



**WE DO
FROM
DAY ONE**

Integrated Industry Solutions

**Centre for Career
Readiness**

**SITLEARN Professional
Development**

**Technology,
Innovation &
Enterprise Division (TIE)**



■ ONE SIT APPROACH

Singapore Institute of Technology (SIT) aspires to be the leader in innovative university education by integrating learning, industry and community.

With the aim of producing graduates who are highly valued by the industry, a tight nexus has been forged between the curriculum offered by SIT and the specific skills needed by the industry. SIT is constantly on the lookout for industry partners to provide an educational platform for our students through the Integrated Work Study Programme (IWSP), industry capstone projects and applied research projects.

We welcome industry and community partners who wish to collaborate with us. Working with SIT, our students and staff will be the catalysts that transform your workplace for the future.

■ What Sets Us Apart



A University of applied learning

SIT is Singapore's university of applied learning, providing practical and relevant education and training with a focus on industry.



Industry-ready talents

SIT has a robust curriculum that trains our undergraduates to be industry-ready.



Faculty and POs with niche industry expertise

SIT has a team of faculty and professional officers (POs) with industry expertise to provide you with multi-disciplinary solutions.



Sustainable partnerships to create industry impact

Our team will partner with you to develop integrated solutions to meet your organisational needs.

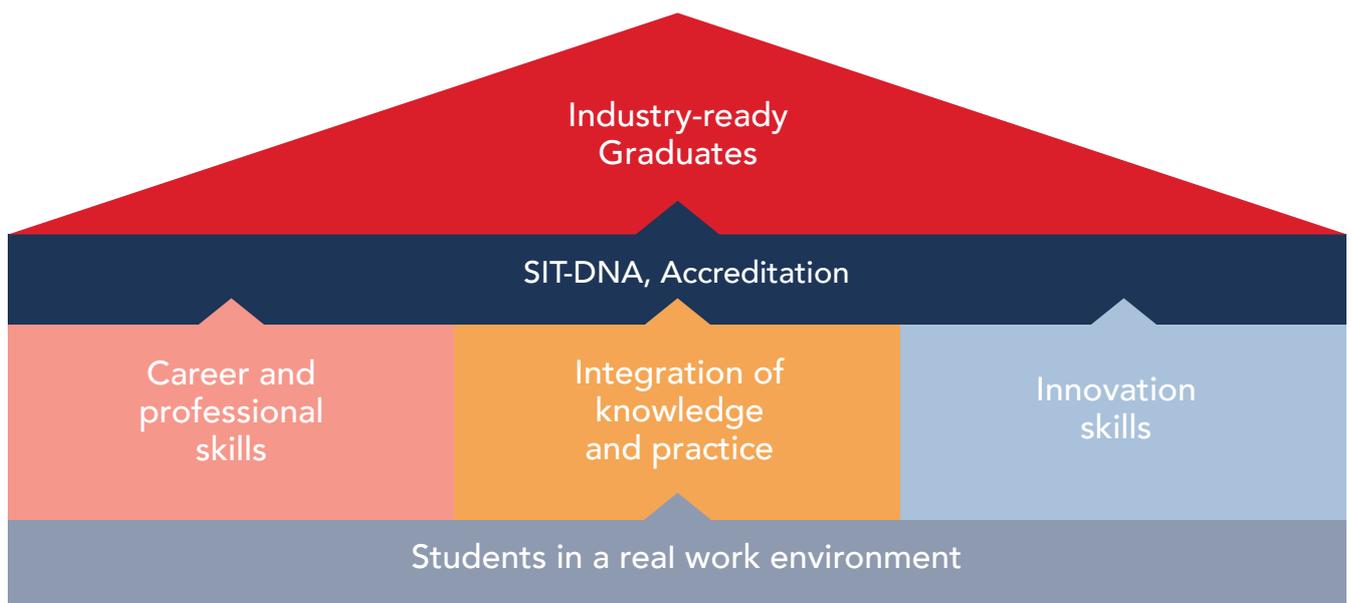
Centre for Career Readiness

Build your talent pipeline

We are a committed team of professionals dedicated to developing career-ready and employable students. SIT actively seeks collaboration with industry partners to provide applied learning platforms for our students.

We develop partnerships to build a pipeline of industry-ready talents through the following initiatives:

- a) **Integrated Work Study Programme (IWSP)**
- b) **Career Events**
- c) **Career Mentorship Programme**



What is IWSP

The Integrated Work Study Programme (IWSP) is a distinctive feature of SIT degree programmes. Students are given the opportunity to work and learn in a real work environment for up to 12 months, integrating classroom knowledge with real-world applications. Not only will you be able to contribute to the students' education and training, you will also be building closer ties with the university, creating a green harvesting platform for your talent pipelines. The IWSP develops skilled talents who are ready to work in your organisation.

Benefits to companies



Industry-Ready Candidates

IWSP candidates are predominantly polytechnic graduates who have received two more years of education at SIT, and possess the relevant skills to fit into their work roles immediately.



Injection of Fresh Ideas

Get fresh perspectives from IWSP candidates, and create a dynamic and vibrant working environment in your company.



An SIT Team behind every IWSP Candidate

SIT aims to help you with your challenges. Our academic staff (Faculty and Professional Officers) are continually in contact with IWSP candidates to assist them with their job integration and are prepared to work with you to address your technical needs. SIT's dedicated Technology, Innovation & Enterprise (TIE) division stands ready to facilitate your industry projects.



Contribution to Significant Projects

With the longer duration of up to 12 months, IWSP candidates can be assigned bigger, more meaningful projects. If an IWSP candidate identifies an area in your business that can be improved upon, he or she may develop it as a final year project for which the findings and recommendations can be made available to you at no cost.



Stringent Recruitment Process

Recruitment of IWSP candidates is similar to an actual employment process, allowing you to engage the most suitable candidates for your organisation. You will be able to post available positions, shortlist candidates, conduct interviews and finally, select your hires.



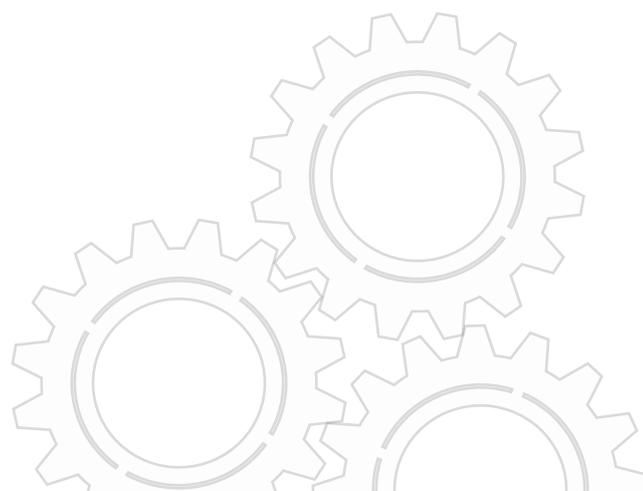
Build Strategic Partnerships

Partner us for other collaborative efforts. Besides IWSP, you can be a part of the students' professional development programmes, SkillsFuture Work Study Degree Programme, industry projects or perhaps as a potential donor.



Secure Future Talents

Make job offers to outstanding IWSP candidates and secure the best talents for your organisation even before they graduate.





Career Events



Networking Events

We organise regular networking events for students to meet with potential employers. This is an excellent way to promote job opportunities, raise your organisation's visibility and network with our students. Use this platform to engage SIT students and build your presence as a potential employer.



Industry Talks

Share your insights on industry trends, career prospects and what it takes to succeed in the industry. This is an excellent opportunity to reach out to our students, who can be your prospective employees.



Career Talks

Share insights on your organisation's career opportunities and progression pathway. Recruitment sessions are a great way for students to assess opportunities and network with employers.



Company Visits

Showcase your organisation by hosting our students through visits. Impress them with opportunities to witness first-hand the various functions within your organisation.

Career Mentorship Programme

Be an industry mentor to our students. Share your intrinsic work experience, provide real-time industry information and guidance to better prepare them for the workplace and their career journeys. Your authentic sharing will provide them with a deeper understanding of the work life and opportunities that lie ahead of them.



SITLEARN Professional Development

Develop your employees

We are the lifelong learning division of the Singapore Institute of Technology. Developed in consultation with industry, our courses emphasise the integration of theory with hands-on application, and are delivered by SIT academic staff and thought leaders, with support by industry experts.



Industry-centric

Designed with industry in mind



Focus on impact and applied learning

Innovative learning activities to help employees gain skills that can be immediately applied in the workplace



Engaging faculty

Subject matter experts in diverse disciplines such as Allied Health, Engineering, Hospitality, Robotics and Automation, Infocomm Technology and Process Safety

SITLEARN Professional Development Courses

Our courses focus on distinctive offerings that reinforce the university's core competencies and uses a demand-led model. We strive to meet skills development in key focus areas derived from five core disciplines:

- Engineering (ENG)
- Infocomm Technology (ICT)
- Design and Specialised Businesses (DSB)
- Chemical Engineering and Food Technology (CEFT)
- Health and Social Sciences (HSS)

In addition, there are also courses beyond these areas such as lean transformation, people management and communication skills training.



Open Courses: For individuals and small teams

SITLEARN PD's open courses range from one-day master classes to multi-week short courses, offering working professionals the flexibility and options to develop different skills at different points in their careers. Individuals will have the opportunity to choose modules from SIT's suite of degree courses, without having to enroll in one, and can earn credit units that are stackable towards credit-bearing qualifications at SIT.



Custom Courses: For organisations

Tailored to your organisation's specific training needs, custom courses are designed after extensive consultation to understand your business context and capability development goals. Whether you are looking to retain and grow key talent, or develop specialist expertise, SITLEARN PD can help you create a customised learning solution that delivers impact.

Hear from our partners

PSA Corporation Limited (PSA) and SIT signed a Memorandum of Understanding in March 2017 to establish collaborations in several areas, including the development and implementation of a training programme to meet PSA's capability development in preparation for its Tuas Mega Port. This year-long part-time deep-skilling programme equips participants with deep, practical skills to appreciate the inter-relationships between various systems, as well as to design and maintain complex automated systems that are vital to PSA's new generation of ultra-modern and intelligent container terminals.

"As technology and digitalisation drive rapid changes in the workplace, we are glad to partner with SIT to equip our engineering, ICT and operations managers with deep, practical skills to meet PSA's capability development in preparation for the Tuas port." – PSA

To explore SITLEARN PD's diverse portfolio of courses, visit sitlearn.edu.sg

Technology, Innovation & Enterprise Division (TIE)

Innovation through collaboration

We are a one-stop centre for companies to collaborate and co-create innovative solutions with our technology experts and students. By leveraging on the multi-disciplinary expertise of our faculty, professional officers and students, companies can advance the development of their innovative products and services.





Collaboration with Industry

Kwong Wai Shiu Hospital

Since 2015, our collaboration with Kwong Wai Shiu Hospital (KWSH) has resulted in numerous bilateral activities through joint assistive technology projects involving faculty and students across various disciplines. KWSH has also sponsored interior design spaces for students from SIT-Glasgow School of Art, to exercise their knowledge and creativity to conceptualise interior design spaces for resident-centric activity spaces within KWSH's facilities. The collaboration has evolved with KWSH expanding from research innovation and service learning, involving faculty and students, to continuous professional training for the Community Care sector.

“We are delighted and honored to have Singapore Institute of Technology as our key collaboration partner in assistive technology and interior design innovation projects since 2015. The innovations from the faculty and students have helped bring more positive impact to our residents as well as to our patient care and operations.”

– Dr Ow Chee Chung, Chief Executive Officer, Kwong Wai Shiu Hospital

TPSC Asia Pte Ltd

TPSC Asia embarked on their Lean journey with SIT in Oct 2016. With effective results, they have been sending champions from their various departments, from sales to warehousing, to undergo the Lean programme in order to build internal capability and transform the company. As they improved their workflow and processes, TPSC Asia leveraged the technical expertise of SIT faculty to optimise their production plant switch-over process, through a collaboration which tapped on SIT's Ignition Grant.

“Singapore's economy is going to face a lot of tough competition, we have to make sure we stay ahead of the pack and lean is the tool that will give us the competitive edge.”

– Mr Mak Yuen Chau, General Manager, TPSC Asia Pte Ltd



Industry and Community Collaboration

SIT has undertaken innovation projects in many areas such as automation, digitalisation, cyber-security, food and process technology, healthcare and business improvements. Over the years, SIT has also set up thematic Technology Innovation Centers (TICs) as industry-centric nexus to foster greater strategic partnerships that involve multi-disciplinary applied research collaboration, as well as workforce training. To support some of the key Industry Transformation Maps (ITMs), SIT has identified TICs in the following areas:

- Power Systems Innovation
- Energy Efficiency & Assessment
- Cyber-security
- Food Innovation
- Lean Transformation & Process Innovation
- Transport Engineering
- Health Sciences Research & Innovation

For collaboration opportunities, you can write to Innovate@SingaporeTech.edu.sg



SIT's Innovative Projects funded by SIT's Ignition Grant



U Arm, the Gamified Arm-skate Rehabilitative Device

SIT was involved in the re-design of an arm-skate rehabilitative device for the METTA's Day Rehabilitation Centre for the Elderly. The multidisciplinary faculty and student team infused a virtual- reality game to the device to make rehabilitation more 'fun' in order to motivate post-stroke survivors to regain their upper limb mobility.



Secured IoT Deployment in a Smart Industrial Estate

SIT developed a set of guidelines for securing IoT smart devices and proposed IoT network architecture designs to an industrial space developer, with reference to the current industry best practices as a foundation for the development of IoT smart estate plans. In addition, a compliance script was also developed to ensure that all devices comply with security policy requirements.



Lean @ Four Seasons Catering

SIT faculty and Lean coaches from the Lean Transformation Innovation Centre (LTIC) helped Four Seasons Catering achieve greater efficiency by revamping existing workflows and cutting wastes such as excessive motion and inventory. As a result, Four Seasons Catering was able to save man-hours without investing in new equipment or machinery.



SIT's Thematic Applied Research Areas



Centre for Operational Technology and Information Security (COTIS)

In collaboration with the Info-communications Media Development Authority (IMDA) and Cyber Security Agency of Singapore (CSA), SIT launched the GoSecure Programme where SIT will perform cybersecurity vulnerability assessments on ICT products and help ICT SMEs develop more cyber-resilient products.



Centre of Health Sciences Research and Innovation (CHeSRI)

CHeSRI will facilitate the development of a coherent applied research agenda that aims to demonstrate clinical effectiveness of allied health and nursing services, improve patient care and promotes healthy living, including healthy ageing. It also consolidates all health and social sciences research activities, including students' Capstone (Honours research) projects within SIT.



Land Transport Authority (LTA)-SIT Technology Centre

In this centre, industry, faculty and students work together to address transport challenges and issues such as transport mobility studies and predictive and preventive maintenance of railway systems.



Lean Transformation Innovation Centre (LTIC)

Set up in partnership with the SkillsFuture Singapore (SSG) and Boston-based Lean Enterprise Institute (LEI) in 2016, SIT works with local companies to develop new technology solutions to improve productivity and become manpower-lean. The centre provides specialised lean programmes and companies could tap on SIT's lean expertise, students and grants for collaborative projects.

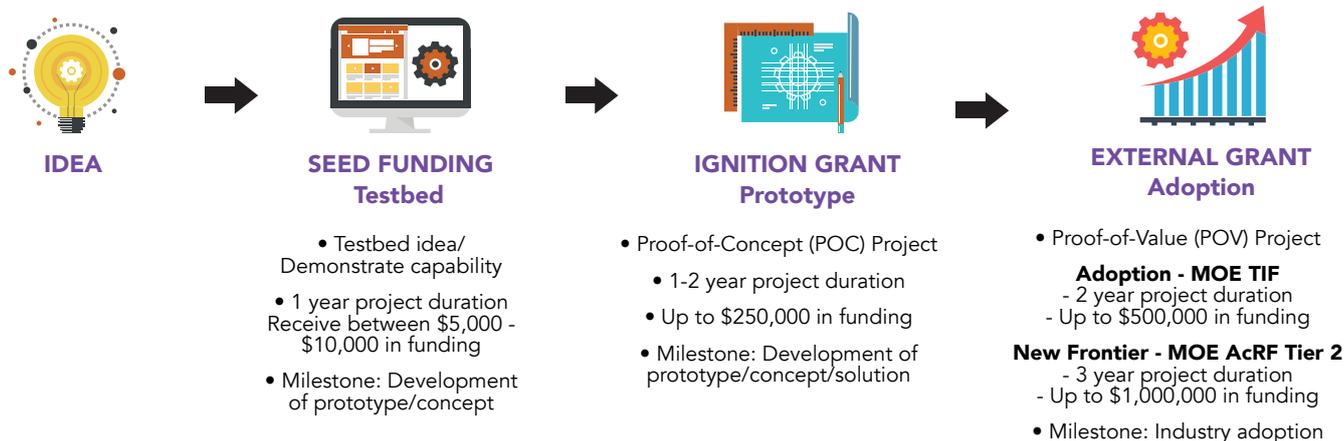


SIT Grant Framework

The SIT Grant Framework provides support to industry and faculty when both parties embark on industry collaborations. SIT taps on both internal and/or external grants to support our involvement in industry and community projects.

There are two internal grant schemes that provide different levels of support:

- Seed Fund
- Ignition Grant



For funding information, you can write to Grant@SingaporeTech.edu.sg

Entrepreneurship Development

We build an entrepreneurship culture that aims to help our students and alumni turn business ideas into reality. Our pool of experienced mentors such as entrepreneurs, investors or senior management level executives from various industries and areas of expertise help students or start-ups implement their business plans. The "Step Up to Start-Up" Talk Series involves local and overseas entrepreneurs who are passionate in sharing their wealth of experience with aspiring student entrepreneurs first-hand.

To get started, drop us an email at Entrepreneurship@SingaporeTech.edu.sg

Contact Us

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