



SINGAPORE UNIVERSITY OF
TECHNOLOGY AND DESIGN

Established in collaboration with MIT

TOWARDS A BETTER WORLD BY DESIGN





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OUR NEW EAST COAST CAMPUS

FIRST UNIVERSITY
IN THE EAST

CUSTOM-BUILT FOR
INNOVATION AND
COLLABORATIVE
LEARNING

DESIGNED FOR AN
INTERDISCIPLINARY
LEARNING AND
RESEARCH
ENVIRONMENT



“The Singapore University of Technology and Design will provide something different from the existing institutions - a very high quality education, not just an academic education, but one which is going to stimulate students

to go beyond the book knowledge, to apply it to solving problems. It will teach students to be creative, not just in the technology and design part, but also to be creative in bringing ideas out of the academic environment into the real world, into the business arena, into the real economy and make a difference to the world.”

- LEE HSIEN LOONG, Prime Minister of Singapore

A NOTE FROM THE PRESIDENT

Dear students,

Thank you for considering the Singapore University of Technology and Design (SUTD).

Choosing a university is an important decision. After all, the choice of the school you attend could significantly affect your life. However, the decision and process need not be daunting.

When considering a university, look for one that is right for you - one that matches your interests, that provides the right type of environment for you to learn and grow, and provides you with an enjoyable and rewarding experience. Most importantly, choose one that will prepare you well for life after school, be it a career in industry, government or research or continuing your education in graduate school.

Established in collaboration with the Massachusetts Institute of Technology (MIT), SUTD offers a world-class education built upon a unique interdisciplinary curriculum enriched with hands-on experience in cutting-edge projects and research conducted in exceptional facilities. At SUTD, learning is not confined to the classroom. Internships and overseas student exchanges, entrepreneurial activities, and a

variety of student activities will add considerably to your education.

SUTD will be the best choice for you if your profile matches what we offer. To be sure, we need to understand one another - what our values are, what makes us come alive. As important as grades are, a handful of numbers alone do not tell the full story. Hence, to help us understand one another better requires more, so please do tell us about yourself and your interests in your application.

As you embark on this exciting journey of self-discovery and take the first step to impact the world, we would like to be your companion. We hope the years you spend with us will be meaningful and transformational.

The journey of a thousand miles begins with a single step. Take the first step to complete your application form. We look forward to learning all about you.

**Professor Thomas Magnanti
President**

EMPOWERS
YOU TO BUILD
A BETTER
WORLD WITH
A DESIGN-
CENTRIC
EDUCATION

SUTD
COLLABORATES
WITH MIT TO
BRING YOU A
WORLD-CLASS
EDUCATION

MAKE INROADS
INTO CHINA, THE
WORLD'S LARGEST
ECONOMY WITH
THE SUTD-ZHEJIANG
UNIVERSITY
PARTNERSHIP

11:1 STUDENT
TO FACULTY
RATIO

GREAT
INTERNSHIPS
GIVE YOUR
FUTURE A
BOOST

8 GREAT REASONS TO JOIN SUTD

BRING
OUT THE
CREATOR AND
STRATEGIST
IN YOU

VIBRANT
STUDENT LIFE

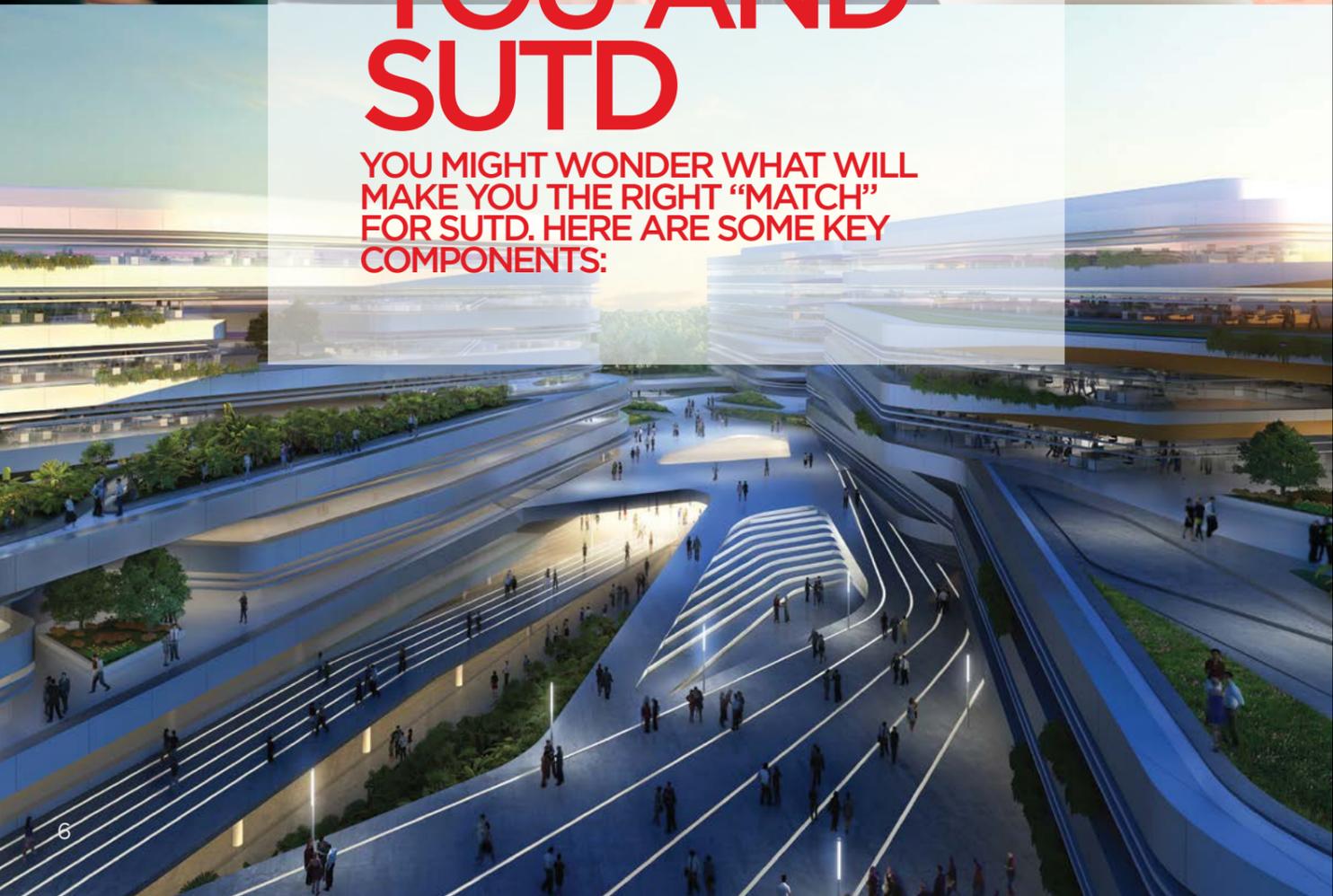
- DEDICATED TIME TO PURSUE YOUR INTERESTS
- START SOMETHING YOU ARE PASSIONATE ABOUT

EMBARK ON
RESEARCH
FROM DAY ONE



THE MATCH BETWEEN YOU AND SUTD

YOU MIGHT WONDER WHAT WILL MAKE YOU THE RIGHT “MATCH” FOR SUTD. HERE ARE SOME KEY COMPONENTS:



ALIGNMENT WITH SUTD'S MISSION TO IMPROVE THE WORLD THROUGH TECHNOLOGY AND DESIGN

There are many ways to make our world better. Developing innovative products and services can change the world. So does improving the environment by building greener buildings. There are thousands of examples we can work on.



COLLABORATIVE SPIRIT

The SUTD spirit is built upon collaboration and cooperation. Learning at SUTD occurs through both small and large group interactions that encourage collaborative learning and discovery. Our curriculum is interdisciplinary, ensuring that you obtain a well-rounded education.



RISK-TAKING

We look for students who are willing to take risks; who plan to succeed but who are not afraid to experiment and, on occasion, even fail. The most creative and successful people know that even in failure, there is much to learn. If you stay focused and do not give up, you will succeed.



HANDS-ON CREATIVITY

SUTD is an active, hands-on place. Getting your hands dirty and trying something new is often the best way to achieve success and to make learning come to life. At SUTD, through the Art and Science of Design, we apply theoretical knowledge to real-world problems. In other words, you should enjoy both thinking and doing.



AN EDUCATION AHEAD OF ITS TIME

SUTD OFFERS A WORLD-CLASS EDUCATION BUILT UPON AN INTERDISCIPLINARY CURRICULUM, MULTI-DISCIPLINARY RESEARCH AND A UNIQUE COHORT-BASED LEARNING APPROACH.

A DESIGN-CENTRIC EDUCATION, IT EQUIPS YOU WITH BOTH THEORY AND HANDS-ON PRACTICE.

AT SUTD,
WE HAVE AN

11:1

STUDENT
TO
FACULTY
RATIO

(Total student population over total faculty population)

OUR WAY OF
LEARNING IS

HANDS-ON
COLLABORATIVE
INTERACTIVE

THEORIES ARE BROUGHT

TO LIFE

AND YOU LEARN BY
EXPERIENCING THEM

SMALLER CLASSES FOR BETTER LEARNING

You enjoy more personal attention at SUTD. In a typical Freshmore class of 50 students, two to three instructors readily engage students divided into small groups. In this setting, learning is active and as much a peer-to-peer as a teacher-to-student experience.

Advanced real-time response systems allow faculty to better monitor your learning progress and provide immediate advice.

COHORT-BASED, COLLABORATIVE LEARNING

A cohort-based, community learning environment lets you collaborate with like-minded people. In the first three terms, you are grouped into cohort classes of 50 students. Taking common classes, you share the experience of university life.

Your dedicated space, classrooms are used for design projects, self-study sessions or group discussions. Unlike a traditional fixed format, the flexible design of the cohort classroom lets you customise the space. Move the portable tables and chairs to form work or study groups. A mini think tank within each classroom lets you have completely different activities going on in each space. Bounce ideas off each other using the interactive whiteboards. At SUTD, no two cohort classrooms ever look the same.

A UNIQUE, HANDS-ON LEARNING EXPERIENCE

Hands-on and interactive learning means classes are never dull. Theories are brought to life, and you learn by experiencing them.

Classes incorporate activities, such as simulations and problem sets conducted in the format of mini lectures, video lecturettes, small group recitations, hands-on demos, designettes and concept quizzes to cement the understanding of different concepts in a subject. The interactive sessions foster collaborative learning and you will enjoy and better understand concepts that are traditionally viewed as difficult. Real-life examples are demonstrated regularly.

The Fabrication Lab is where you bring your design ideas to life - by experimenting with materials, exploring new fabrication processes, building physical mock-ups, prototyping scale models and full-size products. It is equipped with a wide range of equipment - from cutting-edge rapid prototyping machines, CNC milling machines to metal and wood working machines. Satellite Fabrication Labs right next to classrooms make it even easier for you to realise your ideas.



TAKE A LOOK AT
HOW THEORIES ARE
BROUGHT TO LIFE.



ACADEMIC CALENDAR

SUTD has a full eight-term undergraduate calendar. An innovative approach allows you to complete a comprehensive syllabus within a compact time frame of 3.5 years. The first academic term starts in May with the Freshmore year, which is a combination of the freshman and first half of the sophomore years.

January is set aside for the Independent Activities Period (IAP) and is dedicated to your own endeavours and interests. The first IAP includes the Undergraduate Practice Opportunities Programme (UPOP) to prepare students for internships in the following summer break.

After the Freshmore year, students have an 18-week summer break. During that period, you can choose to go on an internship or student exchange before selecting and embarking on your pillar year. There is another opportunity during the junior year summer break for a second internship or exchange. You will complete your senior pillar year and capstone project in August.

1 JAN	1 APR	1 JULY	1 OCT	31 DEC
AY		TERM 1	TERM 2	
1		OR Freshmore	BK Freshmore	BK
2	IAP/ UPOP	TERM 3 Freshmore	BK Internship/ Exchange/ Vacation	TERM 4 Pillar (Sophomore)
3	IAP	TERM 5 Pillar (Junior)	BK Internship/ Exchange/ Vacation	TERM 6 Pillar (Junior)
4	IAP	TERM 7 Pillar/Capstone (Senior)	TERM 8 Pillar/Capstone (Senior)	BK

Legend:
 AY - Academic Year
 OR - Orientation
 IAP - Independent Activities Period
 UPOP - Undergraduate Practice Opportunities Programme
 BK - Break
 Calendar is not drawn to scale and subject to change



*2 terms for capstone project is part of 3 pillar terms

CURRICULUM

	ARCHITECTURE AND SUSTAINABLE DESIGN (ASD)	ENGINEERING PRODUCT DEVELOPMENT (EPD)	ENGINEERING SYSTEMS AND DESIGN (ESD)	INFORMATION SYSTEMS TECHNOLOGY AND DESIGN (ISTD)
PILLAR	Capstone: Integrated Design Experience			
	Technical Application Electives			
FRESHMORE	Architecture Core			
	Product Design Core			
	System Design Core			
Info Design Core				
Entrepreneurship, Management, Social Sciences, Economics, Humanities, Arts				
TERM 3	Modelling the Systems World, Engineering in the Physical World, The Digital World, Introduction to Biology* and Introduction to Physical Chemistry*			
TERM 2	Advanced Math II, Physics II, Introduction to Design, and Theorising Society, the Self, and Culture			
TERM 1	Advanced Math I, Physics I, Chemistry and Biology: Natural World, and World Texts and Interpretations			

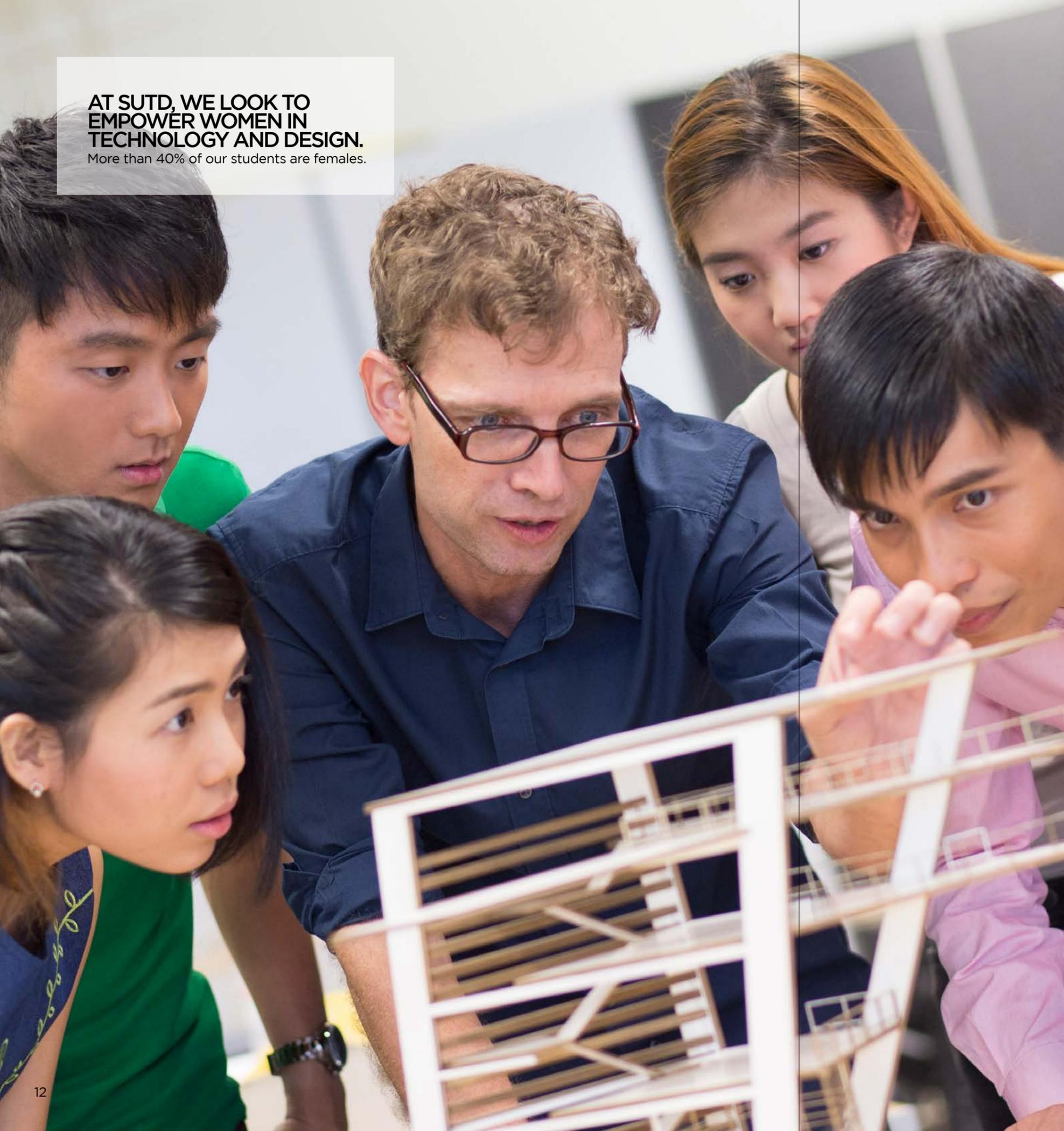
■ Design projects ■ Advanced Pillar Electives
 ■ Four full credit subjects (or equivalent) per term (x 8 terms)
 * Half-credit subject

Information is subject to change

The curriculum is designed with an “outside-in” approach that starts with considering industry’s evolving needs and delves deeply into challenges the world faces today. Students are exposed to a wide range of technically grounded fields of design. You will learn to define problems holistically and develop creative solutions from a total design perspective for the real world.

AT SUTD, WE LOOK TO EMPOWER WOMEN IN TECHNOLOGY AND DESIGN.

More than 40% of our students are females.

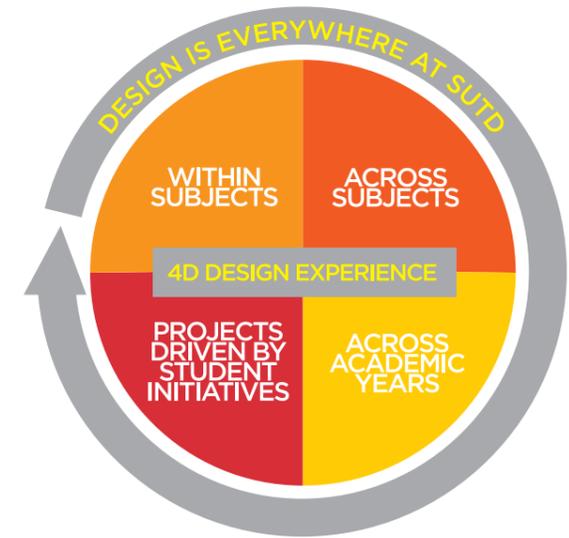


Big-D

SUTD's unique approach to the science of design and design thinking may be summarised by what we term Big-Design, or Big-D for short.

It is all technically grounded design, including products, processes, services, and systems. It involves the full value chain from conception, development, prototyping, marketing, manufacturing, profitability, maintenance, to sustainability. Big-D includes an understanding of the liberal arts, humanities, and social sciences. It focuses on human-centred processes and solutions, where designers co-create with customers, users, and all facets of society.

Design is literally everywhere at SUTD. Design experiences are incorporated in what we term as 4D in the curriculum and outside it - within subjects, cutting across subjects, across academic years and projects driven by student initiatives. Design projects with industry partners are very much part of the SUTD education too.



FRESHMORE

Although the SUTD curriculum is modern, it respects and amplifies the traditional emphasis on mathematics and science fundamentals. The first three terms are common to all students and build the foundations in mathematics and science with classes in mathematics, physics, chemistry and biology.

The inclusion of Humanities, Arts and Social Sciences (HASS) in Terms 1 and 2 enable students to be cultivated as critical thinkers.

In Term 2, the "Big-D" concepts are introduced in a full term subject on design, taught from the perspective of both architecture and engineering. In Term 3, you learn about the world through three subjects unique to SUTD - "Modelling the Systems World", "Engineering in the Physical World", and "The Digital World" - before selecting your pillar.

This is a novel approach as it provides a broad and rigorous education to students in the different disciplines. You are equipped with a strong base to select and excel in the pillar of your choice.

SUTD OFFERS DEGREES IN FOUR PILLARS, WHICH ARE DEVELOPED TO OFFER A MODERN ENGINEERING AND ARCHITECTURAL EDUCATION THAT CROSSES TRADITIONAL DISCIPLINES.

THEY WILL PREPARE YOU FOR ROLES THAT INVOLVE DESIGN, TECHNICAL LEADERSHIP, AND CREATIVE THINKING.

Photo credit: T. R. Hamzah & Yeang

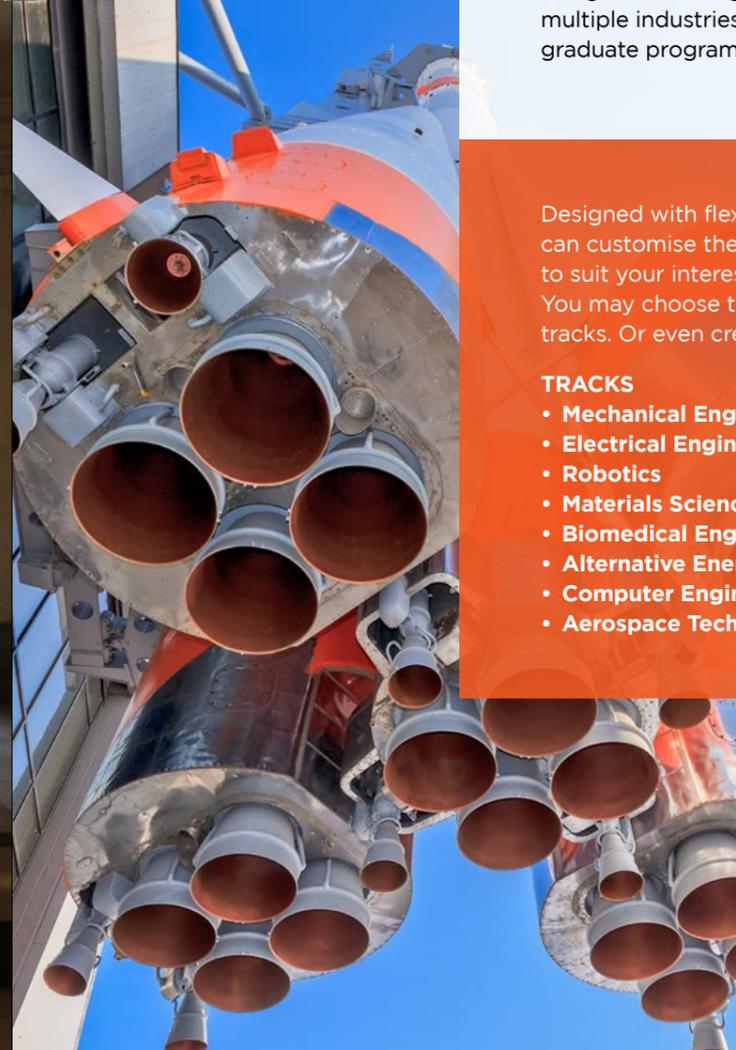


Photo credit: City Form Lab

ARCHITECTURE AND SUSTAINABLE DESIGN (ASD) PILLAR

Environmental changes, rapid urbanisation and constraints on the world's resources are challenges faced by the modern architect. ASD prepares you for the future needs of architecture in a digital era - ecological urban architecture, leveraging on big data to design smart cities, advanced design computation, digital fabrication and more. Preparing you for graduate studies, SUTD develops you as an architectural leader for a better tomorrow.

Photo credit: City Form Lab



ENGINEERING PRODUCT DEVELOPMENT (EPD) PILLAR

EPD prepares you for leadership in the conception, design, implementation and operation of innovative technology-intensive products and systems, with emphasis on products and systems whose development cuts across traditional disciplinary boundaries. It covers products and systems in the fields of aerospace, bio-medical engineering, electronics, defence, energy, robotics, mechanical engineering, materials, transportation and more. You will be very versatile and well-prepared for engineering, design and management careers across multiple industries, and for various graduate programmes.

Designed with flexibility in mind, you can customise the EPD curriculum to suit your interests and aspirations. You may choose to follow one of eight tracks. Or even create your own!

TRACKS

- Mechanical Engineering
- Electrical Engineering
- Robotics
- Materials Science
- Biomedical Engineering
- Alternative Energies
- Computer Engineering
- Aerospace Technology

FingerReader: A wearable interface that helps the visually impaired read text on the go. Research led by SUTD Augmented Senses Group.





ENGINEERING SYSTEMS AND DESIGN (ESD) PILLAR

ESD focuses on the design, analysis, optimisation and management of large-scale complex systems. Examples include financial services, supply chain and logistics, healthcare delivery, transportation and aviation, security and defence, energy production and distribution, and many more. It prepares you for positions as systems analysts or project leaders in a wide range of private and public sectors, for careers in consulting and for various graduate programmes.

With five tracks, the ESD curriculum offers you the flexibility to customise it to suit your interests and aspirations.

TRACKS

- Business Analytics
- Economics and Operations Research
- Energy and the Environment
- Financial Services
- Supply Chain and Logistics

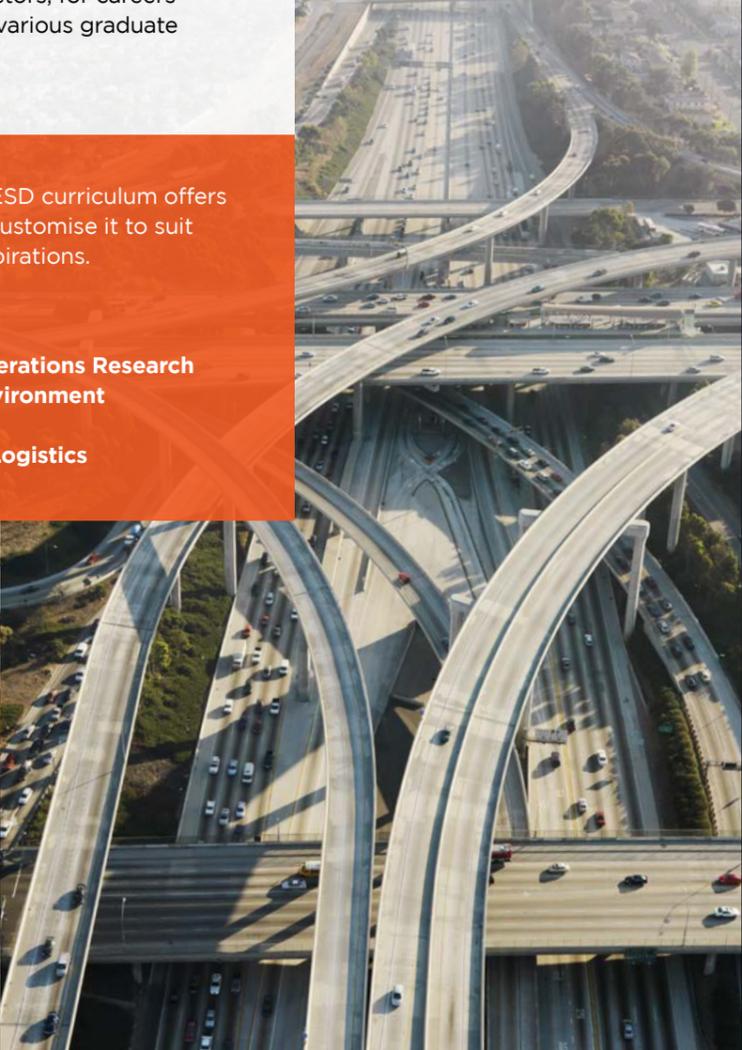
INFORMATION SYSTEMS TECHNOLOGY AND DESIGN (ISTD) PILLAR

ISTD integrates the traditional disciplines of Computer Science, Computer Engineering and Information Systems - focusing on the design of systems that interact with both humans and machines. It prepares you for leadership in industries including social media, banking and finance, transportation, security and defence, healthcare, and gaming. You will emerge a problem solver ready to push the frontiers of technology for the benefit of society, equally equipped for careers in private or public sectors and graduate programmes.

Designed with flexibility and relevance in mind, you can customise the ISTD curriculum to suit your interests and aspirations. You may choose to follow one of four tracks. Or even create your own!

TRACKS

- Business Analytics
- Artificial Intelligence
- Security and Communication
- Computer Engineering



ELECTIVES

Electives form an integral part of the SUTD curriculum. You get to expand the scope of your studies beyond the core subjects. There are three types of electives.

TECHNICAL APPLICATION ELECTIVES

The EPD, ESD and ISTD pillars have a set of elective subjects associated with different applications streams, which gives greater focus and depth, and promotes inter-pillar interaction. You will be able to take technical application electives in focused areas such as Global Issues, Transportation, Manufacturing Systems, Information Systems and Enterprise Systems.

ADVANCED PILLAR-SPECIFIC ELECTIVES

The advanced pillar-specific electives are designed to add to the pillar's core curriculum base and provide strength in areas related to your specialised interests as well as research interests. These electives are typically taken from Term 6 onwards.

HASS ELECTIVES

Regardless of the pillar, students are required to take seven classes in humanities, arts and social sciences. The HASS electives serve as a vehicle for presenting, interpreting, and understanding the material within a broad, unifying framework, and will complement the technical subjects to enhance creativity.

Besides two HASS subjects in the Freshmore year, you will take one HASS elective every term from Term 4 onwards. You can choose from a common pool of HASS subjects or from the pool of prescribed HASS subjects for each pillar.

“I decided to take a Sociology elective as it helps me understand how people work. It reminds me that as engineers we should go beyond functionality to design for people.”

- Javier Su



CAPSTONE PROJECT

In a real-world design situation, crucial projects span multiple disciplines and are too large to be completed by one person. It is with this in mind that students are required to participate in an integrative capstone project in the senior year.

The capstone project typically involves at least two different pillars. Students come together in focused design teams to contribute their respective expertise and skills to solve real-world challenges provided by industry partners, culminating in a grand design project.

The capstone project is a substantial activity that involves the full range of design skills, from the identification of needs and markets to concept selection to development and prototyping and finally manufacturing and operations.

MINOR PROGRAMMES

Minor programmes offer eligible students more choices and flexibility in pursuing their broader interests. Offered from Term 5 onwards, you will be equipped with additional skills and knowledge beyond your pillars.

DEGREES AWARDED

You will graduate with one of the following degrees:

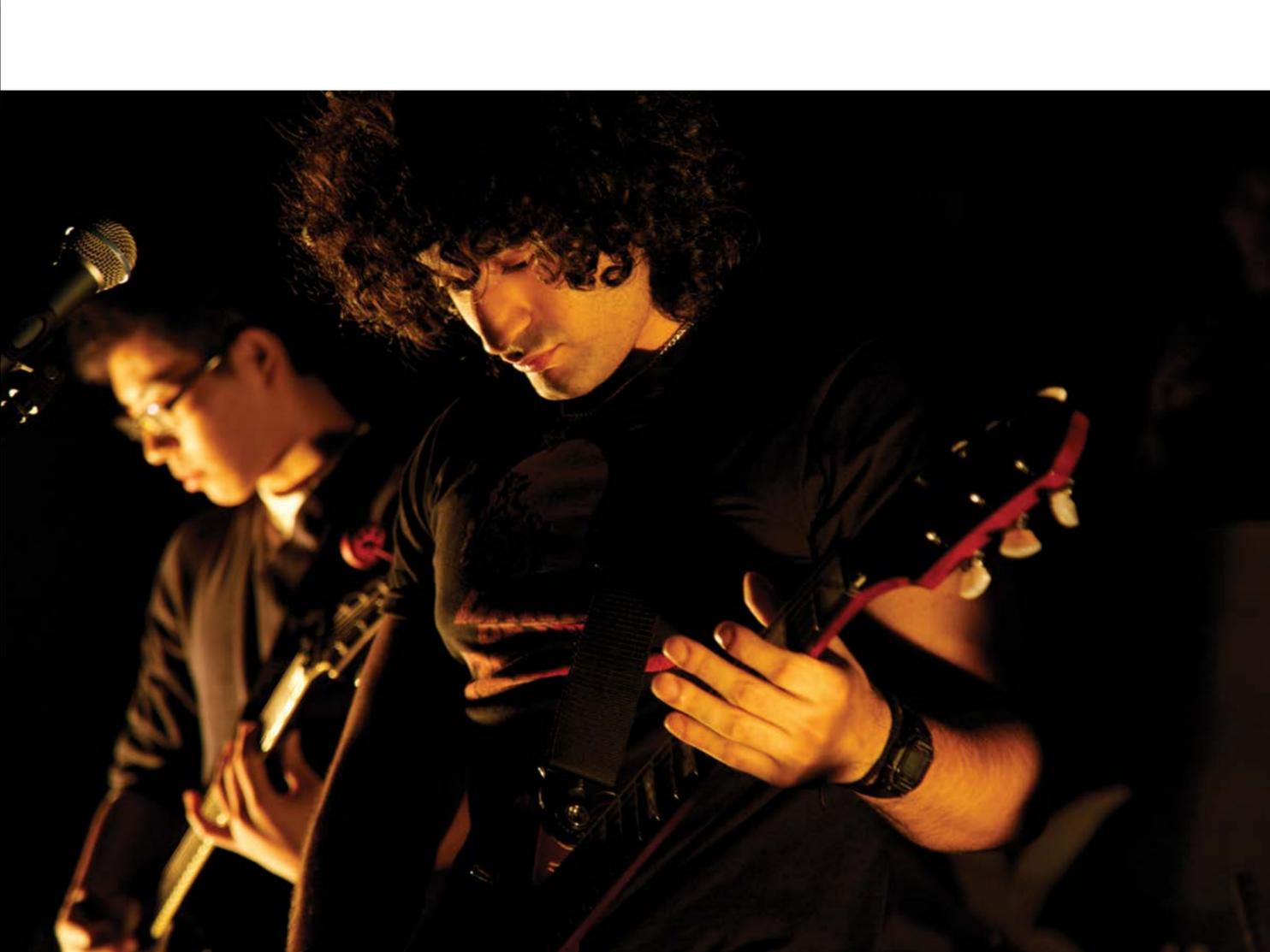
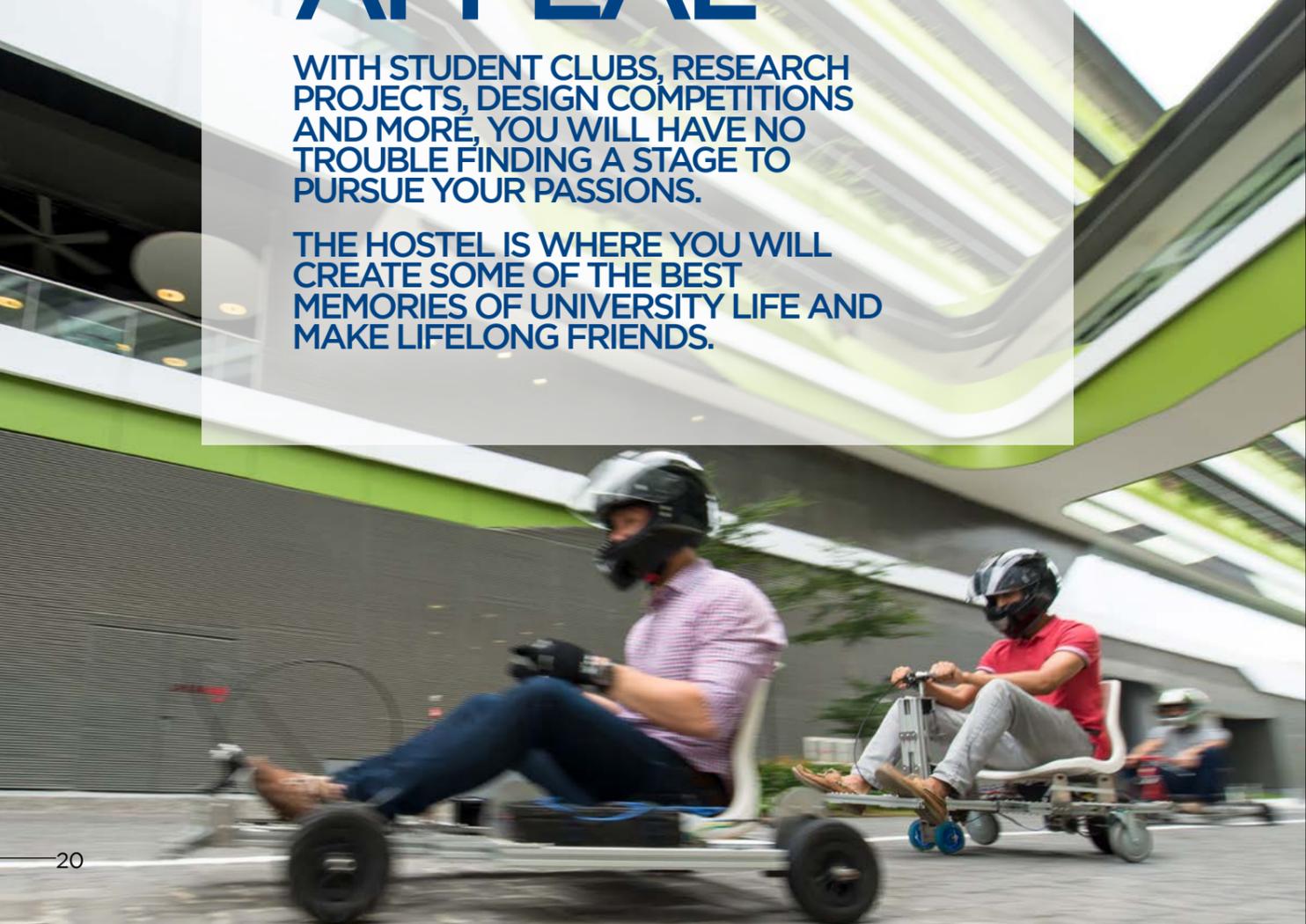
- **Master of Architecture (10 terms)**
- **Bachelor of Science (Architecture and Sustainable Design) (8 terms)**
- **Bachelor of Engineering (Engineering Product Development) (8 terms)**
- **Bachelor of Engineering (Engineering Systems and Design) (8 terms)**
- **Bachelor of Engineering (Information Systems Technology and Design) (8 terms)**



STUDENT LIFE WITH A UNIVERSAL APPEAL

WITH STUDENT CLUBS, RESEARCH PROJECTS, DESIGN COMPETITIONS AND MORE, YOU WILL HAVE NO TROUBLE FINDING A STAGE TO PURSUE YOUR PASSIONS.

THE HOSTEL IS WHERE YOU WILL CREATE SOME OF THE BEST MEMORIES OF UNIVERSITY LIFE AND MAKE LIFELONG FRIENDS.



FIFTH ROW

Fifth row is what we call co-curricular activities at SUTD because it is the fifth activity students do every term in addition to their four academic subjects.

Very much part of the SUTD culture, we dedicate time to it – two afternoons each week are reserved for fifth row time. So that you can pursue your passions and because we understand that some time from homework makes us all better (and saner) people.

Join diverse activities such as sports, playing in a band, cheerleading, tinkering with electric vehicles and even monitoring share prices with the investment club. Madly passionate about something that does not exist in SUTD? Start a club or society for it. Chances are you would find other like-minded souls who are equally keen.

“Although it was a challenge to start a show choir, it was an amazing opportunity to have total freedom to shape it any way we like.

- *Nguyen Minh Chau*, Founding President of LivfeSync, winner of Singapore Inter-School Show Choir Challenge



RESEARCH OPPORTUNITIES FOR ALL

You can participate in research from day one, with ready access to funding and faculty mentors, through the Undergraduate Research Opportunities Programme (UROP).

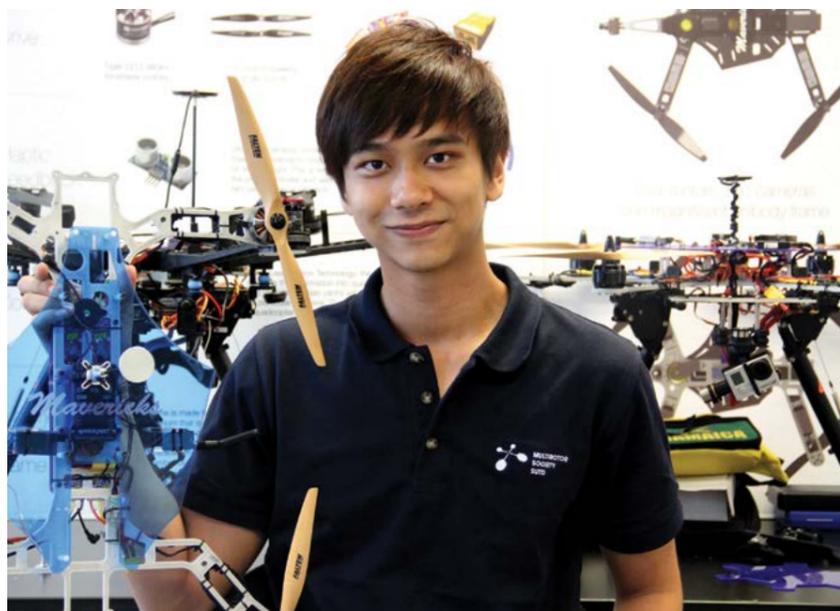


I have been working with a professor on an indoor localisation system to wirelessly locate objects or people inside a building. It is a chance to apply my knowledge to solve real life problems.

- Wang Lijuan

INDEPENDENT ACTIVITIES PERIOD (IAP)

In January each year, students are free to pursue their own personal interests. During IAP, you can participate in a myriad of activities; from conducting a class to share your knowledge on an area you are passionate about, working on projects you could not carve time out for during term time or participating in a competition. Students have been known to hold a crash course for French, introductory dive classes, wine appreciation sessions to even making their own acoustic panels for the jam room.



An amazing part of SUTD is being able to meet and work with like-minded individuals who want to push boundaries in the emerging field of multi-rotors.

- Kyi Hla Win, One of the founders of the Multi-Rotor Society



Watch the breathtaking aerial coverage of the Singapore Garden Festival.



COMPETITIONS AND PROJECTS

SUTD students are addicted to competitions and participating in projects. They do it simply for the joy of creating something new. Or even as a way to start contributing to a better world.

In the short history of SUTD, we had some amazing achievements, including:

Since 2012, SUTD students have been designing the annual Chinatown Chinese New Year Light-up. Chinatown was greeted by a magnificent herd of goat-shaped lanterns, each with a distinctive action, appearing life-like with the use of technology and mechanised parts.

Yeo Song Pei and Chua Yuheng, who took first place under the Architecture category in the Autodesk ASEAAN Design Competition, represented SUTD to attend the Autodesk Panorama event. The pair emerged as one of the five finalists with their "Finger Band" during the Autodesk Fusion 360 Hackathon that saw more than 18 teams from around the world. The "Finger Band" is a smart ring that consolidates users' credit, debit and membership cards'

information in a single wearable device, offering the convenience of multiple payment modes.

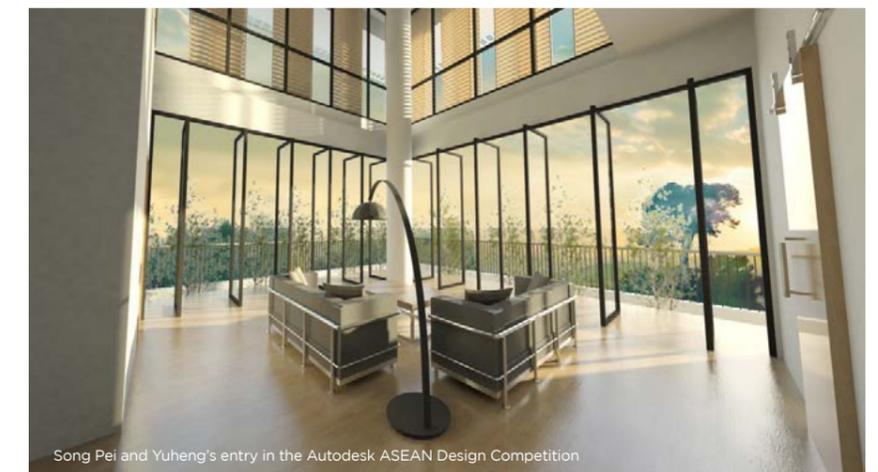
Participating in the "Clean and Green" Hackathon organised by the National Environment Agency (NEA), Agrim Singh and his team came in third place. He is the only student among the winning teams, with the other teams comprising working professionals. 150 participants took part in this Hackathon to develop solutions to

reduce waste, encourage recycling and solve the problem of littering at leisure and sporting events.

After winning the first prize in the DIVA Day 2015 Student Competition with their REST pendant lamp design, Geraldine Quek and Teri Lim presented their work at the Architectural Association in London to over 100 researchers, practitioners, architects and fellow students during DIVA Day 2015. Their work was also displayed at the Architectural Association in London.



Autodesk Fusion 360 Hackathon - "Finger Band"



Song Pei and Yuheng's entry in the Autodesk ASEAAN Design Competition



HOSTEL LIVING

All freshmen students will stay in the hostel for the first three terms. Between mass cookouts to impromptu jamming sessions, this is where you make friends for life.

The hostel blocks are dotted with specially designed interactive spaces, for project discussions or simply to hang out. Roof top viewing decks make perfect spots for barbeques or some late night star gazing.

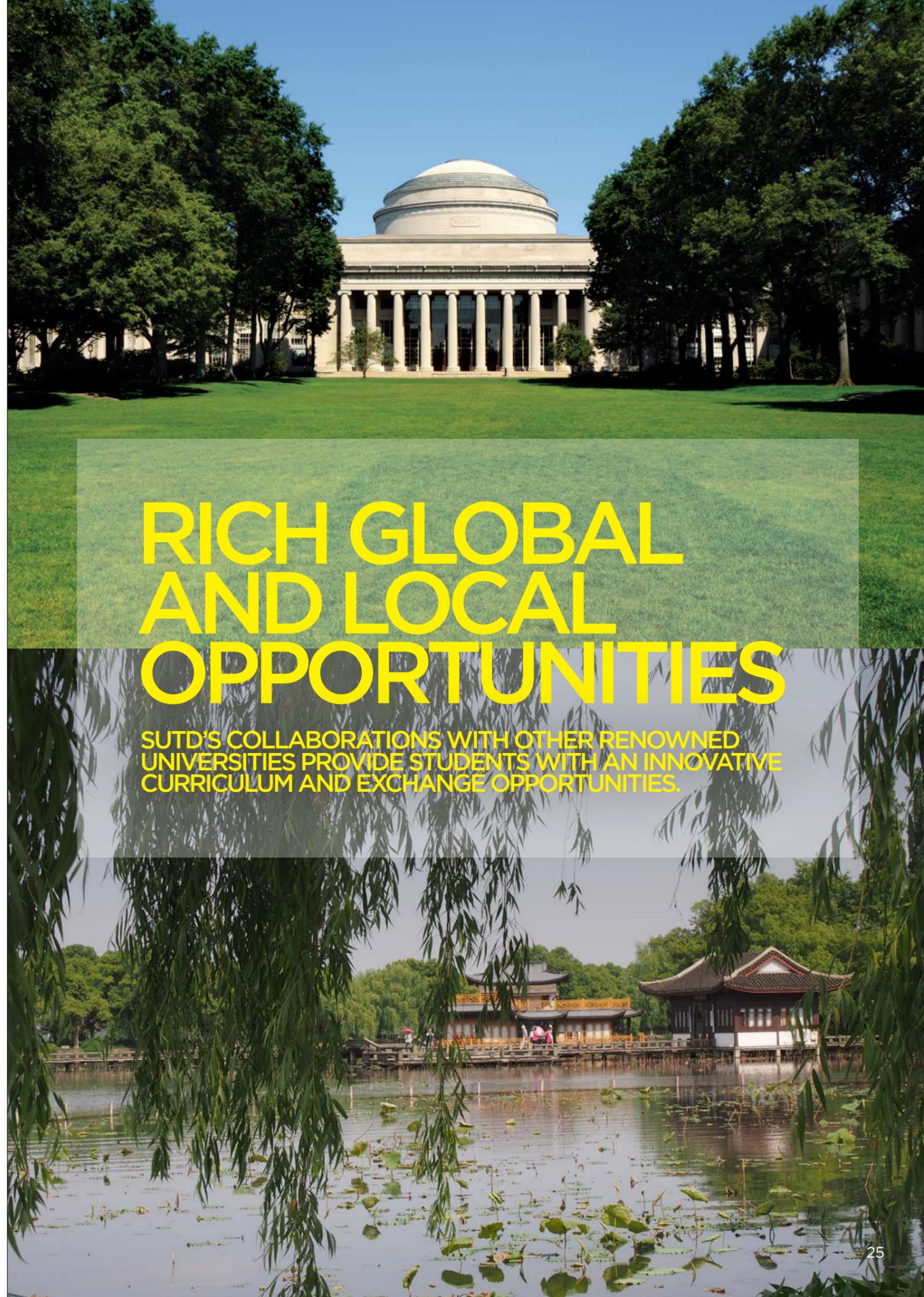
There are plenty of opportunities to express your creativity; with pin boards in the room for your Polaroids and huge white boards to doodle on or scrawl your To Do lists.

We hardly ever have a dull moment in the hostel where all our schoolmates are also our neighbours, friends and confidantes. Whether it is having a nice home-cooked meal together, helping one another with school work or making music, the most mundane of activities, when shared with good company, become the best of times.

- Teri Lim

RICH GLOBAL AND LOCAL OPPORTUNITIES

SUTD'S COLLABORATIONS WITH OTHER RENOWNED UNIVERSITIES PROVIDE STUDENTS WITH AN INNOVATIVE CURRICULUM AND EXCHANGE OPPORTUNITIES.





MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)

SUTD's collaboration with MIT represents MIT's largest international engagement. It is multi-faceted and covers:

- Development of the undergraduate curriculum
- Student exchanges
- Development of SUTD faculty
- Establishment of the SUTD-MIT International Design Centre (IDC), a major research centre based both at SUTD and MIT.

A key point of the collaboration is MIT's development and transfer of the subjects to be taught in the SUTD curriculum. MIT faculty

has played a significant role in developing a blueprint for the curriculum, including its structure and the degrees offered.

MIT also brings its rich global experience and entrepreneurial ecosystem to SUTD, a spirit that has led to tremendous entrepreneurial success among its alumni, and is replicated in SUTD through a novel pedagogy and a vibrant engagement with the industry.

Exchange programmes between MIT and SUTD allow students to share the spirit of innovation and entrepreneurship.

Besides building up SUTD's educational capabilities, MIT contributes to SUTD's research efforts through direct collaboration between SUTD and MIT's faculty.

>100

MIT FACULTY MEMBERS AND STAFF INVOLVED IN THE COLLABORATION.



OF THE UNDERGRADUATE CURRICULUM IS DEVELOPED BY MIT.



OPPORTUNITY FOR EXCHANGE TO MIT.

Exchange programmes between MIT and SUTD allow students to share the spirit of innovation and entrepreneurship.

Every year, there is opportunity to apply for a 10-week summer programme or 3-week winter experience at MIT.



The freedom to learn and explore allowed us to achieve a balance between work and play. Just like how we poured our creativity and hard work into building the electric vehicles not for any grades, but simply for the fun and sense of fulfilment from building something. I believe such motivation is what drew many of us to SUTD in the first place.

- Terence Chew, on his MIT exchange experience.





ZHEJIANG UNIVERSITY (ZJU)

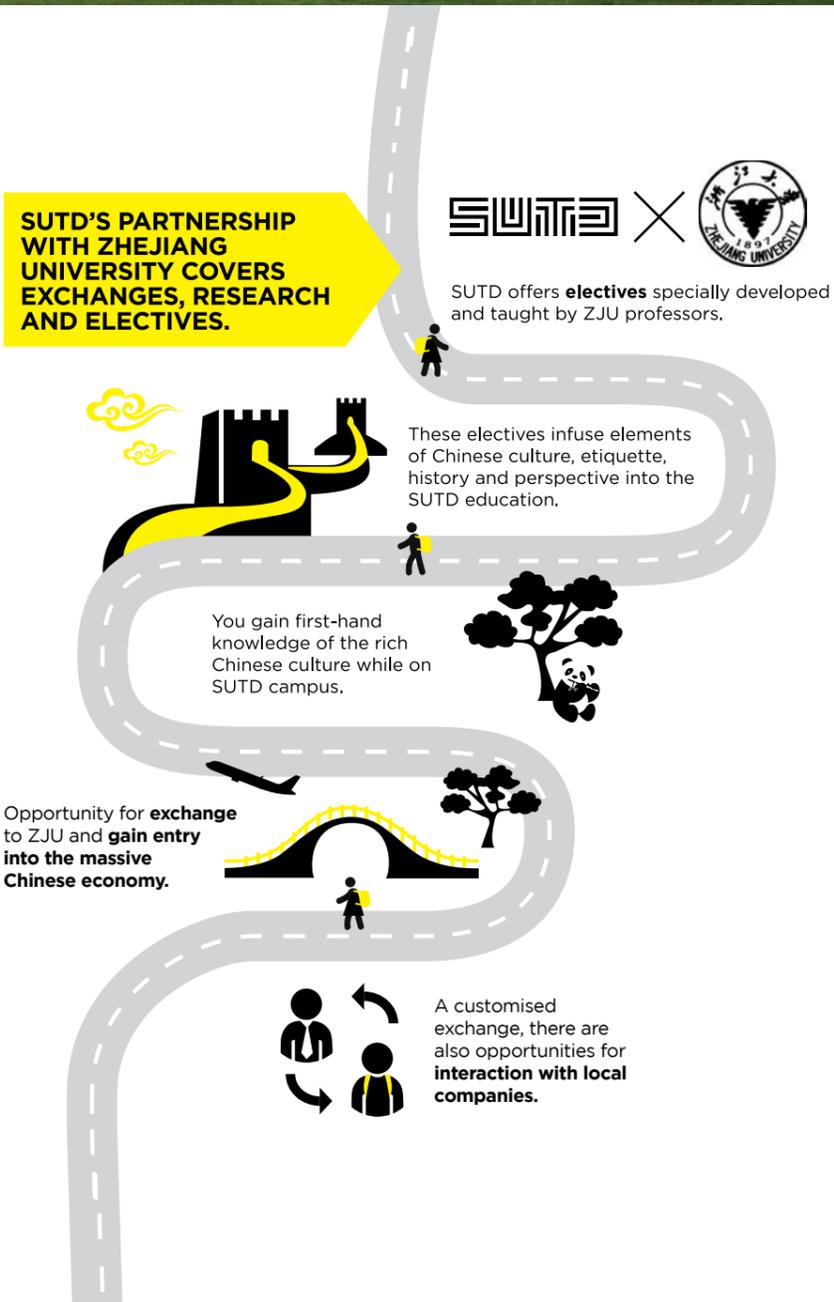
At SUTD, we hope to harness the best practices and values of the East and West. Through our collaboration with MIT and another partnership with ZJU, SUTD is realising this goal. The SUTD and ZJU partnership covers:

- Development of electives
- Student exchanges
- Research

ZJU has developed five electives for SUTD that infuse the elements of Chinese culture, etiquette, history and perspective into the SUTD education. Taught by ZJU professors, you gain first-hand knowledge of the rich Chinese culture and history while on SUTD campus.

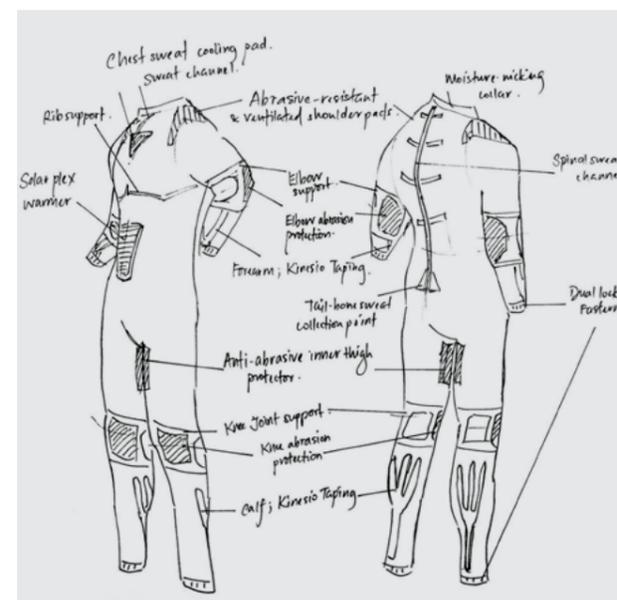
A customised exchange programme lets you benefit from cross cultural interactions and gain entry into the massive Chinese economy - you can work on hands-on design projects and have opportunities to interact with Chinese companies.

SUTD and ZJU jointly partake in research collaborations to address exciting challenges associated with the world today, in areas such as Healthcare, Transportation, Clean Energy and Environment.



There is opportunity to apply for a 13-week exchange to ZJU and take your first step into the massive Chinese economy.

You can work on hands-on design projects and have opportunities to interact with Chinese companies.



Our exchange gave us the chance to engage with Chinese companies and practise real-world applications of design. We completed a full-fledged design process and fabricated functional prototypes.



Source: The Straits Times © Singapore Press Holdings Limited. Permission required for reproduction

SINGAPORE MANAGEMENT UNIVERSITY (SMU)

The SUTD and SMU partnership capitalises on the strengths of each university. It brings together the best thinking and programmatic activities in technology, design and management, so as to address some of the world's most significant research challenges.

A key point of the partnership is the SUTD-SMU Dual Degree Programme in Technology and Management (SUTD-SMU DDP), an unprecedented and prestigious programme that brings together SUTD's strength in technology and design and SMU's expertise in business management.

SUTD-SMU DDP students will graduate with a Bachelor in Engineering from SUTD with a major in one of the following three pillars and a Bachelor in Business Management from SMU.

- Engineering Product Development
- Engineering Systems and Design
- Information Systems Technology and Design

The partnership also facilitates the co-development of five elective courses in management and allows students from both universities to attend them at the partner universities.

As an aspiring entrepreneur, it is amazing how I can apply both engineering and business knowledge to design and market my own product.

- Choo Yue Qi, SUTD-SMU DDP Student



Scan to see what SUTD-SMU DDP students have to say.

6 REASONS TO CHOOSE SUTD-SMU DDP



Best of Both Worlds

- Tap into SUTD's strength in technology and SMU's expertise in business management



Rigorous & Multi-Disciplinary Curriculum

- Integration of design throughout curriculum
- Capstone project incorporating aspects of technology and business



Overseas Opportunities

- Two windows of opportunities for overseas stint



Dual Citizenship

- Dual matriculation cards
- Attend classes at both campuses
- Double the student life



Leadership Development

- Be a student ambassador
- Leadership development in LEAD programme



Diverse Career Opportunities

- Career choices across multiple sectors encompassing technology, business and more
- Career development support from both universities



National Taiwan University



Berkeley, University of California



University of Waterloo

EXCHANGE PROGRAMMES

Besides MIT and ZJU, you will also have the opportunity to go on exchange at

- KTH Royal Institute of Technology (Sweden)
- National Chiao Tung University (Taiwan)
- National Taiwan University (Taiwan)
- University of Waterloo (Canada)

SUMMER PROGRAMMES

You will also have opportunities to apply for summer school at Stanford University or University of California, Berkeley and further broaden your horizons. Brimming with ideas for a start-up? Be a part of the world's largest entrepreneurship summer programme offered by the European Innovation Academy.

STANFORD SUMMER INTERNATIONAL HONORS PROGRAM

The Stanford Summer International Honors Program (IHP) is a collaboration between Stanford University and 20 international teaching and research institutions from 14 countries around the world. You will experience an eight-week programme that combines top-notch academics with co-curricular activities that explore the rich cultural, social and geographical resources of the San Francisco Bay Area.

BERKELEY SUMMER SESSIONS

You will be able to study and interact with students from Berkeley and around the world, as over 16,000 students attend Summer Sessions each year, including more than 3,000 visiting and international students.

EUROPEAN INNOVATION ACADEMY

Designed to offer students an experiential learning opportunity, you will join multi-disciplinary teams to launch new products to the market in a record time of 15 days.

This three-week programme held in two different locations (Nice, France and Turin, Italy) is strongly influenced by prestigious start-up accelerators from Silicon Valley and developed in cooperation with top institutions such as the University of California, Berkeley, Stanford University and Google.

PREPARING YOU TO BETTER THE WORLD

WITH MORE THAN 600 INTERNSHIP OPPORTUNITIES, A PROGRAMME THAT DELIVERS VITAL CAREER SKILLS AND AN ENVIRONMENT THAT FOSTERS ENTREPRENEURSHIP, YOU WILL HAVE ALL THE TOOLS NECESSARY TO TAKE ON THE FUTURE.

INTERNSHIPS

MEETING CHALLENGES OF THE FUTURE

The world is in need of technically grounded leaders equipped to address pressing issues concerning sustainable energy, growing and ageing populations and urbanisation. Engineers and architects are needed to build better and safer buildings as skyscrapers go taller due to land scarcity. Innovative biomedical

products and services are necessary to care for the ageing population. Such knowledge-driven and innovation-powered activities are key in the new economy.

With SUTD's cross-disciplinary and practice-based learning, you will be ready to contribute in areas critical to the world's economic and social development - across industries including aerospace, biomedical/healthcare, buildings and structures, consulting, consumer electronics and digital

media, energy, environment, financial services, manufacturing, robotics, telecommunications and transportation. Or build your own company.

With over 600 companies pledging internship offers, it is a vote of confidence that the SUTD education will meet industry challenges and what the world needs. The strong industry support allows you to make a difference early. A successful internship could also lead to potential employment.

At Accenture, working on fast-paced supply chain projects, I built upon the concepts I learnt at SUTD with industry-specific knowledge.

- Ian Martin Teoh, who interned at Accenture, and subsequently received a job offer from Accenture.

It was about more than just me.

- Doron Teh, who travelled to Cambodia to work with the Golden West Humanitarian Foundation, which is involved in landmine disposal. He worked on creating 3-D printed models as training aids for landmine clearance, that help users identify what to touch or not to when they encounter a landmine.



1/4

received
job offers
after internship

2/3

secured jobs OR
graduate studies
placements
before graduation

Secured jobs in
>70%

of Singapore's
key industries
before graduation

OVER 600 ORGANISATIONS PARTICIPATING IN OUR INTERNSHIP PROGRAMME

AEROSPACE & TRANSPORTATION

- Airbus Helicopters
- Changi Airport Group
- Continental Automotive Singapore
- Cummins
- Embraer
- GrabTaxi
- Jeppesen Asia/Pacific
- Jetstar Asia Airways
- Rolls-Royce
- Singapore Airlines
- SKEV Motors
- smove
- SMRT
- Thales Solutions

ARCHITECTURE & INTERIOR DESIGN

- Aedas
- Arc Studio
- Architect 61
- BYME Singapore
- Consultants Incorporated Architects + Planners
- CPG Corporation
- DP Architects
- Haworth
- LOOK Architects
- ONG&ONG
- PLYSTUDIO
- P&T Group
- RSP Architects
- RT+Q
- SCDA Architects
- Space Matrix
- WATG
- YY Architects

CHEMICALS

- Eastman
- LANXESS
- Mitsui Chemicals

CONSTRUCTION & PROPERTY DEVELOPMENT

- CapitaMalls Asia Limited
- Far East Organization
- Kajima Overseas Asia
- Keppel Land
- Surbana Corporation
- Synergistic Real Estate
- United Engineers Limited

CONSULTING

- Accenture
- Bain & Company
- Beca

DEFENCE TECHNOLOGY

- Singapore Technologies Engineering
- SDDA
- ST Kinetics

ELECTRONICS

- Apple Inc.
- Aztech Technologies Pte Ltd
- Hitachi
- Motorola
- Panasonic
- Philips
- Siemens
- ST Electronics

ENERGY

- BP
- GE Energy
- Schneider Electric
- SembCorp Industries

ENVIRONMENTAL ENGINEERING AND SERVICES

- GE Betz
- WiseWater

FAST MOVING CONSUMER GOODS

- Estee Lauder
- Procter & Gamble

FINANCIAL SERVICES

- Barclays
- BNP Paribas
- Citi
- DBS Bank
- Deutsche Bank
- GIC
- HSBC
- MasterCard
- OCBC Bank
- State Street Capital
- Temasek Holdings
- UBS AG

GAMING

- Garena
- KOEI TECMO
- Ubisoft

GOVERNMENT AGENCY

- Agency for Science, Technology and Research (A*STAR)
- Civil Aviation Authority of Singapore
- Centre for Strategic Infocomm Technologies (CSIT)
- DSO National Laboratories
- Defence Science and Technology Agency (DSTA)
- Housing & Development Board (HDB)
- Infocomm Development Authority (IDA)
- IE Singapore
- JTC Corporation
- Land Transport Authority (LTA)
- Monetary Authority of Singapore (MAS)

- National Environment Agency (NEA)
- National Parks Board (NParks)
- Public Utilities Board (PUB)
- Science Centre Singapore
- SPRING Singapore

HEALTHCARE & MEDICAL TECHNOLOGY

- Boehringer Ingelheim
- Changi General Hospital
- Fortis Healthcare
- Life Technologies
- Medtronic
- MSD Pharma (Singapore)
- MOH Holdings
- Singapore General Hospital
- Singapore Health Services
- Tan Tock Seng Hospital

HOSPITALITY

- Banyan Tree
- Resorts World Sentosa

INDUSTRIAL DESIGN

- XentiQ

INFORMATION TECHNOLOGY

- Autodesk
- Dell Singapore
- EMC
- Fujitsu
- Google
- Hewlett-Packard
- Huawei
- IBM
- Infineon Technologies
- Infosys
- Intel
- Microsoft
- SAP Research
- WD Media
- Works Applications
- Xilinx

INNOVATIVE TECHNOLOGIES

- 3M
- HOPE Technik
- TUM Create

INTEGRATED MARKETING

- Kingsmen

LOGISTICS

- DHL
- FedEx
- YCH Group

LUXURY PRODUCTS

- Porsche Design

MANUFACTURING

- Advanced Micro Devices (AMD)
- CEI Contract Manufacturing

- Celestica
- Daifuku Mechatronics (Singapore)
- Dynacast Singapore
- Heptagon
- Makino
- Symrise AG

MARINE ENGINEERING, OPERATIONS & SHIPPING

- Jurong Shipyard
- Keppel Corporation
- Keppel FELS
- Keppel Singmarine
- Sinoda Shipping Agency

MATERIALS AND DIGITAL DEVICES

- Golden West Humanitarian Foundation
- Ingenico

MEASUREMENT

- Leica Instruments
- National Instruments
- Rohde & Schwarz
- Yokogawa

MEDIA & DIGITAL COMMUNICATIONS

- Aegis Media
- Isobar
- Maxus
- Pixel Onion
- Tinkerbox Studios

MEDICAL RESEARCH

- NUS Yong Loo Lin School of Medicine

PRECISION INSTRUMENTS

- Seiko Instruments Singapore

RISK MANAGEMENT

- DNV (Det Norske Veritas)

ROBOTICS

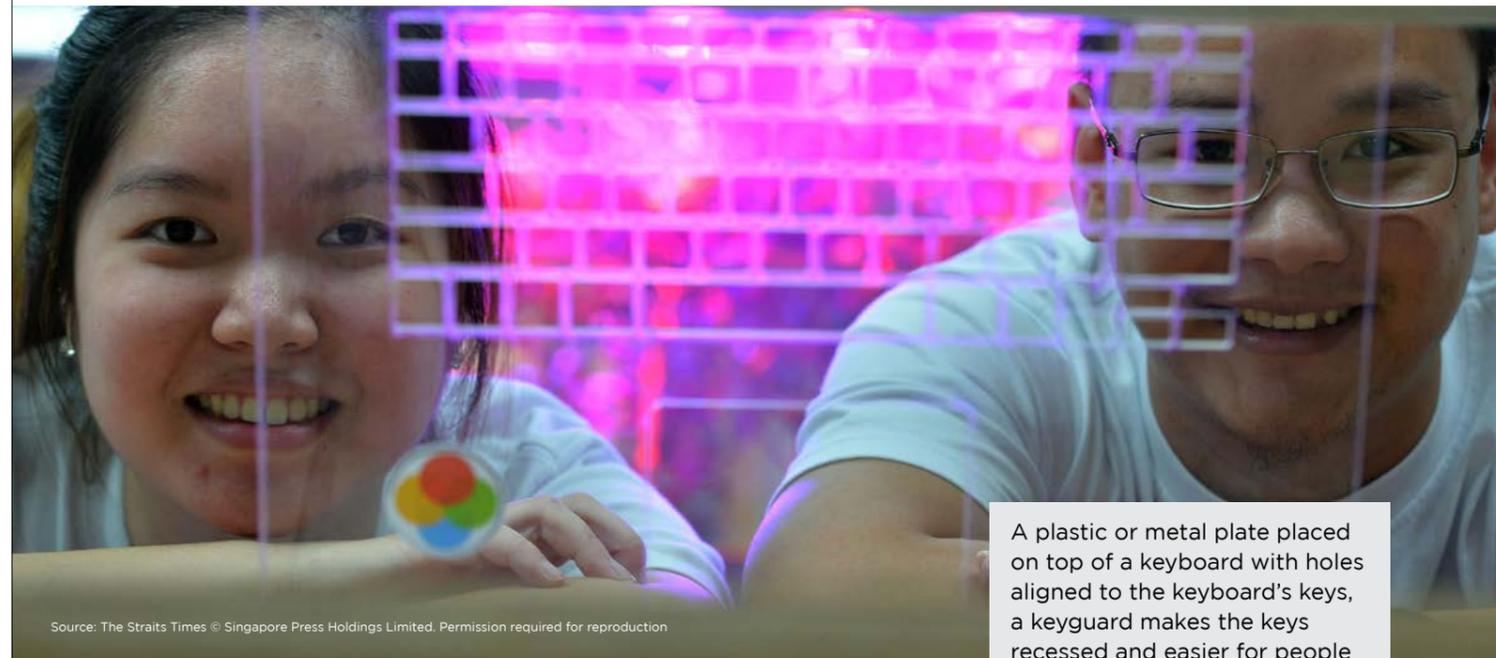
- ABB

SEMICONDUCTOR

- Applied Materials
- Fairchild Semiconductor
- Micron
- TSMC (Taiwan Semiconductor Manufacturing Company)
- GLOBALFOUNDRIES
- IM Flash Singapore
- Kulicke & Soffa
- Silicon Labs
- SSMC
- Jiangyin Changdian Advanced Packaging

TELECOMMUNICATIONS

- BT
- Starhub



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SUTD PREPARES YOU TO BE TECHNICALLY-GROUNDED LEADERS AND INNOVATORS IMPACTING THE WORLD - BE IT IN GRADUATE SCHOOL OR RESEARCH, WORKING FOR A LARGE, SMALL OR EVEN START-UP COMPANY, OR THE GOVERNMENT.

PREPARING YOU TO TAKE ON THE WORLD

Our Undergraduate Practice Opportunities Programme (UPOP)

develops students to be career-ready with essential skills such as resume writing, networking and interviewing. Plus plenty of networking opportunities to help kickstart your career.

FOSTERING AN ENTREPRENEURIAL SPIRIT

SUTD students have varied passions. And they choose to pursue them in a myriad of ways. Many are trailblazers who have founded start-ups to tackle pressing challenges to make the world a better place.

Apart from technical skills, at SUTD I developed a keen understanding of a universal design methodology that is necessary to tackle large, complex and abstract design problems.

We were trained not to shy away from interdisciplinary complex problems but embrace them with the perspective of both engineering and the humanities and social sciences. It is this compatibility of SUTD's education with the needs of real businesses, to understand an increasingly complex digitised world that the SUTD pedagogy shines in the workplace.

- Joshua Cheong,
ISTD Pillar Graduate, Class of 2015
Cross-Franchise Management Associate, Citi

A plastic or metal plate placed on top of a keyboard with holes aligned to the keyboard's keys, a keyguard makes the keys recessed and easier for people with upper limb mobility issues - such as stroke patients or those with Parkinson's disease or muscular dystrophy - to use a keyboard.

Many people in Singapore do not use keyguards because they are costly or do not fit their keyboards.

Co-founders of (these)abilities, Ken Chua (EPD Pillar graduate, Class of 2015) and Christabella Irwanto (ISTD Junior), changed the manufacturing process where the scanned image of a keyboard layout can be sent to a laser cutting facility to cut the plastic according to the layout. With that, keyguards can be customised to fit any keyboard at half the cost.

Other innovations by (these)abilities include a product that allows a bus to carry three wheelchair users safely instead of just one.

Believing in the power of technology and design, Ken chose SUTD to fulfil his dream of creating products that can disable disabilities. (these)abilities aims to do so by designing and building products that level the playing field for persons with disabilities at work, home, or at play.



GRADUATE PROGRAMMES

AS AN SUTD GRADUATE, YOU WILL BE WELL-EQUIPPED TO PURSUE GRADUATE STUDIES.



START YOUR JOURNEY TODAY

THERE IS NO MAGIC FORMULA FOR ADMISSION. OUR ADVICE IS PRETTY SIMPLE - JUST BE YOURSELF.

MIT-SUTD DUAL MASTERS' PROGRAMME

The MIT-SUTD Dual Masters' Programme is offered in collaboration by SUTD and MIT.

During this two-year full-time programme, students will spend up to one year in MIT in the US and the other year in SUTD in Singapore. Upon completion, you will graduate with two Masters degrees: one from MIT and another from SUTD.

SUTD PHD PROGRAMME

The SUTD PhD Programme offers you the chance to collaborate with the best minds in their fields and conduct breakthrough research.

Offered for all four pillars, students who successfully complete the programme will graduate with a PhD degree under the respective pillar.

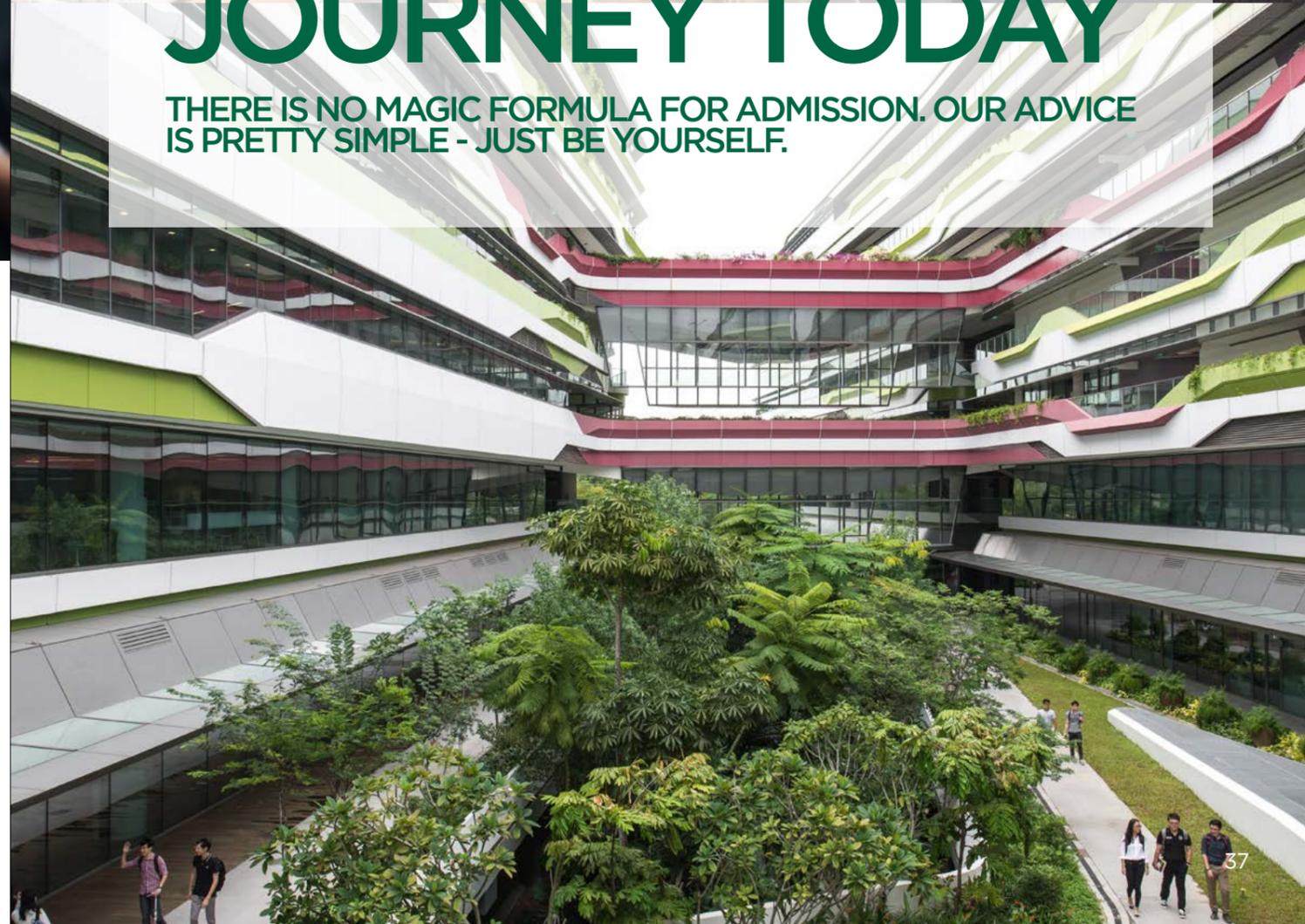
SUTD-NUS JOINT PHD PROGRAMME (SUTD-NUS JDP)

The SUTD-NUS JDP is a joint research programme where PhD

students will be registered with both SUTD and NUS, guided by academic staff from both universities and examined to the standards of both universities.

You will benefit from the multi-disciplinary combination of SUTD's unique Big-D perspective while having access to the vast experience of NUS's Faculty of Engineering; and the research laboratories and facilities of both institutions.

Upon successful completion of the SUTD-NUS JDP, you will be conferred a PhD degree awarded jointly by SUTD and NUS.



SCHOLARSHIPS

SUTD offers prestigious, bond-free scholarships to outstanding students¹.

Scholarship	Value and Benefits
SUTD Global Leadership Programme Scholarship	<ul style="list-style-type: none"> Covers subsidised tuition fees for duration of study Full study-related expenses for exchange programme at either Massachusetts Institute of Technology, Stanford University (Stanford Summer International Honors Program) or University of California, Berkeley (Berkeley Summer Sessions) Living allowance of S\$2,500 every academic term Leadership development through participation in the University Ambassador and Leadership Exploration and Development (LEAD) programmes
SUTD Asian Leadership Programme Scholarship	<ul style="list-style-type: none"> Covers subsidised tuition fees for duration of study Full study-related expenses for exchange programme at Zhejiang University Leadership development through participation in the University Ambassador and Leadership Exploration and Development (LEAD) programmes.
SUTD Undergraduate Merit Scholarship	<ul style="list-style-type: none"> Covers subsidised tuition fees for duration of study
SUTD Undergraduate Scholarship	<ul style="list-style-type: none"> Covers subsidised tuition fees for the first academic year
SUTD-SMU Dual Degree Programme Scholarship	<ul style="list-style-type: none"> Covers subsidised tuition fees for duration of study and/or an allowance for overseas internship, overseas opportunities, laptop, books and stipend

¹ Singapore Permanent Residents (SPRs) or International Students (IS) are also eligible for the above SUTD scholarships, but at the Singapore Citizen (SC) rate. This means that the scholarship will cover the tuition fees at the rate payable by SCs, with the recipient having to pay the difference.



Eligible students can also apply for these attractive, bond-free scholarships supported by donors. These scholarships take into consideration both merit and financial need.

Scholarship	Singaporean (SC)	Singapore PR (SPR)	International (IS)	Eligibility	Tuition Fees	Allowance	Hostel Fees ²	Tenable Period
A C Toh Scholarship	✓	✓	✓	Freshmore	✓		SC	up to 4 years
Far East Engineering/Architecture Scholarship	✓	✓	✓	Freshmore	✓	SC		up to 5 years
Hokkien Foundation Scholarship	✓	✓		Freshmore	✓			1 year
James Dyson Foundation Scholarship	✓	✓		Freshmore	✓	SC		up to 4 years
Keppel Care Foundation Scholarship	✓			Freshmore	✓	SC	SC	up to 4 years
Kewalram Chanrai Group Scholarship for Women	✓		✓	Freshmore	✓	SC		up to 4 years
KKH Scholarship	✓	✓		Freshmore	✓	SC, SPR	SC	up to 4 years
MasterCard Scholarship for Women	✓	✓	✓	Junior	✓			1 year
Mr and Mrs Tan Tuck Meng Scholarship	✓	✓	✓	Freshmore	✓	SC	SC	up to 4 years
Ngee Ann Kongsi Scholarship	✓			Freshmore	✓		SC	up to 4 years
Prima Scholarship	✓			Freshmore	✓	SC	SC	up to 4 years
Rock Scholarship	✓	✓	✓	Freshmore	✓	SC	SC	up to 4 years
SBF Foundation Scholarship	✓			Freshmore	✓	SC	SC	up to 4 years
SCCCF Scholarship	✓	✓		All years	✓			1 year
Singtel Exchange Scholarship	✓			Sophomore	✓	SC		1 year
Temasek Foundation LEARN Scholarship	✓			Sophomore		✓		1 year
Wilmar Scholarship			✓	Freshmore	✓			up to 4 years
Yangzheng Foundation Scholarship	✓	✓		All years	✓	SC		1 year

² Covered only for the Freshmore year. Only for scholarships awarded in 2016 and onwards.

In addition, there are industry-supported scholarships dedicated to SUTD students.

- Keppel Group Scholarship
- SPRING Singapore Executive Development Scholarship (EDS)

For terms and conditions of these scholarships and a list of other scholarships, visit www.sutd.edu.sg/scholarships



OUR APPLICATION IS NOT A TEST – IT IS AN OPPORTUNITY FOR US TO LEARN AS MUCH ABOUT YOU AS POSSIBLE.

BEYOND GRADES, SHARE WITH US YOUR ABILITIES, YOUR INTERESTS AND YOUR GOALS – AS FULLY AS POSSIBLE.



REGISTER FOR AN ACCOUNT

Application is done online, and there is no application fee! Start by registering for an account at ugadmissions.sutd.edu.sg. You can work on your application in multiple sessions, editing it as many times as you wish before submitting it electronically.

OUR HOLISTIC ASSESSMENT PROCESS

In selecting students for admission to SUTD, we consider the applicant's profile holistically. Apart from submitting your grades, we require you to list your CCAs and other achievements, and to provide your school teachers' contacts for recommendation letters.

You are also encouraged to submit a link to your blog or a video (of up to 90 seconds), or upload any supplementary materials that would showcase your creativity, hands-on experience, leadership qualities or any other information that would help us get to know you better.

Once you are shortlisted, you will be required to submit your answers to a few short response questions before the interview. Your responses will help the interviewers get to know you before the session. The

interview can either be in person (preferred) or via Skype (only for those who are overseas). More like a chat, this is a great opportunity for us to find out more about you - who you are, what drives you, and what makes you tick, and for you to do the same.

✉ admissions@sutd.edu.sg
☎ +65 6303 6655

IMPORTANT TIMELINES

You do not want to be denied admission (the first academic term starts in May) because you missed out on important timelines. Visit www.sutd.edu.sg/apply for detailed application periods. Note them down!

TUITION FEES

Tuition fees¹ are S\$11,900 per academic year (consisting of two terms) for Singapore citizens, S\$16,650 per academic year for Singapore permanent residents and S\$23,800 per academic year for international students. NSFs are strongly encouraged to apply now to secure admissions offers at the current tuition fees. SUTD's tuition fees are highly subsidised by the Singapore Government. To find out more, visit www.sutd.edu.sg/fees

¹Subject to change.

FINANCIAL AID

Our aim is to advance knowledge and nurture technically grounded leaders and innovators to serve societal needs. To achieve this mission, we recruit and enrol the most talented and promising students, make our admissions decisions without regard to family financial circumstances and award our aid based on financial need. We aim to make SUTD accessible and affordable for all students. We have a series of financial aid options available, including these.

- CSE Global Engineering Bursary Award
- Deutsche Bank Study Award
- DSO National Laboratories Bursary Grant
- Goh Foundation Bursary Award
- Hokkien Foundation Study Award
- Keppel Bursary Award
- Linn In Hua Bursary Award
- Mapletree Bursary Award
- Ngee Ann Kongsu Bursary Award
- Rigel Technology Bursary Grant
- RQAM Study Grant
- Singapore Chinese Chamber of Commerce Foundation Study Award
- TAK Bursary Award
- Tan Chay Bing Study Award
- The Silent Foundation Minority Bursary
- Yangzheng Foundation Study Award

To find out more, visit www.sutd.edu.sg/financialaid



SINGAPORE UNIVERSITY OF
TECHNOLOGY AND DESIGN

Established in collaboration with MIT

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