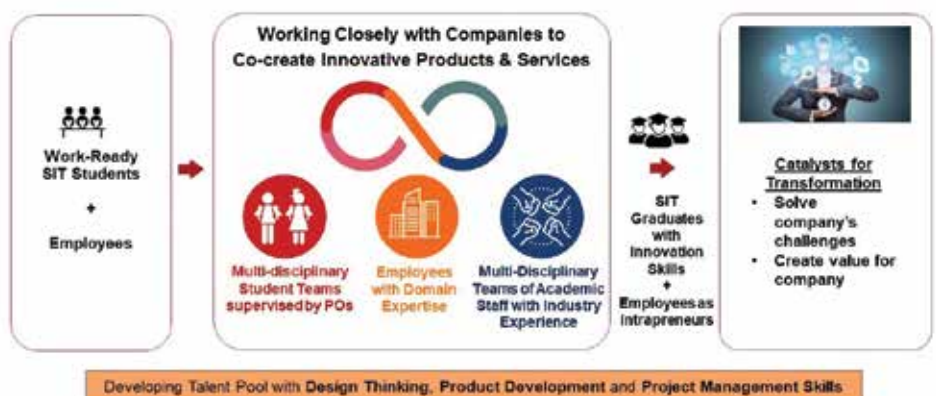
These graduates form a talent pipeline of innovators and value creators for the companies. By working together with the hub and its ecosystem of partners on innovation projects, the companies' employees will also deepen their technical skills and acquire innovation skillsets to catalyse and support business transformations.

InnoHub is rolling out structured innovation programmes to train employees of interested companies on practical innovation skills by working on company-specific projects. The trainees will learn the relevant product development methodology and innovation skills that will help to catalyse innovation in their companies.

"Through InnoHub, SIT will work with industry to co-develop and adopt innovative solutions facilitated by our industry-friendly intellectual property (IP) policies. We will also train the companies' employees in technical and innovation skills to support their business transformation plans", says A/Prof Lee.

Companies can reach out to the team at innohub@singaporetech.edu.sg to innovate or attend structured innovation programmes.

This article first appeared in GovInsider.



Nurturing a talent pipeline of innovators and value creators for the industry.



From left: Asst Profs Cheryl Lian and Frank Guan with SITizens on board a ferry bound to Suomenlinna for a day trip during their visit to Finland in May 2022. Photo courtesy of Frank Guan.

DOSIS Project: Deepening Applied Research Collaboration

A three-year applied research project between SIT and a Finnish university surmounted pandemic challenges to turn into a long-term partnership

It was a serendipitous meeting halfway across the world that kickstarted the collaboration between the Singapore Institute of Technology (SIT) and Metropolia University of Applied Sciences in Helsinki.

When Eija Metsälä, a faculty member from Metropolia University of Applied Sciences, Finland, met a SIT faculty member at the European Congress of Radiology in 2019, she mooted the idea of a potential partnership between SIT and Metropolia University of Applied Sciences. The intent was to give students the opportunity to go on overseas student exchanges to get worldly perspectives through an education grant. Assistant Professor Frank Guan from SIT's Infocomm Technology (ICT) cluster and Assistant Professor Cheryl Lian from the Health and Social Sciences (HSS) cluster saw the potential in research collaboration and pursued the partnership.

Titled the "DOSIS (Artificial Intelligence (AI)-based solutions in dose management) project", the cross-university partnership focused on reviewing research on the applications of artificial intelligence (AI) to dose management in medical radiation imaging and radiation

treatment. This multidisciplinary applied research project was funded by the Finnish Education Ministry and involved SIT's academic staff and a group of 10 SIT undergraduates.

Intensive Virtual Interactions

Adopting a co-creative teaching and learning pedagogic process, a team of 17 ICT and radiography students from both universities worked together under the tutelage of five faculty members.

Co-creative learning is a pedagogic approach engaging students in taking responsibility for their own and fellow students' learning experience. This strategy combines student, lecturer and area of expertise to create the best learning environment for the student. The faculty taught students academic writing where they were exposed to a range of peer-reviewed literature. They reviewed information presented in the research and new knowledge streams were created in the process.

The three-year collaboration, which started in 2019, yielded a prolific output including four peer-reviewed journal publications, two

conference posters, as well as two oral conference presentations at the 2022 International World Congress of Medical Physics and Biomedical Engineering held at Sands Expo & Convention Centre, Singapore. The success of the DOSIS project also led to the development of a pedagogical framework that was shared at the Applied Learning Conference hosted by SIT earlier this year.

Surging Forward with Mutual Benefits

Given the success of DOSIS, both institutions decided to bring their partnership to the next level by formalising relations through a five-year Memorandum of Understanding signed on 5 October 2022. This new chapter in the relationship promises multiple benefits for faculty and students on both sides, broadly covering the areas of educational exchange, student internships and joint research.

Working on a new applied research project, students and faculty from both universities will work with healthcare and health technology firms on small-scale R&D projects.

SIT students can look forward to further collaborations on research projects supervised by faculty members from the two universities. The possible option of taking credit-earning study modules taught by Metropolia University lecturers is also being explored. Additionally, Integrated Work Study Programme (IWSP) opportunities with Singapore and Finnish companies specialising in healthcare technology solutions are in the pipeline. SIT students selected for Overseas IWSP will be attached to Finnish healthcare and health technology firms for up to 12 months.

"This is like an improved version of the DOSIS project, with the partnership expanded to include industry players such as healthcare and health technology firms. Students could potentially work directly on industry projects in the form of literature study, trial testing or the development of a new technology," said Asst Prof Guan.

This article first appeared in SIT's Digital Newsroom.

From Lab to Rail: SMRT and SIT to Set Up Transport Living Lab to Solve Operational Issues

An extension of SMRT's engineering capabilities and resources, the Transport Living Lab will also provide an authentic learning environment for SIT students and academic staff to co-create land transport solutions



From left: Mr Bill Chang, Chairman, Board of Trustees, SIT; Prof Chua Kee Chaing, President, SIT; Mr Ngien Hoon Ping, Group CEO, SMRT Corporation; Mr Seah Moon Ming, Chairman, SMRT Corporation. Photo courtesy of SMRT Corporation.

SMRT Corporation Ltd (SMRT) and the Singapore Institute of Technology (SIT) have signed a Memorandum of Understanding (MoU) to strengthen their research and development collaboration for the advancement of Singapore's transport industry through engineering and technological innovation.

A highlight of the collaboration is the building of the SMRT-SIT Transport Living Lab (TLL), an extension of SMRT's Engineering group's capabilities and resources committed to providing solutions to the needs of the land transport industry. Through TLL, SIT students and academic staff will co-create solutions with SMRT engineers to address operational problems. The lab will leverage SMRT's experience as a public transport operator and SIT's engineering capabilities to develop and implement solutions for real-world problems. The timeline for these projects from commencement to implementation is targeted to be about a year. SIT undergraduates on their Integrated Work Study Programme (IWSP), as well as those working on their final-year capstone projects will gain opportunities to work on TLL projects.

Two TLL projects in the pipeline are: (a) Smart profiling of bus captains'

driving performance, which uses data analytics and leading indicators to identify bus captains for targeted retraining; and (b) Smart rostering of bus captains, which aims to optimise bus captain schedules to improve bus captain fatigue management and driving safety.

The SMRT-SIT collaboration will also explore applied research opportunities. These projects will take two or more years to complete. Projects being explored include those in condition-based and predictive rail maintenance, condition-monitoring of critical bus components for optimal life-cycle replacement, and the optimal mobile charging of electric vehicles.

Another key area of collaboration between SMRT and SIT under the MoU is the building of a learning ecosystem to continually deepen competencies of SIT academic staff, students and SMRT employees. Every year, SMRT receives approximately 15 to 20 interns from SIT. Interns who meet the requirements will be offered the opportunity to join SMRT as full-time staff, with their eight to 12-month IWSP counted as part of their full-time service in the company. This year, 12 out of 13 undergraduates accepted job offers from SMRT upon

completion of their IWSP. Moving forward, graduating students who join SMRT will also have the time spent in their SMRT-sponsored final-year project count towards their full-time work experience.

Under the MoU, SMRT and SIT will work towards enhancing the teaching and learning environments for staff of both organisations. SIT academic staff will have opportunities to be attached to SMRT to acquire up-to-date industry practices. Both SMRT and SIT will co-create a new Continuing Education pathway whereby SMRT employees with relevant engineering degrees who have obtained their Post Graduate Certificate in SIT can gain credit towards an industrial master's degree. When they complete a thesis on an industry research project related to SMRT, they can qualify for the Master of Engineering degree.

The MoU was signed on 4 November 2022 by Mr Ngien Hoon Ping, Group Chief Executive Officer of SMRT, and Professor Chua Kee Chaing, President of SIT, at the LTA-UITP Singapore International Transport Congress and Exhibition at Suntec Singapore. Witnessing the signing ceremony were Mr Seah Moon Ming, Chairman of SMRT, and Mr Bill Chang, Chairman of SIT's Board of Trustees.

This article first appeared in SIT's Digital Newsroom.

Nurturing Talents in Sustainable Infrastructure Engineering

To encourage excellence in learning, SMRT will continue to recognise outstanding students through the "SMRT Outstanding Student Award in Sustainable Infrastructure Engineering (Land)", which it has been supporting since 2018.

Additionally, SMRT Chairman, Mr Seah Moon Ming will set up the "Seah Moon Ming Yearly Performance Award in Sustainable Infrastructure Engineering (Land)" prize in his personal capacity, to be presented to the best first-year student in the programme from Academic Year 2022/2023.

A Winning Proposition for The Fintech Industry

On 2 November 2022, the Singapore Institute of Technology inked seven Memoranda of Understanding with reputable companies to jointly nurture fintech talents. The partnerships aim to strengthen the workforce through several initiatives, including work attachments for Applied Computing (Fintech) undergraduates and workplace learning opportunities

Following the launch of SIT's new programme, Bachelor of Science with Honours in Applied Computing with a specialisation in Fintech (BSc AC (Fintech)), earlier this year, the university has established partnerships with six financial institutions and an IT service provider on 2 November 2022 at the Singapore Fintech Festival. Seven Memoranda of Understanding (MoU) were inked with AIA Singapore, DBS Bank, Infosys, Oversea-Chinese Banking Corporation (OCBC), Prudential Singapore, Standard Chartered Bank and United Overseas Bank (UOB).

The partnerships signify their support to jointly develop current and future talents through a number of initiatives that cut across both Pre-Employment Training (PET) and Continuing Education and Training (CET).

Deepening Undergraduates' Learning Opportunities

Launched in partnership with the Infocomm Media Development Authority (IMDA) and the Monetary Authority of Singapore (MAS), the three-year BSc AC (Fintech) degree programme trains students in both technical skills and financial domain knowledge to position them for careers in high-growth financial technology areas. As a Work-Study Degree, the programme features an enriching 16-month work attachment over three years under the 'Term-In-Term-Out' (TITO) model. Students will alternate between spending one to two trimesters in university and at the workplace.



Key representatives at the MoU signing ceremony on 2 November 2022. Back row, from left: Mr Rupesh Mehta, Delivery Manager, Infosys; Mr Sylvester Lau, Head of Talent Acquisition, AIA Singapore; Mr Eric Ho, Executive Director, Talent Acquisition Group, DBS Bank; Prof John Thong, Deputy President (Academic) & Provost, SIT; Mr Kiren Kumar, Deputy Chief Executive of Development, Infocomm Media Development Authority; Mr Kenneth Gan, Vice President, Group Human Resources, OCBC Bank.

Front row, from left: Mr Bryan Lim, Executive Director, Head of Group Talent and Development, UOB; Ms Neetha Nair, Head of Future-Ready Workforce, Prudential Singapore; Ms Gill Rees, Global Head of HR for Transformation, Technology and Operations, Standard Chartered Bank; Ms Gillian Tan, Assistant Managing Director of the Development and International Group, Monetary Authority of Singapore.

Through the MoU, SIT and the seven companies will co-develop the degree programme and enable work attachments and learning opportunities through the Integrated Work Study Programme (IWSP) and industrial projects. There will also be various opportunities for SIT students and faculty to participate in Fintech projects, where they will collaborate with industry partners to deliver integrated solutions that address business challenges.

Lifelong Learning through Workplace Learning Opportunities

In addition to enhancing undergraduates' learning, SIT and the companies will augment

in-employment learners' upskilling through workplace learning. The entities will explore programmes that include specialised training for professionals to keep up to date with the latest technologies, trends and practices

The War for Talent - An Insider's Perspective

The MoU signing ceremony was followed by an insightful talk on fintech talent acquisition and retention by Ms Gill Rees, Global Head of HR for Transformation, Technology and Operations, Standard Chartered Bank in the financial sector.

This article first appeared in SIT's Digital Newsroom.



The MoU was signed by Mr Brian Tan, Vice President, Applied Global Services and Regional President, Applied Materials Southeast Asia and Prof Chua Kee Chaing, SIT President, in the presence of Ms Tan Lee Sar, Managing Director, HR Business Regional Partner Lead, Applied Materials Southeast Asia and Mr Bernard Nee, Vice President (Industry & Community), SIT. SIT and Applied Materials will establish CET programmes for Applied Materials employees. *Photo courtesy of Applied Materials South East Asia.*

Applied Materials Teams Up with SIT to Support a Future-Ready Semiconductor Workforce

The two will work together in continuing education and training (CET) and local ecosystem capability building

Applied Materials South East Asia Pte. Ltd. has signed a Memorandum of Understanding (MoU) with the Singapore Institute of Technology (SIT) to develop and implement continuing education and training (CET) programmes for Applied Materials employees. The initiative underscores the importance of building and maintaining a future-ready talent pipeline in Singapore to serve the global semiconductor industry.

Applied Materials and SIT will offer customised learning programmes related to Industry 4.0 concepts, such as artificial intelligence, data engineering, the Internet of Things, machine learning and smart factory. The curriculum and duration of the programmes are customized to the needs of Applied Materials employees and include both short and long courses as well as stackable post-graduate modules, delivered by SIT academic staff.

“The semiconductor industry requires constant innovation, and investing in the development of our workforce is critical to maintaining

technology leadership,” said Mr Brian Tan, Vice President, Applied Global Services and Regional President, Applied Materials South East Asia. “We are excited to work with SIT and provide our employees with advanced knowledge and skillsets to keep inventing the future, in alignment with Singapore’s Manufacturing 2030 vision of becoming a global business, innovation and talent hub for advanced manufacturing.”

“Our collaboration with Applied Materials offers valuable opportunities for the company’s employees to equip themselves with knowledge of in-demand skills in areas such as artificial

intelligence and the Internet of Things. The programmes will tap on SIT’s strengths in applied learning and research, and will contribute towards capability building in the local semiconductor industry and across its ecosystem. SIT is delighted to support Applied Materials in this important workforce initiative,” said Professor Chua Kee Chaing, SIT President.

With a workforce of more than 2,500, Applied Materials South East Asia is the largest employer in Singapore’s semiconductor equipment industry. Applied Materials established its presence in Singapore more than 30 years ago with a small sales and service office that has grown to become a major manufacturing and operations hub supporting nearly all of the company’s business units and corporate functions. In 2019, Applied Materials received the Distinguished Partner in Progress Award from the Government of Singapore in recognition of the company’s outstanding contributions and commitment to the country.

This article first appeared in SIT’s Digital Newsroom.



Key representatives from Applied Materials South East Asia and Singapore Institute of Technology (SIT). *Photo courtesy of Applied Materials South East Asia.*

SIT Partners Rotary to Build Skilled Workforce in Chemicals and Energy Sector

The collaboration will take place on three fronts - workplace learning programmes for Rotary staff, internship opportunities for SIT students, and innovation projects. The company has also made a gift to nurture financially disadvantaged students at SIT through the Rotary Engineering Bursary

The Singapore Institute of Technology (SIT) signed a Memorandum of Understanding (MoU) with Rotary Engineering to collaborate and explore joint efforts and projects in education, workplace learning and innovation for the chemicals and energy industry. The MoU was signed at Rotary's 50th Anniversary Gala dinner on 22 July 2022, graced by Guest of Honour, Mr Tharman Shanmugaratnam, Senior Minister & Coordinating Minister for Social Policies. Rotary is a homegrown leading Engineering, Procurement, Construction (EPC) and maintenance service provider.

The collaboration will see both parties coming together to co-create training programmes to support Rotary's staff with relevant workplace learning and upskilling opportunities, including specialised training programmes to support the EPC sector.

One of the completed projects under this collaboration is the Rotary Management Programme (RMP), where Rotary project engineers undertake systemic training carried out in modules across the span of 15 months. The programme is curated by the National Centre of Excellence for Workplace Learning at SIT (NACE@SIT) and SIT's Professional Officers Division to support the career development of the engineers. A team of SIT academic staff and in-house Rotary specialists co-designed and delivered the RMP, tapping on industrial best practices and integrating it with practical case studies and multi-disciplinary project work of Rotary. Over 140 Rotary engineers attended the programme since it began in 2020.



An MoU was inked between Ms Grace Chia (left), Deputy Executive Chairman of Rotary Engineering and Prof Chua Kee Chaing (right), SIT President at Rotary's 50th Anniversary Gala dinner on 22 July 2022. *Photo courtesy of Rotary Engineering.*



Mr William Chia, Executive Director of Rotary, presented a cheque to Prof Chua to make possible the Rotary Engineering Bursary at SIT. *Photo courtesy of Rotary Engineering.*

Under the MoU, both parties aim to advance students' skills in the chemicals and energy sector by providing SIT students with internship and learning opportunities through SIT's Integrated Work Study Programme (IWSP) and Capstone Projects. SIT students and faculty members will also participate in relevant innovation projects and deliver integrated solutions to address business challenges.

At the Gala dinner, Mr William Chia, Executive Director of Rotary, presented donations to support various initiatives that benefitted the poor and underprivileged. This includes the Rotary Engineering Bursary which will benefit SIT undergraduates. Four bursaries, valued at \$5,000 each, will be awarded annually in Academic Years 2023/24 and 2024/25.

This article first appeared in SIT's Digital Newsroom.



(From left to right) Mr Ngiam Shih Chun, Chief Executive, Energy Market Authority; Prof Chua Kee Chaing, SIT President; Ms Low Yen Ling, Minister of State, Ministry of Trade and Industry & Ministry of Culture, Community and Youth; and Mr Stanley Huang, Group CEO of SP Group, at the MoU signing at Energy Innovation 2022. Photo courtesy of SP Group.

SIT Partners SP Group to Boost Engineering Talent and Advance Singapore's Energy Sector

MoU signed at Energy Innovation 2022 seeks to upskill more engineering talent with strategic three-year collaboration to supercharge expertise in the energy sector

The **Singapore Institute of Technology (SIT)** and **SP Group (SP)** are collaborating to enhance the capabilities of the power engineering workforce in Singapore. Through a three-year endeavour, SIT and SP will focus on upskilling and reskilling of SP's employees. Both organisations signed a Memorandum of Understanding (MoU) on 17 July 2022 at **Energy Innovation 2022**, organised by the Energy Market Authority (EMA).

As Singapore advances towards a sustainable energy future and its Smart Nation ambitions, it is crucial that local talents gain knowledge and skills to adapt and thrive in the evolving energy sector. To grow engineering talent pipeline and skillset for the energy sector, the SIT-SP partnership seeks to provide continuous skills upgrading pathways for SP employees through a full-time undergraduate degree in **Electrical Power Engineering**. Students will benefit from the Integrated Work Study Programme (IWSP) and Capstone Projects, which put theory into practice in real work situations. SIT and SP will provide students with workplace learning opportunities and innovation projects that address emerging needs of the energy industry.

Said Professor Chua Kee Chaing, SIT President: "This MoU underscores SIT's shared commitment with SP to upskill and reskill different generations of power engineers, to cater to new industry demands. As the demands of tomorrow continue to evolve, it calls for closer academia-industry partnerships with industry leaders like SP, and a work-study approach to better train work-ready professionals. As SIT continues to expand its footprint across industries to address these ever-changing needs, we welcome like-minded partners to join our efforts to upskill, reskill, and build the workforce of tomorrow."

Group Chief Executive Officer of SP Group, Stanley Huang, said, "We are pleased to launch the work-study programme with SIT, to help our workers upskill and adapt to the changing energy landscape. It enables them to pursue an engineering degree course full-time, while continuing in work roles during the course of their study and applying the knowledge they gain. This is part of SP Group's commitment to continuously develop our workforce for the needs of our industry and support our workers in contributing effectively."

Mr Ngiam Shih Chun, Chief Executive of EMA, said, "As Singapore advances our energy transition towards a more sustainable future, we will need to ensure that workers are equipped with relevant skillsets to take on new opportunities. EMA is supportive of such academia-industry partnerships in building up Singapore's manpower capabilities for the energy sector. We are heartened to note SP Group's strong emphasis and commitment on upskilling its employees. We hope this collaboration between SIT and SP Group will be the first of many such partnerships to come, to build a future-ready workforce that will propel Singapore's energy sector forward."

As a start, a pioneer cohort of SP employees will undertake a full-time three-year Electrical Power Engineering (EPE) undergraduate degree programme at SIT, starting in September 2022. The degree programme, jointly offered by SIT and Newcastle University, is specially customised to provide students with a holistic approach to learning while experiencing hands-on industry-focused activities.

As part of this pioneer cohort in September 2022, five SP employees will be onboarded as full-time students, where they will get to apply existing practices from the workplace, and hone their skills through actual work exposure made possible by SIT's unique applied learning pedagogy. SP will be sponsoring their studies as they pursue their career aspirations and grow their engineering capabilities.

This MoU is an extension of the ongoing partnership between SIT and SP over the past few years - which currently includes SP's investment in Singapore's first experimental, multi-energy microgrid at SIT's future campus in the Punggol Digital District, signaling a long-term commitment of both organisations' collective efforts to advance the energy sector in Singapore.

This article first appeared in SIT's Digital Newsroom.



Benefitting Charities



Prof Tan (middle) accepted the cheque on behalf of SIT, presented by the Ambassador of Ireland to Singapore Sarah McGrath (left) and Dr Stanley Quek (right).

A Night of Appreciation at the Emerald Ball

The Ireland Funds makes a donation to SIT to support Nursing and Allied Health students

The Singapore Institute of Technology (SIT) received a \$180,000 donation at the Emerald Ball, a black-tie event that took place on 12 November 2022 at The St. Regis Singapore. Gracing the occasion were SIT's senior management, faculty members and corporate staff.

The Emerald Ball is a fundraising dinner with live auctions hosted annually by The Ireland Funds Singapore. As an Institution of Public Character, The Ireland Funds Singapore is a beneficiary that helps to fund projects that will further develop and deepen the Singapore-Ireland relationship and deliver long-term benefits to the people of Singapore. With an interest in arts, culture, community relations, education and sports, The Ireland Funds has close relations with Singapore since the 1800s

and has supported over 1,300 charitable causes worldwide.

A Continuous Partnership

As Executive Chairman for Region Development Pte Ltd (SG), Dr Stanley Quek is a highly respected real estate developer who operates mainly in the UK, Singapore and Australia. At the Emerald Ball this year, he gifted \$100,000 to the Tan Mui Eng Bursary through the Ireland Funds Singapore, and facilitated another \$80,000 to establish The Ireland Funds (Singapore) Applied Research Grant at SIT. Accepting the cheques on behalf of SIT was Prof Tan Thiam Soon, Institute Professor.

SIT partners with The Ireland Funds Singapore and Dr Stanley Quek to support the Tan Mui

Eng Bursary, established in 2020. The bursary supports financially disadvantaged Singapore students in full-time Nursing or Allied Health undergraduate degree programmes. SIT students who qualify for the bursary can use it for their tuition fees, course materials, expenses for study trips and other educational activities organised by the university.

The Ireland Funds (Singapore) Applied Research Grant will be used to encourage applied research between SIT and educational institutions in Ireland.

Dr Quek's journey in promoting medical education, particularly in Ireland, is highly lauded. He has assisted the Irish Universities and Medical Schools Consortium in selecting and interviewing students from Singapore for medical studies in Trinity College Dublin, University College Dublin, University of Galway and University College Cork. For over 30 years, he persuaded more than 200 talented Singaporean students to enter Irish medical schools, screening students and shortlisting them for presentation to the school deans. Dr Quek believes that shared education is an effective tool for building trust and confidence between countries.

This article first appeared in SIT's HSS newsroom.

Sands Hospitality Scholarship Comes to SIT

14 Hospitality Business students to be supported through Scholarship



(From left) Mr Lim Peng Hun, Deputy Principal (Academic), Singapore Polytechnic; Ms Loh Chuu Yi, Deputy Principal (Academic), Nanyang Polytechnic; Prof Chua Kee Chaing, President, SIT; Mr Ron Reese, Senior Vice President of Global Communications and Corporate Affairs, Las Vegas Sands; Mr Alvin Tan, Minister of State for Trade & Industry; Mr Paul Town, Chief Operating Officer, Marina Bay Sands; Mr Lim Kok Kiang, Principal and Chief Executive Officer, Ngee Ann Polytechnic; Mr Peter Lam, Principal & CEO, Temasek Polytechnic and Dr Michael Koh, Deputy Principal, Academic Services, Republic Polytechnic at the event. *Photo courtesy of Marina Bay Sands.*

Talented students pursuing a full-time degree in the Singapore Institute of Technology's Hospitality Business degree programme can look forward to the Sands Hospitality Scholarship. Valued at \$30,000 each, the prestigious scholarship will be awarded over two years of study (for those who continue to meet the selection criteria) to 14 recipients with outstanding academic results and have made significant contributions to SIT or the larger community.

The Sands Hospitality Scholarship at SIT is part of the US\$1-million Sands Hospitality Scholarship programme unveiled by Las Vegas Sands and Marina Bay Sands at a signing ceremony held on 29 August 2022 that was witnessed by Minister of State for Trade & Industry Alvin Tan.

The Scholarship programme is a bond-free initiative that will benefit more than 100 Singaporean students pursuing hospitality or tourism-related courses of study at six Institutes of Higher Learning

(IHLs). Apart from SIT, the other IHLs are: Nanyang Polytechnic, Ngee Ann Polytechnic, Republic Polytechnic, Singapore Polytechnic, and Temasek Polytechnic.

Said Professor Chua Kee Chaing, President of Singapore Institute of Technology: "We thank Marina Bay Sands for making the Sands Hospitality Scholarship possible at the Singapore Institute of Technology (SIT). This prestigious Scholarship, tenable for the recipients' full course of studies, will enable SIT to nurture outstanding Hospitality Business talents. SIT's Bachelor of Hospitality Business with Honours degree is the first and only Hospitality programme offered by an Autonomous University in Singapore. I am confident that the Sands Hospitality Scholarship will create a multiplier effect in our efforts to nurture passionate, competitive and forward-thinking professionals for the hospitality sector of the future."

Mr Ron Reese, Senior Vice President of Global Communications and

Corporate Affairs, Las Vegas Sands, said: "The hospitality industry's greatest asset lies in its people, and developing hospitality talent is especially important as the sector undergoes rapid transformation. Singapore's resilient tourism industry is expected to grow robustly with international travel resuming. By investing in education to help youth establish careers in hospitality, we are supporting the future of our industry and Singapore's continued leadership as a top global travel destination."

Said Mr Paul Town, Marina Bay Sands' Chief Operating Officer: "As one of Singapore's largest hospitality players, Marina Bay Sands has had the privilege of creating thousands of jobs and developing careers for our Team Members in diverse roles. We are always on the lookout for the brightest talents to join us in our next stage of growth, and the scholarship is intended to encourage more to chart their paths in this burgeoning industry."

Relishing Excellence

Recognition of Excellence, one of the most joyous events on SIT's university calendar, returns with a bang in November with over 700 attendees gathering at SIT@Dover



For the first time in more than two years, recipients of student performance awards and scholarships at SIT were able to come together in a physical event on 17 November 2022 – with their loved ones, the donors who make possible their scholarships and awards, as well as SIT Faculty and Staff.

The Recognition of Excellence (ROE) had to take a break amid the COVID-19 restrictions, until the previous Academic Year (AY) 2021/22, when it went online. This year, a total of 77 Book Prizes, Outstanding Student Awards, Yearly Performance Awards and Gold Medals, as well as 198 Scholarships, were presented. This is not counting the 48 awards and prizes made possible by donors that were presented at SIT's graduation ceremonies in October 2022.



Prof Chua Kee Chaing, President, SIT, at the eighth Recognition of Excellence.

Addressing the donors in the audience, Prof Chua Kee Chaing, President, SIT, remarked that while ROE is a warm get-together to recognise student achievement, the event is just as much as a celebration SIT's donors. "While our appreciation is unquantifiable, I wish to share some numbers to give

you an idea of the impact you have made," he said, noting that the past eight years had seen SIT's donors making possible almost 8,000 bursaries, study grants, emergency grants, scholarships, and student excellence awards.

"These have gone a long way to level the playing field for many of our undergraduate students who come from less privileged backgrounds and are first in their families to attend university. During the last two years, donations into our COVID-19 Student Relief Fund have also helped the most vulnerable of our students tide over financial emergencies brought about by the pandemic," he added, before thanking the philanthropic community for also supporting SIT's experiential learning programmes and applied research that are critical in shaping the university's applied learning pedagogy and in informing its education programmes.

Said Prof Chua: "We sincerely thank you for supporting our students and faculty in the many ways that you have been doing and hope that you will continue to see value in helping us achieve our mission of maximising the potential of our learners."

The afternoon of celebration began with a virtual presentation of SIT's future campus in Punggol and a showcase of SIT's applied research projects by faculty and students. These were followed by the presentation of awards and scholarships, and later a mingling session over some light bites that allowed SIT's students, faculty, and staff to interact with donors and parents.



Recipients of the KKH Scholarship (top) and the Lee Foundation Food Technology Scholarship pose for a group photo with Prof Chua.



Prof John Thong, Deputy President (Academic) & Provost, started the afternoon with a warm welcome to guests.



Proud parents seizing the moment to capture a shot of their children onstage.



Ms Ashmita G, a Year 2 Air Transport Management student and recipient of the Kewalram Chanrai Group Scholarship, had the opportunity to share her university experience onstage, together with Chemical Engineering alumnus Mr Pearson Lim, the recipient of the Kaneto Foundation Outstanding Student Award in Chemical Engineering as well as the Singapore Chemical Industry Council Book Prize in Bachelor Thesis.



Middle row from left: Prof Tan Thiam Soon, Institute Professor, SIT, Prof Chua Kee Chaing, President, SIT, Mr Nagaraj Sivaram, Member, Board of Trustees, SIT, and Prof Yaacob Ibrahim, Director, CLASIC/ Professor, Office of the President, SIT, together with award and scholarship recipients.

She said, "Being part of ROE was a thrilling experience. Conducting the banter segment with Pearson in front of a huge crowd as well as celebrating my friend's successes are memories that I will cherish many years down the road. The whole ceremony felt like I was graduating. I am truly grateful to have received such an esteemed scholarship, and it has given me the strength to continue striving forward."



The Class of 2022 gathers for the first New Alumni Welcome Party after three years at Hard Rock Café Orchard!

Jolly Halloween for the Class of 2022

The New Alumni Welcome Party makes a comeback with best dressed prizes for this year's graduating class

For the past few years, the New Alumni Welcome Party has been on hiatus since the arrival of the COVID-19 pandemic - until now. With the easing of COVID-19 restrictions, the key event finally made its comeback on Friday, 28 October 2022, celebrating the graduation of the Class of 2022!

Attended by a total of 277 alumni, SIT senior management, OU Partners, faculty and staff, this was the first party held for the current graduating class since the previous event in 2019. With the event being held close to Halloween this year, party-goers were also encouraged to come in their best Halloween costumes and stand a chance to win attractive prizes.



Celebrating with friends over food and drinks, and getting into the spirit of Halloween with fun costumes and accessories!



▲ (Left to right) Amazing performances throughout the night by the SIT Muzeka Alumni Group, SIT Ballroom Alumni Group and veteran performers Jack and Rai.



◀ Lucky winners of the night:
 (Top: Left to right)
 - 1st prize: Mr Muhammad Amirun, winning an Apple Watch Series 8
 - 2nd prize: Mr Charnchai Fooyontphanich, winning a DJI Pocket 2 Gimbal Camera
 (Bottom: Left to right)
 - 3rd prize: Ms Stella Yeo, winning a Nintendo Switch OLED
 - 4th prize: Mr Eric Foo, winning Sennheiser Momentum True Wireless 3 Earbuds
 - 5th prize: Mr Tan Swee Kiat, winning a Bose Bluetooth Speaker.



► (Top: Left to right)
 A ninja, a "One Night Stand"

(Bottom: Left to right)
 Harry Potter, the Teletubbies and the robbers from Money Heist - just some of the many unique costumes from party-goers for Halloween!



◀ Party-goers bring back the traditional party train and rock out to exhilarating live music!

Sharing, Socialising, Mentoring

The SIT Alumni Mentoring Programme brings in more exciting events for its participants, with interactive activities and engaging sharing sessions.

22 June 2022: A Meeting of Mentoring Minds

The programme got back into the full swing of physical events with the Cycle 4 Mentor Get-Together. Alumni mentors gathered at The Working Class restaurant and bar to catch up and network over food and drinks as well as take the valuable opportunity to meet and hear from industry leaders. Mr Harry Wong, CEO & Co-Founder, NebulasTree, Ms Wendy Leow, Deputy Director, finexis advisory, and Mr Louis Khoo, Director, Kimly Construction,

were specially invited to share their expertise and experience in mentoring and leadership.

One key message of the night was the importance of communication in mentoring relationships. Mr Khoo encouraged the mentors to connect with their mentees on a “human” level, while Ms Leow spoke about how a good mentor has a good pair of listening ears and the ability to give direct feedback.

Aerospace Engineering Alumnus Mr Esmond Lim shared, “Getting to hang out with the other mentors was a great way to understand their experiences with their mentees and their takeaways, lessons and frustrations.” He added, “The industry speakers had great insights into leadership and mentorship, and their motivational points and thoughts were helpful too.”



(From second from left) Mr Harry Wong, CEO & Co-Founder, NebulasTree, Ms Wendy Leow, Deputy Director, finexis advisory, and Mr Louis Khoo, Director, Kimly Construction providing their insights during the Q&A segment.

1 September 2022: A Grand Appreciation

The Cycle 3 & 4 Appreciation Ceremony was held at the Atrium Ballroom at Parkroyal Collection Marina Bay Singapore. This was the programme's first big-scale event since the COVID-19 pandemic, with 42 alumni mentors and 59 student mentees in attendance.

The attendees enjoyed a delicious buffet dinner and networking as well as a "Flash Chat", an open-mic

sharing session where each person could take one minute to share their experience with the programme. Ms Evelyn Ng, a Food Technology student, said, "My mentor shared a lot of valuable knowledge, such as his relevant skills and experience in the food industry. As a mentee I have benefited a lot and really appreciate him as well as all the mentors for taking time to mentor us students."



September 2022 - March 2023: Quality Meet-Ups for Cycle 5

This latest Cycle saw a pairing up of 81 alumni mentors with 109 student mentees, the programme's highest participation so far. Over 40 mentors and 18 mentees were returnees to the programme. Cycle 5 kicked off with a First Meet-up on 6 October 2022, where the freshly matched mentors and mentees gathered at co-working space WeWork to discuss their preferred forms of communication and goals.

The participants also enjoyed a more light-hearted gathering on 6 December 2022 at The Mind Café, bonding over a variety of games such as Giant Jenga and Carla Cat. The event allowed them to get to know other mentors and mentees without the pressures of formal networking, even winning some group prizes along the way!



At WeWork, mentors and mentees could easily relax and move around to interact with each other, utilizing sofas, desks, or even pods for more privacy.



From building the tallest Jenga tower to not letting your mouse get caught, there's no better way to bond than over some fun games!

Having Fun in Person Again!

Starting from June 2022, SITizens are once again able to enjoy a flurry of physical events organised by the SIT Alumni Networks

WHISKEY MASTERCLASS 29 & 30 June 2022

GIN MASTERCLASS 15 September 2022

SIT Alumni Leisure Network

SITizens indulged in the exhilarating experience of alcohol appreciation at the Whiskey Masterclass and Gin Masterclass, held in June and September 2022 respectively.

The Whiskey Masterclass was conducted in two separate sessions on 29 and 30 June at The Single Cask, a cozy whiskey bar focusing on independent bottlers as well as the first Whisky Ambassador accredited venue in Singapore. Participants tasted four whiskey samples from different regions of Scotland and learnt about how the spirit is made and bottled.

The Gin Masterclass, held on 15 September, brought SITizens on a tour of the Brass Lion Distillery, a gin distillery house that focuses on using local, natural ingredients. Besides learning about the distillation process, participants also tasted a flight of three gins, as well as had a go at mixing their own Singapore Sling, a gin-based sling cocktail.



INDOOR GOLF 7 July 2022 SIT Alumni Sports Network



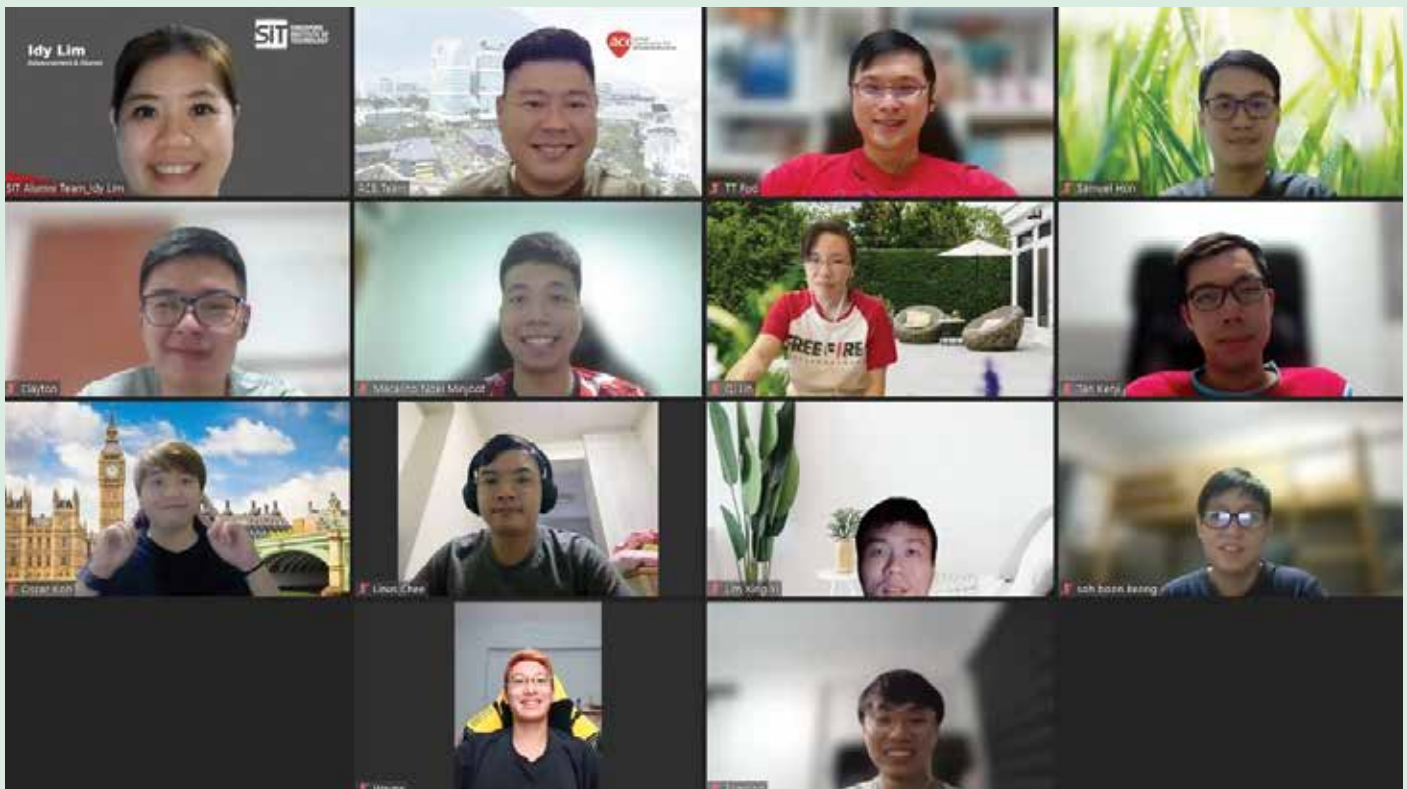
SIT Alumni gathered at The Par Club at Marina Square to practise their golf swing. This was the first experience on an indoor golf simulation course for a majority of the 40 attendees. Before trying out the putting green against the virtual backdrops, the attendees had a chance to experience the driving range first before moving on to the golf course. Of course, a target sport involves more than just good hand-eye coordination, but while the task seemed daunting, most of them eventually got into the groove and soon found themselves swinging like pros!

KEYCHAIN LIQUID FLOW BEAR WORKSHOP
21 July 2022
SIT Alumni Leisure Network



At the cozy L'Atelier Du Reve studio, SIT Alumni enjoyed a unique art jamming session, learning how to use paint and the acrylic pour technique to decorate a cute vinyl toy bear keychain. The process was simple - choose your preferred colours, combine them in a spoon, and start pouring! While each person was given an 8cm tall bear figurine to work with, participants also had the option to upgrade to larger sized figurines ranging from 19cm to 33cm tall.

ACEPIRATION - AN ENTREPRENEURSHIP JOURNEY
4 August 2022
SIT Alumni Career Network



What kind of resources are available for aspiring entrepreneurs? SITizens gathered online to attend ACEpiration - an Entrepreneurship Journey, a webinar which introduced participants to Action Community

for Entrepreneurship (ACE), a key trade association representing the interests of startups in Singapore. Participants learned about the importance of startups and their contribution to Singapore's economy and growth as a regional

innovation and entrepreneurship hub. The webinar also featured guest speaker Mr Foo Tuan Tong, co-founder of GaitMetrics Pte Ltd, who shared his personal entrepreneurship journey and how he started his current business.

BUNDLE DYEING SILK SCARF WORKSHOP

13 August 2022

SIT Alumni Leisure Network

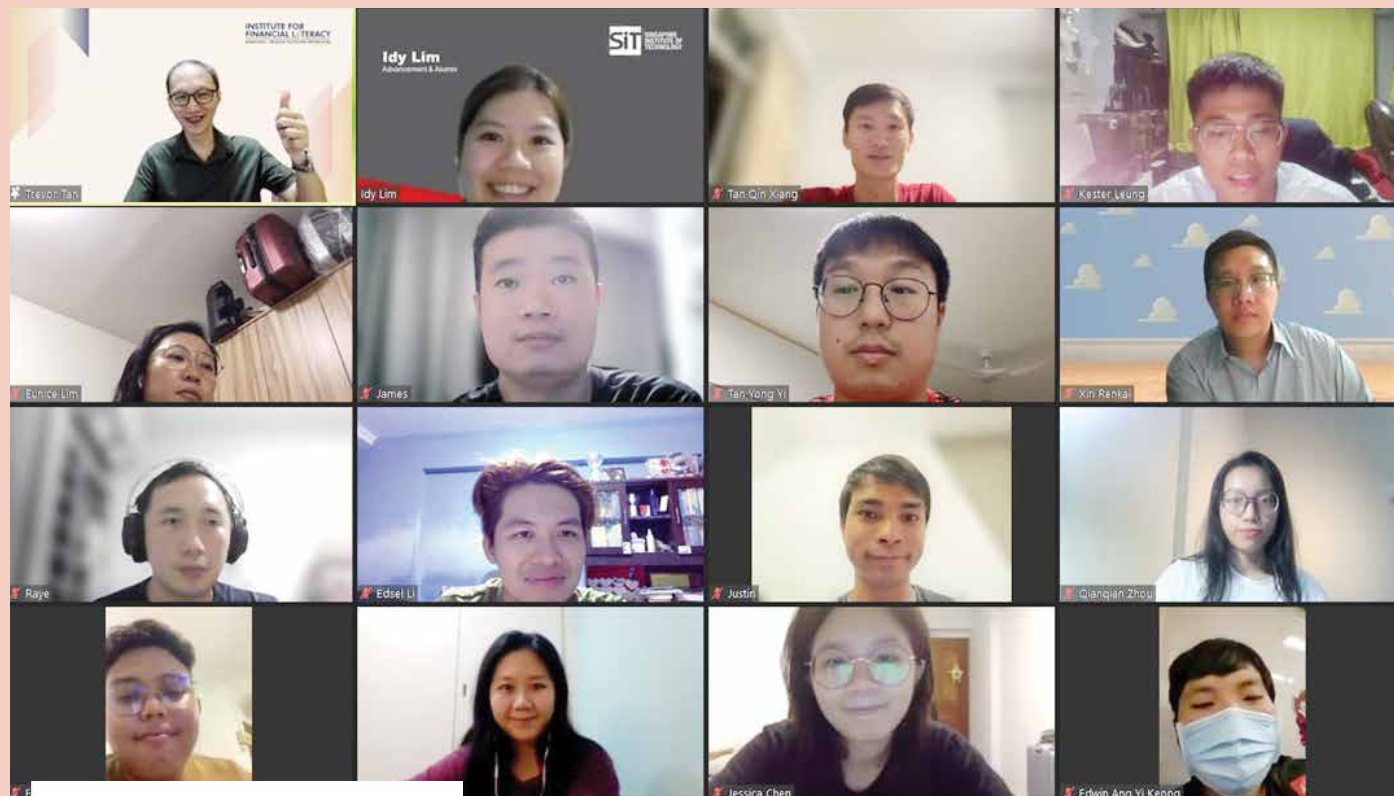


SIT alumni gathered at traditional fibre craft studio WithAutumn to try natural dyeing at the Bundle Dyeing Silk Scarf Workshop, led by Ms Autumn Brown. As the name suggests, natural dyeing uses dyes extracted from natural resources such as plants, herbs and even insects, resulting in beautiful colours. Each of the 36 participants were given a silk scarf to dye in their own unique style. Ms Brown also demonstrated how they could create speckled effects and other patterns using the selection of dried flowers and various extracts.

FINANCIAL LITERACY SERIES: UNDERSTANDING LOANS & CREDIT

5 October 2022

SIT Alumni Career Network



Group Discussion

Why Do People Borrow? Discuss.

- List all possible reasons
- Are these debts unavoidable or avoidable?

Go to www.mqetl.com and use the code 19 46 99 7

INSTITUTE FOR FINANCIAL LITERACY **moneySENSE**

How does credit work? What types of loans are available? Thirty-four SIT Alumni joined the latest instalment of the Financial Literacy Series - Understanding Loans & Credit, to get informed about common types of loans, their purposes, and associated costs.

Organised in collaboration with the Institute of Financial Literacy, this webinar also covered other loan-related topics such as credit card interest and debt ratios. Participants also had the opportunity to ask in-depth questions throughout the engaging and interactive session.

WOODEN MUSICAL BOX WORKSHOP
10 November 2022
SIT Alumni Leisure Network



Indulging in whimsical imagination mixed with the joy of handicrafts, SITizens succeeded at creating their very own customised music boxes at the Wooden Musical Box Workshop. Led by music box specialists Okdodoo and held

at JustCo@The Centrepoint, 39 participants were introduced to the history of the instrument and how it is made, getting a close-up look at the mechanisms used and its parts. Afterwards, they chose a variety of handcrafted ornamental pieces

to assemble their music box, with themes such as Family and Friends, Animals, and Underwater World, as well as a simple tune to complete the piece, with choices such as the classic Canon in D or anime themes from Spirited Away and Totoro.

SPIN CLASS 2
18 November 2022
SIT Alumni Sports Network



After an exciting first round back in May 2022, SIT Alumni were all ready to rush back into the studio for an adrenaline-pumping second round of Spin Class. This time, two sessions were held on Friday, 18 November 2022, to accommodate 76 participants at Absolute You @ Centrepoint. The participants were guided through an exhilarating 45-minute workout by high energy instructor Ms Tiong Jia En. Besides rhythmic cycling with choreography and full-body movements, the workout also incorporated weights to work the arms and upper body.



Back to the Movies

SIT Alumni make a beeline for the cinemas with the long-awaited return of the Alumni Leisure Network's signature movie events, Alumni Movie Night and Night@The Projector



Much like the titular character in *Top Gun: Maverick*, SITizens have made a comeback – as cinemagoers.

On Thursday, 2 June 2022, many months after the curtains fell on alumni movie events in 2020 amid COVID-19 restrictions, close to 50 SIT alumni made a trip to Projector X: Riverside for a screening of the Tom Cruise blockbuster hit.

The first Alumni Movie Night in two years started off with a bento dinner before the cinema doors opened at 8pm. At the screening, instead of the usual cinematic surround-sound that you would get from the cineplex, attendees received wireless



headphones so they could fully immerse themselves in the cinematic experience without any distractions.

Mr Wei Quan, an Mechanical Design Engineering alumnus, found it to be a "very unique experience." He said, "The venue had a very nice theme with the old cinema equipment placed around, and it felt like one of those old-school cinemas."

The June screening was followed by Night@The Projector on 1 December 2022, held at The Projector: Picturehouse. Over 200 alumni attended to experience Ajooma, the first Singapore-South Korea co-production as well as the first Singapore film selected to compete and have its world premiere at the 27th Busan

International Film Festival (BIFF). Veteran actress Hong Huifang also became the first Singaporean actress to receive a Best Leading Actress nomination at the 2022 Golden Horse Awards for her role in the film.

Mr Zhou Xihao, who graduated from the Computing Science programme in 2020 said, "Finally, being able to attend a physical event after so long honestly feels liberating - nothing beats face-to-face interactions. I'm really glad that the SIT Advancement & Alumni Division is coming up with tons of initiatives for the alumni networks."

What made this night memorable for Mr Zhou? "Spending quality time with old friends and making new ones all while enjoying an amazing show!" he said.

- 1 | The Neon Room at Projector X: Riverside featured comfy cinema seats with lots of legroom, and special booth seats.
- 2 - 3 | Attendees excited to catch the highly-anticipated sequel to Top Gun.
- 4 | Ready with popcorn and drinks to enjoy the movie!
- 5 - 6 | Enjoying a delicious dinner with friends at The Picturehouse Bar before the movie begins.



Cheers to Good Times!

SIT Alumni enjoy after-work hangouts once again with the return of CheerS IT's Thursday!



With the resuming of physical events in 2022, the SIT Alumni Leisure Network also brought back CheerS IT's Thursday, a popular signature event where alumni can gather for an informal networking session to reconnect with old friends and make new ones from different clusters over dinner and drinks.

Three sessions were held in May, August, and November 2022, taking alumni for a chill night out at Molly Malone's Irish Bar, Chug Chug and Route 65 Bar + Kitchen. The November session saw the highest number of participants thus far with a total of 101 alumni in attendance. SIT faculty members

from Aerospace Engineering, Civil Engineering and Hospitality Business also came, giving alumni the opportunity to meet and catch up with their previous lecturers.

Look out for the next one, coming soon in 2023!



Food, drinks and friends - there's no better way to unwind after work!

► Cheers! SIT Alumni share a toast with Assoc Prof Christopher Bronn York, Engineering (fourth from right).



▼ Attendees exchange nametags and get to know each other through an icebreaking game.



► Assoc Prof Gianmarco Radice, Engineering, reconnects with old students over an ice-cold beer.



ALUMNI REUNION @ SUNSET CINEMA

SATURDAY, 29 APRIL 2023

\$10
PAX



TANJONG BEACH, SENTOSA

- GATES OPEN: 5.00PM
- MOVIE STARTS: 7.45PM



REGISTRATION IS NOW OPEN!

- ENJOY A COMPLIMENTARY COCKTAIL
- SIT ALUMNI CAN ALSO REGISTER AND MAKE PAYMENT FOR 1 NON-ALUMNI GUEST

