

ASD
CSD

DAI
EPD

ESD

OVERVIEW



S



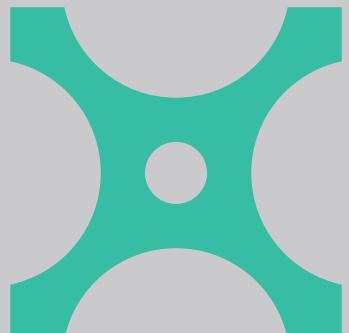
INNOVATION
BEYOND
IMAGINATION



3D-Autoregressive-Furniture

AI-generated 3D CleanNFTs minted for a charitable fundraising initiative on the more environmentally sustainable Proof-of-Stake blockchain by SUTD's Assistant Professor Immanuel Koh (ASD and DAI).

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TRAILBLAZING A BETTER WORLD BY DESIGN.

DESIGN ARTIFICIAL INTELLIGENCE TECHNOLOGY

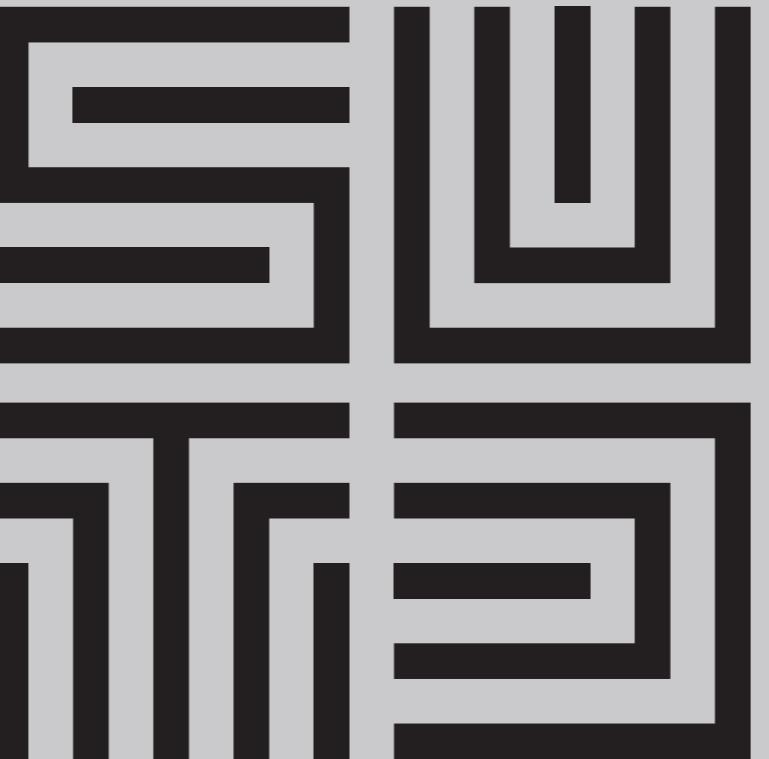
AI alone is just deep tech. Design AI is the ability to look at real world problems and leverage on AI to find effective, translatable solutions. It is Innovation Beyond Imagination. SUTD's unique inter- and multi-disciplinary pedagogy means that AI is weaved into design solutioning every step of the way across disciplines, ensuring that the solution is not only more robust and seamless, but also explores all conceivable possibilities at every layer.

When you join SUTD, you don't just equip yourself with future-ready skills, you position yourself at the forefront of design innovation!

The world's first cohort of Design AI students graduated in May 2024 and have secured roles in a broad spectrum of industries including e-commerce, telecommunications, aviation, consulting, semiconductors, and defence technology. The Design AI skills they have garnered over the course of their time in SUTD have enabled them to take on roles as diverse as Solutions Architecture, Product Management and Quality Engineering Management.



THE WORLD'S FIRST DESIGN AI UNIVERSITY.



PROGRAMME OFFERINGS

5

Undergraduate
Programmes



ASD

CSD

DAI

EPD

ESD

Architecture and Sustainable Design
BACHELOR OF SCIENCE

Computer Science and Design
BACHELOR OF ENGINEERING

Design and Artificial Intelligence
BACHELOR OF SCIENCE

Engineering Product Development
BACHELOR OF ENGINEERING

Engineering Systems and Design
BACHELOR OF ENGINEERING

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4

Special
Programmes



On top of the five undergraduate programmes, our suite of special programmes are designed to stretch your abilities beyond technology and design.

SUTD-DUKE-NUS SPECIAL TRACK

Graduate with a **Bachelor of Engineering (BEng)** or **Science (BSc)** degree at SUTD and may proceed to pursue a **Doctor of Medicine (MD)** degree at Duke-NUS Medical School[^].

[^] Contingent on academic performance and other criteria such as Medical College Admission Test (MCAT).

SUTD HONOURS AND RESEARCH PROGRAMME (SHARP)

Graduate with a **Bachelor of Engineering (BEng)** or **Science (BSc)** degree, with the option to pursue a **Concurrent BEng-Master of Engineering (MEng) by Research Degree Pathway (CDP)***

* Only selected SHARP students in CSD, EPD and ESD are eligible for application to the CDP.

SUTD-TIANJIN ECO-CITY (SUTD-TEC) PROGRAMME

Graduate with a **Bachelor of Engineering (BEng)** or **Science (BSc)**[#] degree and with a **Minor in Sustainability by Design**[#].

[#] Minor in Sustainability by Design is not required for students pursuing the BSc in Architecture and Sustainable Design.

UNDERGRADUATE SUTD TECHNOLOGY AND ENTREPRENEURSHIP PROGRAMME (USTEP)

Graduate with a **Bachelor of Engineering (BEng)** or **Science (BSc)** degree.

Information on the Special Programmes is subject to change, please scan QR code for latest updates.

GRADUATE PROGRAMMES**

** Programmes offered are subject to change from year to year. Please scan QR code for latest updates.

MASTER'S PROGRAMMES

Master of Engineering

- Master of Engineering (Interdisciplinary)
- Master of Innovation by Design
- SUTD-CGU Dual Masters Programme in Nano-Electronics Engineering and Design

Master of Architecture

Master of Science (Coursework)

- Master of Science in Design and AI for Enterprise
- Master of Science in Security by Design
- Master of Science in Urban Science, Policy and Planning

Master of Science in Technology and Design (Coursework), offered in the following tracks:

- Advanced IC Design and Technology
- AI and Technology in Education
- Architectural Design Computation
- Cybersecurity
- Data Science
- HealthTech Innovation
- Human-Centred Design
- IC Design, Failure Analysis and Reliability
- Robotics & Automation
- Sustainable Product Design
- Sustainable Urban Design

PHD PROGRAMMES

- SUTD PhD Programme
- SUTD-NUS Joint PhD Programme
- SUTD Engineering Doctorate (EngD) Programme



FIND
OUT
MORE

SUTD ACADEMY (CONTINUING EDUCATION AND TRAINING)

Upskill and stay abreast of today's tech-driven economy with a comprehensive range of long and short-term programmes.

- Short Courses
- SkillsFuture Career Transition Programme (SCTP)
- Professional Certificate Programme
- Executive Programme
- ModularMaster Programme
- Customised Corporate Training Programme



FIND
OUT
MORE

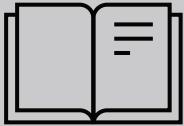
SCHOLARSHIPS

Outstanding students can be considered for attractive, bond-free scholarships either by SUTD or supported by donors. These scholarships for undergraduates provide opportunities for overseas exposure as well as for the development of leadership skills as a University Ambassador.



FIND
OUT
MORE

WHY ↑ SUTD?



90% of undergraduate curriculum developed by MIT.

Only Design AI university in the world to offer a truly unconventional, interdisciplinary education.



THE SUTD DIFFERENCE



SUTD'S DESIGN

Dive into the full spectrum of SUTD's Design, from ideation to implementation. This all-encompassing training fuels your creativity, hones your problem-solving and cultivates a deep appreciation for the art of innovation in the creation of human-centric solutions.



GLOBAL EXPOSURE FOR ALL UNDERGRADUATES

Travel the world through field trips, exchange programmes and internships.



THEORIES BROUGHT TO LIFE

Learn through interactive, hands-on classroom experiences - simulations, live demos, designettes and more. You can also bring your design ideas to life at the SUTD Fabrication Lab.



BRING YOUR IDEAS TO LIFE TOGETHER WITH REAL COMPANIES

Throughout their time with SUTD, undergraduates will have worked on over 20 different design projects spanning diverse, emerging real-world challenges. Our strong industry ties also ensure that all students can look forward to experiences such as consulting with Dyson engineer mentors in the Dyson-SUTD Innovation Studios.



11:1 STUDENT TO FACULTY RATIO

Enjoy small classroom sizes for more effective, collaborative learning.



DIVERSE PERSPECTIVES

Embrace diversity with a cohort that is at least 40% female.

Redefining innovation with transformative solutions:



Mustango:
First-of-its-kind Artificial Intelligence (AI) model that generates music from text prompts.



Our drone technologies have been applied in various instances, including viaduct and tree inspection, building and supertree cleaning, weather data collection, and egg retrieval.

AN INTERDISCIPLINARY APPROACH

SUTD is the only university in the world to offer a truly unconventional education with an interdisciplinary pedagogy. All students, regardless of majors, will be exposed to integrating knowledge from all disciplines, throughout all levels of study in the university as part of their training.

This dynamic interdisciplinary approach empowers students and faculty to develop human-centric solutions that are more creative and holistic.

Our curriculum provides students a strong foundation in science, mathematics and technology to build foundational literacy for future careers and endeavours. We also foster creativity and entrepreneurship and emphasise the importance of broad perspectives informed by the humanities, arts and social sciences.

DO YOU KNOW THAT SUTD STUDENTS OF DIFFERENT MAJORS WORK TOGETHER ON THEIR CAPSTONE PROJECTS TO DESIGN INTERDISCIPLINARY SOLUTIONS FOR OUR INDUSTRY PARTNERS?

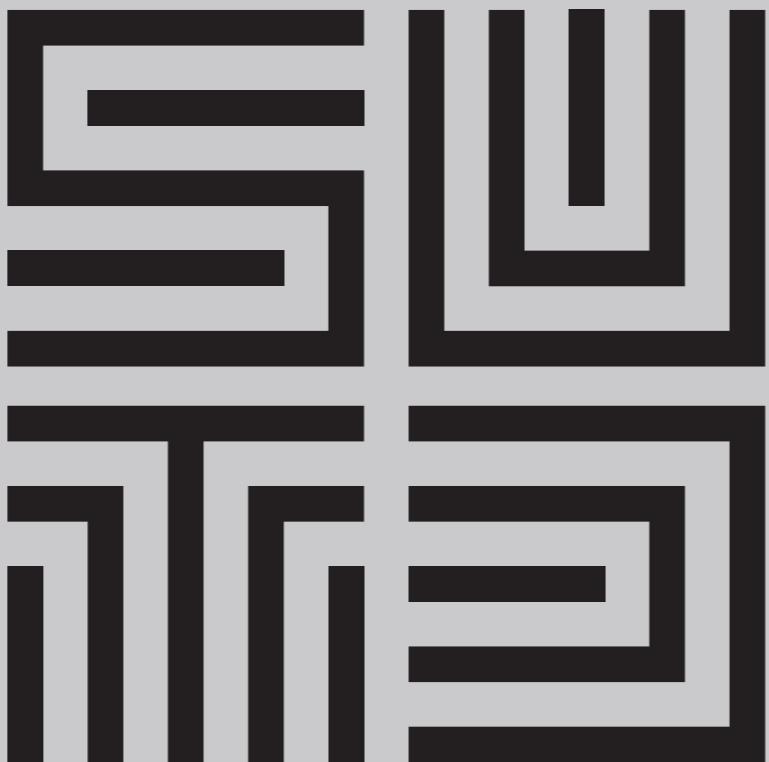
CHECK OUT SOME OF OUR CAPSTONE PROJECTS:


Seaforms:
A sea city built out of modular, self-sustainable floating platforms to tackle land scarcity and rising sea levels.

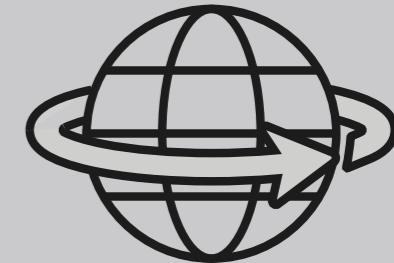

Glowing Guide:
A personalised indoor navigation system that scans shoeprints and provides projections of optimised directional assistance for patients and caregivers in hospitals, developed in collaboration with Alexandra Hospital's Healthcare Redesign department.


N'Able:
A wearable to aid navigation for the blind and visually impaired community.

TRAILBLAZING A BETTER WORLD BY DESIGN.



PREPARE TO TAKE ON THE WORLD



Discover our latest Graduate Employment Results.

KICKSTART YOUR CAREER JOURNEY

AT SUTD, you'll complete at least one internship with our extensive network of over 1,400 industry partners. We achieved strong graduate employment results despite a slowing economy.

91.5%

Overall employment rate

\$5,102[^]

Mean gross monthly salary

>50%

Received two or more job offers

>1 in 3

Received job offers from their internships

Source: 2022 Graduate Employment Survey jointly conducted by NTU, NUS, SIT, SMU, SUSS, and SUTD.

Our graduates are highly sought after by top employers locally and internationally that include:

- A*STAR
- Accenture
- Advanced Micro Devices
- Changi Airport Group
- Citibank
- Cognizant Technology Solutions
- DBS BANK
- Defence Science and Technology Agency
- DP Architects
- DSO National Laboratories
- Dyson
- EY
- Government Technology Agency (GovTech)
- Grab
- Hewlett Packard Enterprise
- Home Team Science and Technology Agency
- Infineon Technologies
- JPMorgan Chase & Co
- Land Transport Authority
- LionsBot International
- Micron
- NCS
- PricewaterhouseCoopers
- Schneider Electric
- Shopee
- Singtel
- SMRT Corporation
- ST Engineering
- Surbana Jurong
- Visa

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Yam Kum Weng
Chief Executive Officer (CEO)
of Changi Airport Group

SUTD's unique multi-disciplinary curriculum gives their graduates an edge in integrated solution and systems thinking, especially important under the changing aviation landscape.

NURTURING "DESIGN INNOVATORS" WITH UNIQUE SKILLS

What our students are trained to be:



Human-Centric Designers



Global & Systems Thinkers



Makers (of anything)

THE SUTD ENTREPRENEURIAL DNA

The power of Innovation has cultivated a strong entrepreneurial culture with 80 start-ups at SUTD. Check out some of these start-ups by SUTD alumni.



BEEP

Digitising payment solutions.



STICK'EM

Making STEAM education accessible to all.



SGP FOODS

Building Singapore's food and climate resilience.



AFFABLE

Discovering, engaging and measuring authentic social media influence with AI.



Learn about our SUTD faculty, alumni and students featured in Forbes 30 under 30 Asia Class of 2023.



CORNERSTONES OF THE SUTD EXPERIENCE



LEVERAGING THE WORLD AS YOUR CLASSROOM

Build a global perspective with opportunities to travel the world through exchange programmes, summer and winter programmes, research programmes, internships, and more.

ALL STUDENTS⁺⁺

will have opportunities for global exposure and immersion.

79

partner universities in 24 countries.

>320

student exchange opportunities.

GEO

Global Exploration Opportunities (GEO): Short immersion trips to Asia.

>30

summer and winter programmes

⁺⁺ Includes trips, internships and collaborations with international companies.

RESEARCH OPPORTUNITIES

Besides working on industry projects during class, you'll also have the chance to be part of groundbreaking research.



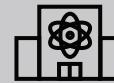
All undergraduates get to do research right from Day One, with ready access to funding and faculty mentors.



Over 8,174 publications and 187,256 citations.



481 technology disclosures, 269 patents filed, and 44 patents granted.



13 research centres.



Over \$665 million external research funding secured since 2010.

Data as of 31 March 2024

WORLD-CLASS FACULTY

TOP 2%

More than a quarter of SUTD's faculty are ranked among the top 2% of the world's best scientists^{^^}, so you'll be learning and working alongside some of the best in the world!

^{^^}Source: Database released by Stanford University and Elsevier BV that identifies the world's top scientists across 22 scientific fields and 174 sub-fields.



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