






# 2026 NUS YOUNG FELLOWSHIP PROGRAMME

**22 June – 30 July 2026**





Please note that the information provided in the handbook is subject to change. We strive to ensure that the content remains accurate and up-to-date, but there may be instances where updates or modifications are necessary.



We appreciate your understanding and flexibility as we continue to enhance and refine the programme to provide the best experience for all participants. Rest assured, any changes will be communicated to you promptly to ensure you have the most current and relevant information throughout your journey with us.



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# Welcome

We warmly welcome you to the 2026 NUS Young Fellowship Programme.

You join a distinguished cohort of exceptional students representing 26 nationalities, 5 continents, and 65 universities. We look forward to an enriching journey, both in person and online, where you will engage with cutting-edge AI research, connect with like-minded peers, and explore what the National University of Singapore has to offer.

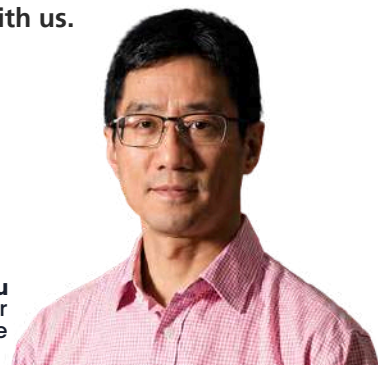
Artificial intelligence (AI) takes centre stage this year, reflecting the rapid transformation it is driving across disciplines and industries. Throughout the programme, you will interact with faculty and administrative units across the university—including Computing, Engineering, Medicine, Business, Arts, and Music—each showcasing how AI is reshaping their fields. From large language models to psychological insights, from biomedical innovation to the emerging bioeconomy, from entrepreneurship to music creation, you will experience the breadth of possibilities that emerge when technology converges with human creativity and ingenuity.

This week is as much about people as it is about research. You will work alongside talented students from diverse backgrounds, exchange ideas and cultures, and hopefully, form lasting friendships. Beyond the lecture halls, you will visit research centres and laboratories, participate in corporate immersions and industry visits, and have the unique opportunity to engage directly with faculty, including a lecture by the NUS Provost.

We encourage you to be curious, ask bold questions, and make the most of these invaluable interactions. For those contemplating postgraduate study, this programme offers meaningful insight into graduate life at NUS. You will discover how we foster interdisciplinary collaboration, advance cutting-edge research, and support entrepreneurial ventures. Our doors are open for discussions about your academic future, and we are here to assist you in navigating the possibilities.

May this fellowship broaden your horizons and inspire new directions in your studies and future career. Once again, welcome to NUS—we are delighted to have you with us.

**Associate Professor Eddie Lau**  
Programme Director  
NUS Young Fellowship programme



# Important Notes

## Accommodation

You will be staying at **NUS College of Alice & Peter Tan (CAPT)**.

## Session Venue

Ngee Ann Kongsi Auditorium,  
Level 2 Education Resource Centre, NUS Utown

## Punctuality

Please arrive at the auditorium at least 15 minutes before the scheduled talks or workshops to allow everyone to settle down and ensure the session starts on time.

## Meal Arrangements

Lunch is only provided on selected days (please refer to the programme schedule), while dinner is not included.

Participants are encouraged to explore NUS dining options, with recommendations available from Student Facilitators or the [NUS Food and Beverage Directory](#).

## Stay Connected

Log in to [NUS Canvas](#) to receive updates and announcements, and to connect with fellow participants. You will receive a separate email with your login credentials.



# Challenges

In addition to the workshops and talks, you will also take part in three challenges.

## TikTok Challenge



Create a short video (not more than 2 minutes) on TikTok to share on your NUS experience.

Get started even before you arrive in Singapore.

Document your experiences at NUS and in Singapore. Record the various moments of your journey through the NUS Young Fellowship Programme.



Gather the most views and likes by 24 July

## Three Minutes Thesis (3mt)



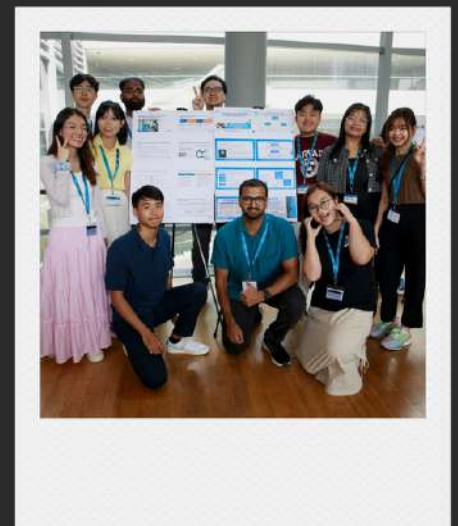
Prepare a 3-Minute Thesis video. The format and topic will be shared during the 1 week in NUS.

Tutorials via Zoom will be provided after you have returned to your home country.

**Round 1**  
Submit 3MT Video by 22 July, 12pm

**Round 2**  
Shortlisted candidates will present live (over Zoom) on 30 July, 8pm

## Poster Competition



### Round 1

- Prepare and design posters based on the Challenge Statement (to be shared on 22 June).
- Each group to have maximum of 8 slides / A4 sized posters.
- Judging to take place on 26 June.

### Round 2

- Shortlisted candidates will present live on 26 June, 2pm



# TikTok Challenge

## How To Join?

1. Create an original TikTok video (from 30 seconds to 2 minutes) about your NUS experience.
2. Upload the video to your personal TikTok account using the hashtags: **#2026NUSYFP #NUS #NUSYoungFellowshipProgramme**.
3. Ensure your TikTok account is set to public.
4. Submission deadline: 24 July 2026

## Competition Guidelines

- The competition is open to all participants from the NUS Young Fellowship Programme 2026.
- Participants can enter as individuals or in teams (maximum of three members per team). Please note that group entries will only be awarded one prize for the group, not for each individual member.
- Each participant may submit only one video. Submissions received after the deadline will not be considered.
- Videos may be presented in English or your native language. However, videos not in English must include English subtitles.
- Acceptable video formats include Documentary, Cinematography, Vlog, Story-based, Montage, and Freestyle.
- Participants must use suitable sounds and/or music and ensure their skit, dance, or appearance is appropriate. Entries must not contain endorsements of products or services, or any obscene, violent, racist, or defamatory content.



**Each winner will receive a SGD 100 Amazon gift card!**



# TikTok Challenge

## "MY JOURNEY THROUGH THE NUS YOUNG FELLOWSHIP PROGRAMME 2026"

### WINNING CRITERIA:

- 60%: Number of likes on the videos
- 40%: Internal review by NUS Young Fellowship Programme 2026 Committee (selected members)

The organizers and judges reserve the right to require participants to remove any contest video from their TikTok accounts if it is deemed to violate the competition rules or terms and conditions, or if it could bring the competition into disrepute.



Watch the champion videos from the 2025 NYFP TikTok Challenge.

### COPYRIGHT AND PERMISSION

The copyright of all materials submitted for this competition remains with the respective participants. By entering the competition, participants grant the National University of Singapore a licence to use the submitted materials for educational and/or marketing purposes across web-based platforms and other digital or print media for a period of three years.

If submitted materials include content from third-party individuals or organisations, participants are responsible for obtaining the necessary permissions and/or licences. The University will not be held liable for any failure to secure copyright clearance prior to submission.



# Programme Overview

22 June 2026 Monday	23 June 2026 Tuesday	24 June 2026 Wednesday	25 June 2026 Thursday	26 June 2026 Friday
<b>8.00 am</b> Breakfast at Education Resource Centre (ERC)				
<b>9:00am – 9:10am</b> Opening & Welcome  <b>Prof Aaron Thean</b>	<b>9:00am – 10:30am</b> Data-Centric AI for Large Language Foundation Models  <b>Assoc Prof Bryan Low</b>	<b>9:00am – 10:30am</b> AI and Robots in Our Uniquely Human World: A Psychological Perspective  <b>Prof Sam, Yam Kai Chi</b>	<b>9:00am – 10:30am</b> 3 Minutes Thesis (3MT)  <b>Dr Rafi Rashid</b>	<b>9:00am – 10:30am</b> Innovating Learning and Research at NUS Libraries  <b>Assoc Prof Natalie Pang</b>
<b>9:10am – 9:20am</b> Introduction & Admin Brief  <b>Assoc Prof Eddie Lau</b>  Group Photo Taking				
<b>9:30am – 10:30am</b> AI and Semiconductor  <b>Prof Aaron Thean</b>				
<b>10.30 am – 11:00 am</b> Break				
<b>11:00am – 12:30pm</b> Problem-solving “Rough Rapid Right”  <b>Assoc Prof Chai Kah Hin</b>	<b>11:00am – 12:30pm</b> Synthetic Enzymology for Human and Planetary Health: Biomanufacturing in an Impending BioEconomy  <b>Assoc Prof Yew Wen Shan</b>	<b>11:00am – 12:00pm</b> More Than Grades: Student Wellness and Life @ NUS  <b>NUS Office of Student Affairs</b>	<b>11:00am – 12:30pm</b> Discover Musical Worlds Through AI Music Creation  <b>Mr Francis Tan</b>	<b>11:00am – 12:30pm</b> Longevity is Personal  <b>Prof Dean Ho</b>
<b>12.30 pm – 1.30 pm</b> Lunch				
<b>1:30pm – 2:30pm</b> What is GenAI?  <b>Dr. Amirhassan Monajemi</b>	<b>1:30pm – 3:00pm</b> Leveraging on AI for Career Readiness: Insights from CFG  <b>Ryan Ang &amp; Dr. Benjamin Tan, NUS CFG</b>	<b>1:30pm – 4:00pm</b> Corporate & Industry Immersion  <b>NUS Centre for Future-ready Graduates</b>	<b>1:30pm – 3:00pm</b> The NUS GRIP Experience (NUS Enterprise)  <b>Kevin Leung, Programme Director</b>	<b>2.00 pm - 3.00 pm</b> Poster Competition
<b>2:30pm – 4:00pm</b> Explore Graduate Opportunities at NUS  <b>NUS Graduate School &amp; NUS SCALE</b>	<b>3:30pm – 5:30pm</b> NUS Research, Resources & Infrastructure Showcase:  Selected Lab and Site Visits		<b>3:30pm – 5:00pm</b> NUS Research, Resources & Infrastructure Showcase:  Selected Lab and Site Visits	<b>3:00pm – 4:00pm</b> Group Presentation for Selected Posters
<b>4:00pm</b> Guided NUS Campus Tour				<b>4:00pm – 5:00pm</b> Award Ceremony, Closing Address  <b>Prof Wong Lim Soon</b>  Group Photo Taking
<b>End of day</b>				

Please note that the programme is subject to change, NUS reserves the right to amend it without prior notice.



# Day 1

22 June 2026, Monday

8.00am	<b>Breakfast</b> 📍 Education Resource Centre (ERC)
9.00am	<b>Opening &amp; Welcome</b> Professor Aaron Thean 📍 Ngee Ann Kongsi Auditorium
9.10am	<b>Introduction &amp; Admin Brief</b> Associate Professor Eddie Lau <b>Group Photo Taking</b> 📍 Ngee Ann Kongsi Auditorium
9.30am	<b>AI and Semiconductor</b> Professor Aaron Thean 📍 Ngee Ann Kongsi Auditorium
10.30am	<b>Break</b>
11.00am	<b>Problem-Solving "Rough Rapid Right"</b> Associate Professor Chai Kah Hin 📍 Ngee Ann Kongsi Auditorium
12.30pm	<b>Lunch - Explore and Get Your Own Lunch</b>
1.30pm	<b>What is GenAI</b> Dr. Amirhassan Monajemi 📍 Ngee Ann Kongsi Auditorium
2.30pm	<b>Explore Graduate Opportunities at NUS</b> NUS Graduate School & NUS SCALE 📍 Ngee Ann Kongsi Auditorium
4.00pm	<b>NUS Campus Tour</b> Guided by Student Facilitators 📍 NUS Kent Ride Campus



# Day 2

23 June 2026, Tuesday

8.00am	<b>Breakfast</b> 📍 Education Resource Centre (ERC)
9.00am	<b>Data-Centric AI for Large Language Foundation Models</b> Associate Professor Bryan Low 📍 Ngee Ann Kongsi Auditorium
10.30am	<b>Break</b>
11.00am	<b>Synthetic Enzymology for Human and Planetary Health: Biomanufacturing in an Impending BioEconomy</b> Associate Professor Yew Wen Shan 📍 Ngee Ann Kongsi Auditorium
12.30pm	<b>Lunch - Explore and Get Your Own Lunch</b>
1.30pm	<b>Leveraging on AI for Career Readiness: Insights from CFG</b> Ryan Ang & Dr. Benjamin Tan, NUS CFG 📍 Ngee Ann Kongsi Auditorium
3.30pm	<b>NUS Research, Resources &amp; Infrastructure Showcase: Selected Lab and Site Visits</b> Students will be grouped accordingly, with each group led by NYFP facilitators for guided laboratory tours. 📍 Multiple Locations, NUS
5.30pm	<b>End of Day 2</b>



# Day 3

24 June 2026, Wednesday

8.00am	<b>Breakfast</b> 📍 Education Resource Centre (ERC)
9.00am	<b>AI and Robots in Our Uniquely Human World: A Psychological Perspective</b> Professor Sam, Yam Kai Chi 📍 Ngee Ann Kongsi Auditorium
10.30am	<b>Break</b>
11.00am	<b>More Than Grades: Student Wellness and Life @ NUS</b> NUS Office of Student Affairs 📍 Ngee Ann Kongsi Auditorium
12.30pm	<b>Lunch - Explore and Get Your Own Lunch</b>
1.30pm	<b>Corporate &amp; Industry Immersion</b> NUS Centre for Future-ready Graduates (CFG) 📍 Ngee Ann Kongsi Auditorium
4.00pm	<b>End of Day 3</b>



# Day 4

25 June 2026, Thursday

8.00am

## Breakfast

📍 Education Resource Centre (ERC)

9.00am

## 3 Minutes Thesis (3MT)

Dr Rafi Rashid

📍 Ngee Ann Kongsi Auditorium

10.30am

## Break

11.00am

## Discover Musical Worlds Through AI Music Creation

Mr Francis Tan

📍 Ngee Ann Kongsi Auditorium

12.30pm

## Lunch - Explore and Get Your Own Lunch

1.30pm

## The NUS GRIP Experience (NUS Enterprise)

Kevin Leung, Programme Director

📍 Ngee Ann Kongsi Auditorium

3.30pm

## NUS Research, Resources & Infrastructure Showcase: Selected Lab and Site Visits

Students will be grouped accordingly, with each group led by NYFP facilitators for guided laboratory tours.

📍 Multiple Locations, NUS

5.30pm

## End of Day 4



# Day 5

26 June 2026, Friday

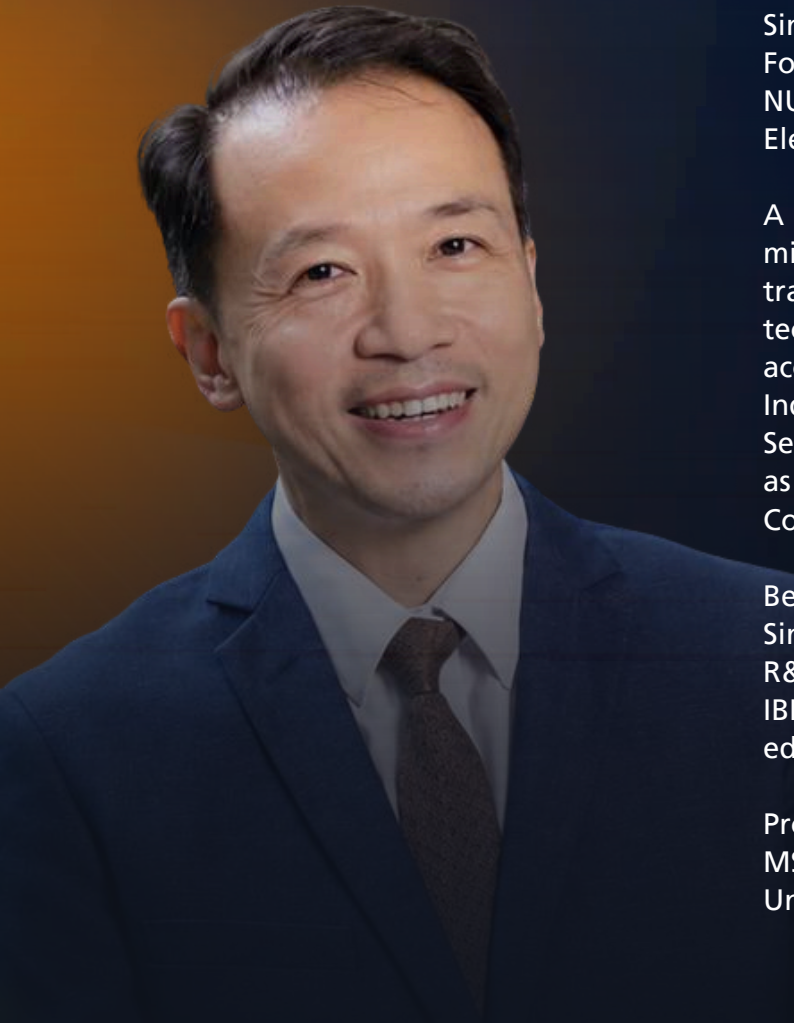
8.00am	<b>Breakfast</b> 📍 Education Resource Centre (ERC)
9.00am	<b>Innovating Learning and Research at NUS Libraries</b> Associate Professor Natalie Pang 📍 Ngee Ann Kongsi Auditorium
10.30am	<b>Break</b>
11.00am	<b>Longevity is Personal</b> Professor Dean Ho 📍 Ngee Ann Kongsi Auditorium
12.30pm	<b>Lunch - Explore and Get Your Own Lunch</b>
2.00pm	<b>Poster Competition</b> 📍 Ngee Ann Kongsi Auditorium
3.00pm	<b>Group Presentation for Selected Posters</b> Each group will have 15 minutes for their presentation. 📍 Ngee Ann Kongsi Auditorium
4.00pm	<b>Award Ceremony &amp; Closing Address</b> Professor Wong Lim Soon  <b>Group Photo Taking</b> Photo booth and light refreshments will be provided. 📍 Ngee Ann Kongsi Auditorium
5.00pm	<b>End of Day 5</b>





# Speakers' Profile





Professor Aaron Thean is Deputy President (Academic Affairs) and Provost at the National University of Singapore (NUS). He also directs the National Research Foundation's SHINE Centre and the A\*STAR SIMTech–NUS Joint Laboratory for Large-Area Flexible Hybrid Electronics.

A distinguished scientist and inventor in the field of microelectronics, Professor Thean is known for his translational research in advanced semiconductor technologies and holds more than 50 US patents. His accolades include the Compound Semiconductor Industry Innovation Award and the Gregory Stillman Semiconductor Research Award. He previously served as Dean of the NUS Faculty of Engineering and the College of Design and Engineering.

Before joining NUS in 2016 under the Returning Singapore Scientists scheme, he spent two decades in R&D roles at leading organisations including IMEC, IBM, Qualcomm, and Motorola, working on cutting-edge semiconductor and nano-device technologies.

Professor Thean received his BSc (Highest Honors), MSc, and PhD in Electrical Engineering from the University of Illinois at Urbana–Champaign.



**22 June 2026, 9.00am - 9.10am**  
Opening Address

**22 June 2026, 9.30am - 10.30am**  
AI and Semiconductor

## Professor **Aaron Thean**

DEPUTY PRESIDENT (ACADEMIC AFFAIRS) AND PROVOST





Professor Chai Kah Hin is Dean of the NUS School of Continuing and Lifelong Education (SCALE) and an Associate Professor in the Department of Industrial Systems Engineering and Management at the National University of Singapore (NUS).

He obtained his Ph.D. in International Manufacturing from the University of Cambridge in 2000, and also holds an MSc in Manufacturing Management from the University of South Australia and a BEng in Electrical Engineering from the University of Technology Malaysia.

Professor Chai's research and teaching focus on new product and service development, innovation management, knowledge management, and energy efficiency. He has published widely in leading academic journals, including the Journal of Product Innovation Management, IEEE Transactions on Engineering Management, Technovation, and the Journal of Service Research. His paper, "Organizational Adoption of New Service Development Tools," received the Highly Commended Paper Award.

Prior to joining NUS, he gained industry experience in semiconductor manufacturing and management consulting.



**22 June 2026, 11.00am - 12.30pm**  
Problem-Solving "Rough Rapid Right"

## Associate Professor

# Chai Kah Hin

DEAN, SCHOOL OF CONTINUING AND LIFELONG EDUCATION





Professor WONG Lim Soon is Kwan-Im-Thong-Hood-Cho-Temple Professor in the School of Computing at the National University of Singapore (NUS). He currently serves as Deputy Dean, NUS Graduate School and was also a professor (now honorary) of pathology in the Yong Loo Lin School of Medicine at NUS. Before coming to NUS, he was the Deputy Executive Director for Research at A\*STAR's Institute for Infocomm Research. He currently works mostly on knowledge discovery technologies and their application to biomedicine. He has also done, in the earlier part of his career, significant research in database query language theory and finite model theory, as well as significant development work in broad-scale data integration systems.

Limsoon was inducted as a Fellow of the ACM in 2013 and as a Fellow of the Singapore National Academy of Science in 2024, for his contributions to database theory and computational biology. Some of his other awards include the 2003 FEER Asian Innovation Gold Award for his work on treatment optimization of childhood leukemias and the ICDT 2014 Test of Time Award for his work on naturally embedded query languages. He was also recognized by the Singapore government with the 2006 Singapore Youth Award Medal of Commendation for sustained contributions to science and technology, a Public Administration Medal (Bronze) in 2014 for outstanding efficiency, competence, and industry, and a Long Service Medal in 2024 for irreproachable character and his service to the Singapore government and associated organizations.



26 June 2026, 4.00pm - 5.00pm  
Award Ceremony & Closing Address

## Professor Wong Lim Soon

KITHCT CHAIR PROFESSOR;  
DEPUTY DEAN, NUS GRADUATE SCHOOL;  
DIRECTOR, INTEGRATIVE SCIENCES AND ENGINEERING PROGRAMME





Professor Caroline Lee is a leading figure in Precision Medicine, with core expertise in cancer genomics, pharmacogenomics, and population genomics. She holds a PhD in Biochemistry and Human Genetics from Baylor College of Medicine and completed postdoctoral training in Gene Therapy at the National Cancer Institute under the mentorship of Dr. Michael Gottesman, Deputy Director of the NIH. Her academic journey has taken her from key faculty roles at the National University of Singapore and Johns Hopkins Singapore, to her current appointments as Associate Professor at both NUS's Yong Loo Lin School of Medicine and Duke-NUS Medical School.

Professor Lee also serves as Vice Dean (Outreach and Admissions) at the NUS Graduate School and is Co-Director of the MSc programme in Precision Health and Medicine, where she leads efforts to equip future healthcare professionals with critical skills in genomics, big data, and artificial intelligence.

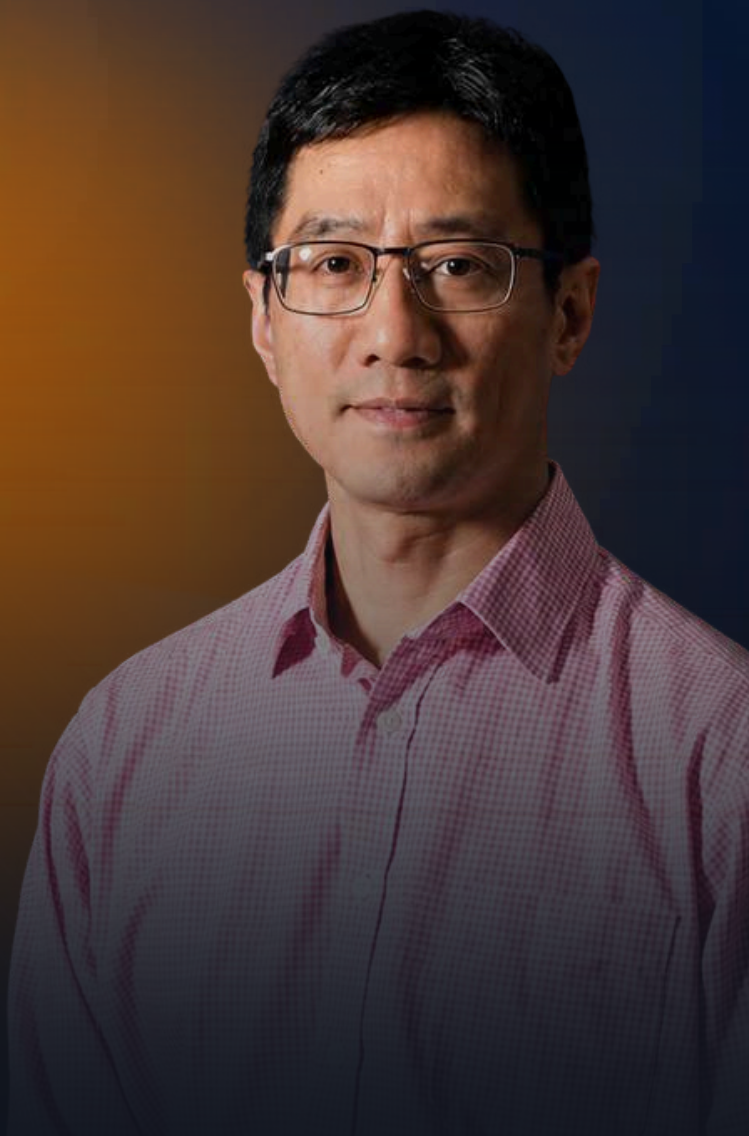
Her award-winning research has advanced understanding of how genetic variation shapes cancer risk and therapeutic response, particularly in Asian populations. A/Prof Lee has been recognized for elucidating polymorphisms in antineoplastic drug-response genes and holds patents for drug response prediction and genetic diagnostic technologies. Her influential publications have laid the foundation for population-specific pharmacogenomics, informing both diagnostic and therapeutic innovation.

Professor Lee's passion lies in integrating genomics, big data, and AI to pioneer individualized treatment strategies—efforts that are reshaping the landscape of healthcare and driving the next wave of precision medicine.

## Associate Professor **Caroline Lee**

VICE DEAN (OUTREACH AND ADMISSIONS), NUS GRADUATE SCHOOL;  
ASSOCIATE PROFESSOR, DEPARTMENT OF BIOCHEMISTRY, YONG LOO LIN SCHOOL OF MEDICINE;  
ASSOCIATE PROFESSOR, DUKE-NUS GRADUATE MEDICAL SCHOOL





A/Prof Lau graduated from the Hong Kong Polytechnic University in 1997, with a Bachelor's degree in Building Services Engineering. He received his Doctor of Philosophy degree in Acoustics in 2003.

Prior to taking up his doctoral programme, A/Prof Lau worked in the building services engineering industry as a consultant engineer at Daniel Chan & Associates Ltd. in Hong Kong. He also has had various experiences at Acron International Technology Ltd., Emerson Climate Technologies and Johnson Electric Industrial Manufactory, Ltd, where A/Prof Lau was able to contribute his expertise toward various industrial research and development projects, as well as devising solutions for various systems to be energy-efficient.

From 2004 to 2009, he was a visiting lecturer and an assistant professor in the Department of Building Services Engineering at the Hong Kong Polytechnic University in Hong Kong, and went on to be an assistant professor at The Charles W. Durham School of Architectural Engineering and Construction of the University of Nebraska-Lincoln. His various research projects, have also garnered unanimous approval and support.




22 June 2026, 9.10am – 9.20am  
Introduction & Admin Brief

## Associate Professor **Eddie Lau**

VICE DEAN (GRADUATE PROGRAMMES), COLLEGE OF DESIGN AND ENGINEERING;  
PROGRAMME DIRECTOR, NUS YOUNG FELLOWSHIP PROGRAMME;  
ASSOCIATE PROFESSOR, DEPARTMENT OF ARCHITECTURE, COLLEGE OF DESIGN AND ENGINEERING





Professor Dean Ho is Provost's Chair Professor and Director of the Institute for Digital Medicine (WisDM) at the Yong Loo Lin School of Medicine, Director of the N.1 Institute for Health (N.1), and Head of the Department of Biomedical Engineering at the National University of Singapore (NUS).

He and his team launched a first-in-kind trial - with Prof. Ho as the test subject - to optimize performance and biomarkers using AI. The study has been featured on television, digital media, and at major global meetings. His team also manages over 10 human trials with life-saving outcomes. A serial entrepreneur, Prof. Ho advises health, human performance, nutrition, and wearable technology teams, as well as venture funds, on AI-driven medicine.

Prof. Ho is an elected Fellow of the US National Academy of Inventors (NAI), the American Association for the Advancement of Science (AAAS), the American Institute for Medical and Biological Engineering (AIMBE), and the Royal Society of Chemistry. He is also Co-Chair of the World Health Organization (WHO) Working Group on AI regulation for health.

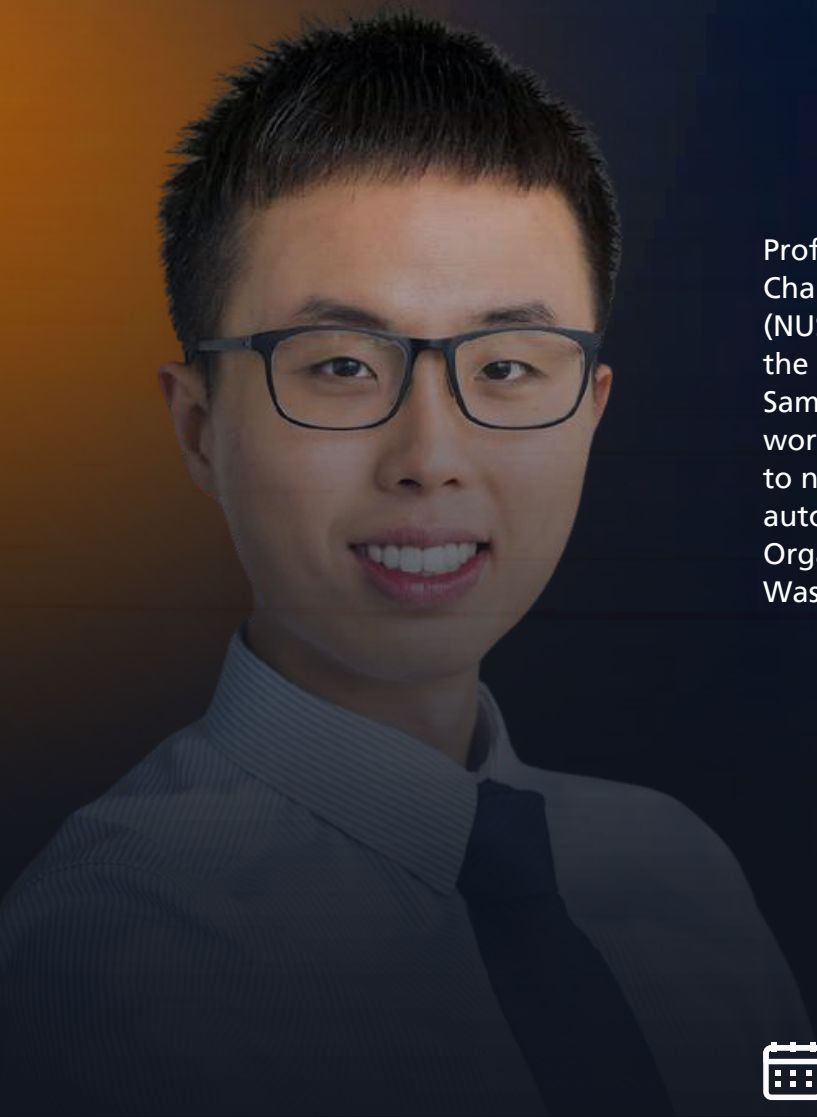


26 June 2026, 11.00am - 12.30pm  
Longevity is Personal

## Professor Dean Ho

PROVOST'S CHAIR PROFESSOR  
HEAD, DEPARTMENT OF BIOMEDICAL ENGINEERING, COLLEGE OF DESIGN AND ENGINEERING;  
DIRECTOR, THE N.1 INSTITUTE FOR HEALTH (N.1);  
DIRECTOR, THE INSTITUTE FOR DIGITAL MEDICINE (WISDM)





Professor Sam Yam is the Jardine Cycle & Carriage Chair Professor at the National University of Singapore (NUS) Business School where he also serves as Head for the Department of Management and Organization. Sam's research focuses primarily on the future on work, examining how employees and consumers react to new technologies such as robots, AI, algorithms, and autonomous vehicles. He received his Ph.D. in Organizational Behavior from the University of Washington.



**24 June 2026, 9.00am - 10.30am**  
**AI and Robots in Our Uniquely Human World:  
A Psychological Perspective**

Professor  
**Yam Kai Chi, Sam**

HEAD OF DEPARTMENT, DEPARTMENT OF MANAGEMENT & ORGANISATION;  
ASSOCIATE DEAN (FACULTY DEVELOPMENT)  
JARDINE CYCLE & CARRIAGE PROFESSOR OF BUSINESS ADMINISTRATION





Associate Professor Bryan Low is Associate Vice President (Artificial Intelligence) at the National University of Singapore (NUS), where he helps shape AI research strategy, talent development, and the establishment of the AI Academy. He is a faculty member in the Department of Computer Science, and holds concurrent appointments as Director (AI Research) at AI Singapore and Deputy Director of the NUS Artificial Intelligence Institute.

His research focuses on data-centric AI, machine learning agents, automated AI/ML, and AI for the sciences. He has held international roles such as Distinguished Lecturer with the IEEE Robotics and Automation Society and Fellow of the World Economic Forum's Council on the Future of Artificial Intelligence and Robotics.

Assoc Prof Low has received several accolades, including the Andrew P. Sage Best Transactions Paper Award and the NUS Faculty Teaching Excellence Award, and most recently won Best Paper at the ICML 2024 Workshop on AI for Science.

An NUS alumnus, he earned his BSc and MSc in Computer Science from NUS, and a PhD in Electrical and Computer Engineering from Carnegie Mellon University.



**23 June 2026, 9.00am - 10.30am**  
Data-Centric AI for Large Language Foundation Models

## Associate Professor

# Bryan Low

ASSOCIATE VICE PRESIDENT (ARTIFICIAL INTELLIGENCE), NUS;  
ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, SCHOOL OF COMPUTING;  
DIRECTOR OF AI RESEARCH, AI SINGAPORE





Associate Professor Yew Wen Shan is the Head of Department of Biochemistry at the National University of Singapore Yong Loo Lin School of Medicine. His other academic appointments include Assistant Dean (Graduate Studies), Deputy Director of the NUS Synthetic Biology for Clinical and Technological Innovation (SynCTI), Deputy Director and Research Director of the Synthetic Biology Translational Research Programme, and Director of the HH@NUS SINERGY Laboratory. He is the current President of the Singapore Society for Biochemistry and Molecular Biology, and a Council Member of the Singapore National Academy of Science. He trained as a mechanistic enzymologist with Professor John A. Gerlt from the University of Illinois at Urbana-Champaign, laying the foundation for his career as a biochemistry professor and synthetic biology researcher.

His current and future research is centred on expanding the multi-faceted interface between enzymology, biological chemistry and synthetic biology, in an area he terms “synthetic enzymology”. In particular, his research is focused on the use of structural and mechanistic enzymological knowledge for protein engineering (exploring, defining and modulating substrate specificities), biocatalysis, biotransformation, therapeutic development (against metabolic diseases, infectious diseases, cancer and ageing), bioremediation (towards urban sustainability) and impactful maintenance of planetary health.



**23 June 2026, 11.00am - 12.30pm**  
**Synthetic Enzymology for Human and Planetary Health: Biomanufacturing in an Impending BioEconomy**

## Associate Professor

# Yew Wen Shan

HEAD OF DEPARTMENT, DEPARTMENT OF BIOCHEMISTRY, YONG LOO LIN SCHOOL OF MEDICINE;  
ASSISTANT DEAN (GRADUATE STUDIES), YONG LOO LIN SCHOOL OF MEDICINE  
DEPUTY DIRECTOR AND PRINCIPAL INVESTIGATOR, NUS SYNCTI





Professor Natalie Pang (PhD) is Head and Associate Professor in the Department of Communications and New Media, and concurrently University Librarian at NUS Libraries at the National University of Singapore. Her research lies at the intersection of technology and society, and her research projects are organised under the themes of digital citizenship, inclusion and well-being. Prior to joining academia, she worked on research projects as a consultant in The Gallup Organisation.

Her mix of industry and academic backgrounds informs her translational research and advisory work with government and intergovernmental agencies, tech companies and non-profits. She serves as a member of the Media Literacy Council and the Heritage Advisory Panel in Singapore and internationally, she serves as an expert member of the UNESCO Inclusive Policy Lab, a member of the Safety Advisory Council at TikTok, and a member of the Cambridge Library Advisory Board.



**26 June 2026, 9.00am - 10.30am**  
Innovating Learning and Research at NUS Libraries

Associate Professor  
**Natalie Pang**

HEAD, DEPARTMENT OF COMMUNICATIONS AND NEW MEDIA, FASS  
UNIVERSITY LIBRARIAN, NUS LIBRARIES





Dr Amirhassan Monajemi is a Senior Lecturer with the School of Computing, National University of Singapore (NUS). Before joining the NUS, he was with the Faculty of Computer Engineering, University of Isfahan, Iran, where he was serving as a professor of AI, Machine Learning, and Data Science. He was born in 1968 in Isfahan, Iran. He studied towards BSc and MSc in Computer Engineering at Isfahan University of Technology (IUT), and Shiraz University, both in Iran, respectively. He got his PhD in computer engineering, pattern recognition and image processing, from the University of Bristol, Bristol, England, in 2005. His research interests include AI, Machine Learning, Machine Vision, IoT, Data Science, and their applications.

He has taught artificial intelligence courses, including AI, Advanced AI, Expert Systems, Decision Support Systems, Neural Networks, and Cognitive Science since 2005 at both undergraduate and postgraduate levels. He was awarded the best university teacher of the province in 2012. He also has studied Learning Management Systems, E-Learning, and E-Learning for workplaces since 2007. Dr. Monajemi has registered a few patents in the fields of AI, Machine Vision, and Signal Processing applications, including an AI and machine vision-based driver drowsiness detection system and a low power consuming spherical robot.

He also has published more than a hundred research papers in peer-reviewed, indexed journals and international conferences (IEEE, Elsevier, Springer, and so on), and supervised several Data Science, IoT, and AI industrial projects in various scales, including Isfahan intelligent traffic system delivery and testing, and red light runners detection.



22 June 2026, 1.30pm - 2.30pm  
What is GenAI?

Dr.

# Amirhassan Monajemi

SENIOR LECTURER,  
DEPARTMENT OF COMPUTER SCIENCE,  
SCHOOL OF COMPUTING





Dr Rafi Rashid is a Senior Lecturer in the NUS Graduate School. He holds a PhD in Biophysics & Bioengineering and a BSc (Hons) in Life Sciences. He has two broad areas of research: mechanisms of antimicrobial resistance (AMR) in bacteria and strategies for enhancing PhD education.

He has published papers on the role of lipids in mediating AMR in *Enterococcus faecalis*, rethinking PhD education in the 21st century, and desiderata for interdisciplinary graduate teaching.

He has forthcoming book and encyclopaedia chapters titled "Blended Learning and Interdisciplinarity" and "Interdisciplinary Doctoral Education", respectively. He is Coordinator of the NUS Three Minute Thesis (3MT) programme, a collaboration between NUS Graduate School and the Centre for English Language Communication dedicated to preparing PhD students for the annual 3MT competition at the NUS, Singapore, and international levels.

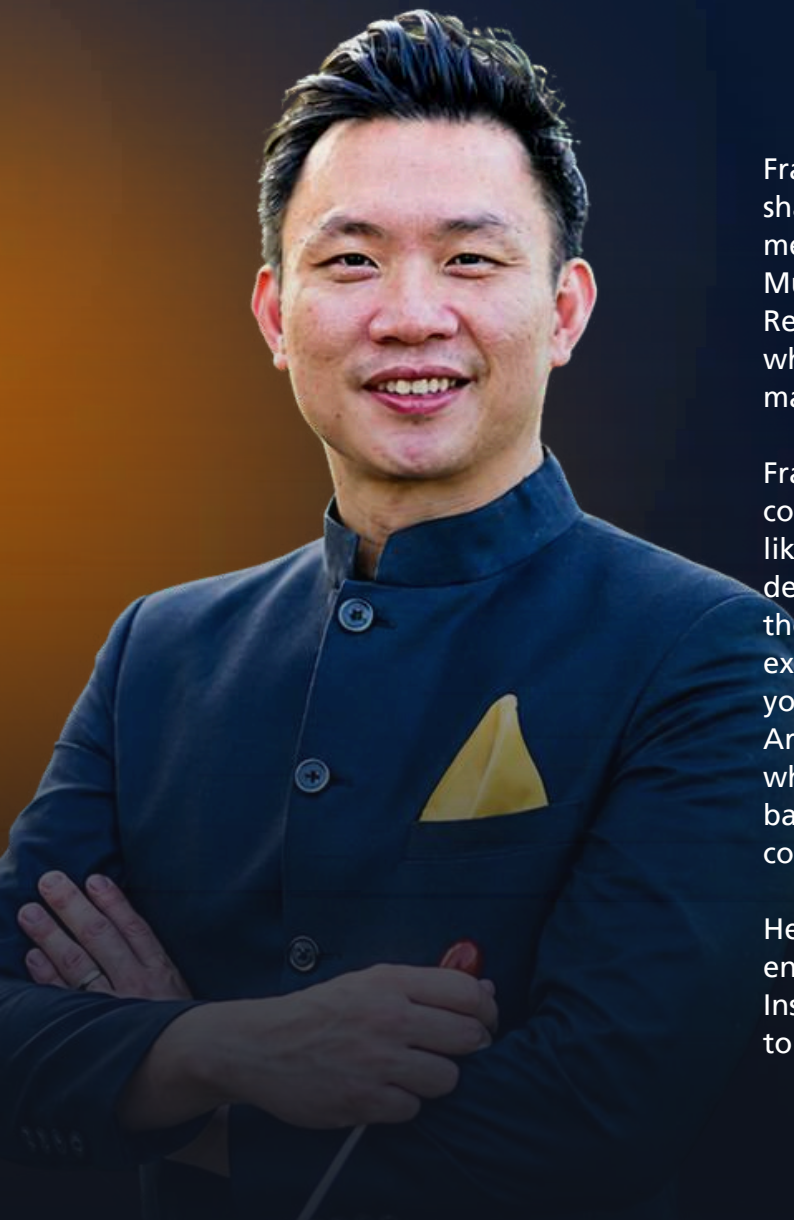


**25 June 2026, 9.00am - 10.30am**  
**3 Minutes Thesis**

Dr.  
**Rafi Rashid**

SENIOR LECTURER, NUS GRADUATE SCHOOL;  
ASSOCIATE DIRECTOR OF STUDIES, TEMBUSU COLLEGE





Francis Tan is a conductor and educator dedicated to shaping the next generation of musicians through meaningful artistic and leadership experiences. He is Music Director of the NUS Wind Symphony and Resident Conductor at the NUS Centre for the Arts, where he also teaches conducting, collaborative music-making, and the practice of performing arts.

Francis is passionate about connecting diverse communities through music. Working with ensembles like Orchestra of the Music Makers and Westwinds, he designs performances that invite audiences, especially those outside traditional concert halls, into meaningful experiences with classical music. His commitment to youth development led him to co-found the Youth Arts Leaders Conference—now in its eighth year—which brings together young people from diverse backgrounds to develop leadership through collaborative music-making and creative expression.

He has presented internationally on ways to achieve ensemble flow collaboratively (Oxford Conducting Institute) and on technology's role in expanding access to the arts (ASEAN University Network).



**25 June 2026, 11.00am - 12.30pm**  
Discover Musical Worlds Through AI Music Creation

# Francis Tan

MUSIC DIRECTOR,  
NUS WIND SYMPHONY RESIDENT CONDUCTOR,  
NUS CENTRE FOR THE ARTS





Dr Benjamin obtained his DPhil in Organic Chemistry from University of Oxford and is a proud alumnus of the Faculty of Science at National University of Singapore. He is a Certified Career Advisor (CCA) under the WSG Career Development Framework.

With a passion for student development, Benjamin believes that education is not just about equipping oneself with the required technical knowledge, but also a process of personal growth.

As a postgraduate career advisor, Benjamin brings with him diverse experiences ranging from being a R&D chemist, academia, and the civil service. He strives to partner students in their journey of curating a distinct combination of relevant skills as their unique selling point, and to develop a keen sense of career opportunities available which would serve to benefit regardless of their career stage.



**23 June 2026, 1.30pm - 3.00pm**  
Leveraging on AI for Career Readiness:  
Insights from CFG

Dr.  
**Benjamin Tan**

POSTGRADUATE CAREER ADVISOR,  
NUS CENTRE FOR FUTURE-READY GRADUATES (CFG)





Ryan has close to 15 years of working experience in the public sector, specializing in Trade Policy Promotion and Business Development, and helping corporations and SMEs expand their business capabilities and footprint overseas. He was also seconded to the World Bank office in Singapore for 2 years, opening up access to WB projects for Singapore-based consultants in diverse developing countries. He is also a NUS alumnus from the Faculty of Arts and Social Sciences, majoring in Political Science.

Since joining CFG in 2013, Ryan has served as a Career Advisor for Faculty of Arts and Social Sciences, Faculty of Science and School of Computing. He currently heads the Postgraduate Career Advisory team of six, equipping Master and PhD students with career readiness skills through a variety of career advisory, workshops and programmes.



**23 June 2026, 1.30pm - 3.00pm**  
Leveraging on AI for Career Readiness:  
Insights from CFG

# Ryan Ang

POSTGRADUATE CAREER ADVISORY TEAM LEAD,  
NUS CENTRE FOR FUTURE-READY GRADUATES (CFG)





The National GRIP programme, led by NUS Enterprise, supports deep-tech innovation and entrepreneurship across Singapore's universities and research institutes, with backing from the National Research Foundation. Since its launch in 2018, it has incubated over 120 startups by helping researchers commercialise advanced technologies.

As Program Director of GRIP - Graduate Research Innovation Program at the prestigious National University of Singapore, Kevin has demonstrated a relentless pursuit of excellence, an entrepreneurial spirit, and a passion for innovation. In 2025, GRIP will be a National program made accessible to all autonomous universities and research institutes in Singapore, a \$50mil initiative in partnership with NTU, supported by National Research Foundation.

Launched in 2018, NUS GRIP is a flagship innovation program of NUS Enterprise that guides researchers and postgraduate students in becoming deep tech entrepreneurs. By leveraging the university's expertise in deep technology, GRIP facilitates the translation of world-class research into start-ups that develop and commercialize groundbreaking technology platforms.



**25 June 2026, 1.30pm - 3.00pm**  
The NUS GRIP Experience (NUS Enterprise)

# Kevin Leung

PROGRAM DIRECTOR,  
NATIONAL GRIP,  
NUS ENTERPRISE





**Agnes Yuen**

HEAD,  
STUDENT ACCESSIBILITY UNIT,  
OFFICE OF STUDENT AFFAIRS



**Joanne Quek**

DEPUTY HEAD,  
STUDENT WELLNESS,  
OFFICE OF STUDENT AFFAIRS



**Wai Chung Tai**

HEAD,  
INTERNATIONAL STUDENTS' COORDINATING OFFICE,  
OFFICE OF STUDENT AFFAIRS

# NUS Office of Student Affairs (OSA)

NUS Office of Student Affairs fosters the holistic development of students as global citizens and leaders of change. Through arts and culture, community integration and service learning, housing admissions, international student support, residential life, accessibility and inclusion, leadership development, sport, and student wellbeing, we deliver cohesive, student-centred experiences on campus and beyond. We seek opportunities to enhance student life through cross-functional collaboration, a can-do mindset, and win-win partnerships with internal and external stakeholders. Guided by accountability, OSA upholds integrity, promotes equitable and transparent practices, and strengthens trust in how we serve and support our community.



**24 June 2026, 11.00am - 12.00pm**  
More Than Grades: Student Wellness and Life @ NUS



## Student Accessibility Unit (SAU)

The Student Accessibility Unit is a dedicated unit that supports students with disabilities and access needs across transitions and unique experiences throughout their university journey at NUS.

Through a holistic and connected ecosystem, we provide individualised advisory and coordinated access services, including academic arrangements, mobility support, assessments, and assistive technologies.

With a vision to facilitate and co-create accessible and equitable experiences, we serve as a key touchpoint for students and university units, cultivating an inclusive environment through organising capacity building programmes, developing resources and fostering meaningful collaborations with partners both within and outside the NUS community.



AGNES YUEN  
HEAD, STUDENT ACCESSIBILITY UNIT

## Student Wellness (SW)

Student Wellness is a dedicated unit that supports students' growth beyond academics through personal development, peer connection, and socioemotional care. We work with campus partners to promote holistic well-being so as to create a supportive and inclusive environment where students can thrive academically and personally.

SW offers a range of services, including professional counselling, psychological support, wellness workshops, and outreach programmes focused on stress management, resilience, and self-care. It also provides early intervention and support for students facing personal or academic challenges. Through collaboration with faculties, student groups, and campus partners, SW works to build a culture of care and well-being, empowering students with the resources and skills needed to navigate university life successfully.



JOANNE QUEK  
DEPUTY HEAD, STUDENT WELLNESS

## International Students Coordinating Office (ISCO)

NUS International Students Coordinating Office aims to enhance support and coordination for the wellbeing of international students, engage international and local students to foster connection, and equip NUS stakeholders with knowledge and resources relevant to their engagement of international students.



WAI CHUNG TAI  
HEAD, INTERNATIONAL STUDENTS COORDINATING OFFICE



# Pre-Departure Preparations



Participants attending the NUS Young Fellowship Programme in Singapore should consider the following pre-departure preparations.



## Travel Insurance

It is highly recommended to obtain travel insurance that covers medical emergencies, trip cancellation or interruption, and loss or theft of personal belongings. Please ensure that the policy covers the entire duration of your stay in Singapore.



## VISA

Please check whether you require a visa to enter Singapore, as requirements vary depending on your nationality and purpose of visit. You are advised to visit the website of the Immigration & Checkpoints Authority of Singapore for the latest information on visa requirements and the application process.



## Language

Singapore has four official languages: English, Malay, Mandarin, and Tamil. English is widely spoken and serves as the primary language for official communication.



## Currency

Singapore's currency is the Singapore Dollar (SGD). You may wish to exchange some money before travelling or upon arrival, although credit cards are widely accepted.



## Weather

With its tropical climate, Singapore experiences warm temperatures and high humidity year-round. Pack light, breathable clothing and carry an umbrella for regular rain showers.



## Electrical Plug

Singapore uses the Type G electrical plug with three rectangular prongs. The standard voltage is 230V, and the frequency is 50Hz. If your devices use a different plug type or voltage, you may need a travel adaptor or voltage converter.



# Pre-Departure Preparations



## Phone Calls

To use your phone in Singapore, confirm international roaming with your provider or opt for a local SIM card for cheaper local calls.



## Internet Access / Mobile Data

For internet access outside NUS or while traveling in Singapore, consider a local prepaid SIM card. Singapore's network coverage is excellent, and SIM cards can be purchased at convenience stores, electronics shops, or the airport.



## WiFi

NUS campuses offer WiFi for easy internet access on your personal devices. Use the provided login details to connect, and consider a backup plan for off-campus use or potential connectivity issues.



## Laptop and Earphones

Please bring a laptop and earphones to support your work on workshop topics, access online resources, and engage with peers in discussions and hands-on activities.



## Attire

Participants are advised to wear suitable clothing for outdoor activities, such as lab visits and visits to Gardens by the Bay. Comfortable, smart-casual attire is recommended, and bringing a jacket is advisable for cooler indoor environments during extended sessions.

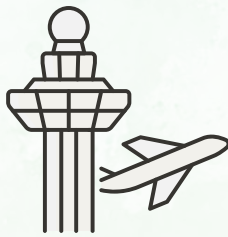


# Transport Information

Participants must arrange their own transport to NUS Kent Ridge Campus, as no airport pick-up service is available.



Taxi / E-hailing apps: 30mins - 40mins



Singapore  
Changi Airport

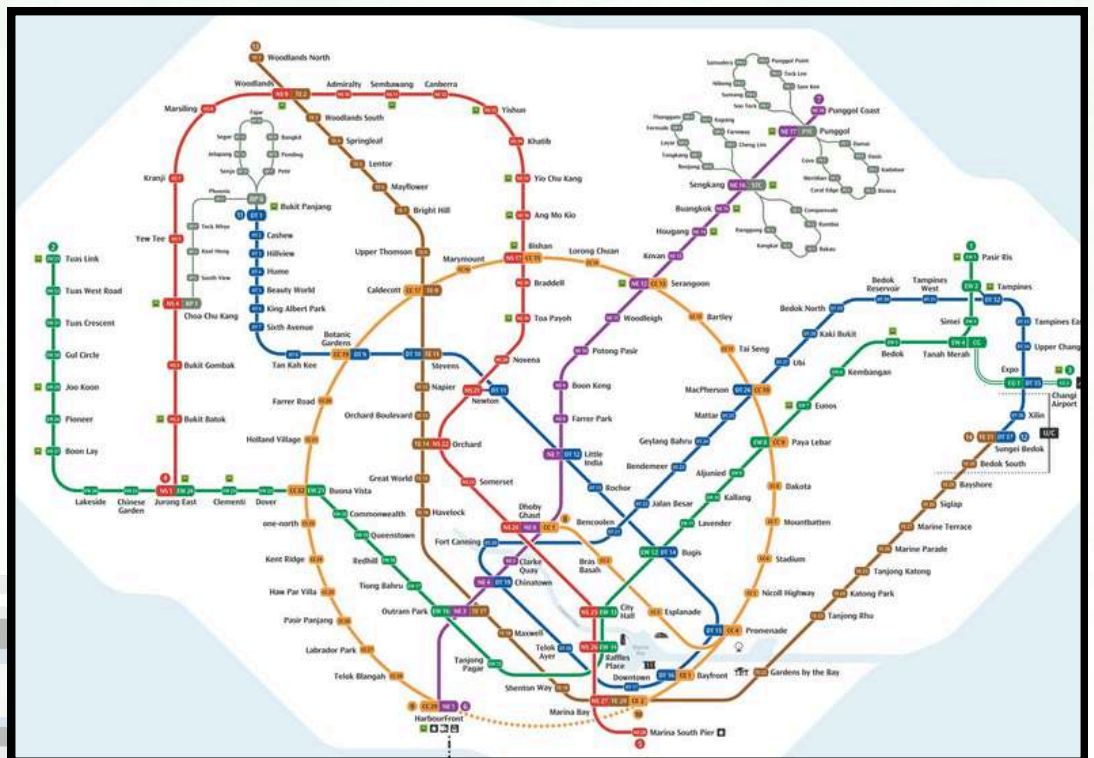


Public transport: 1h15mins - 1h45mins  
Guide: Changi to the City



College of Alice  
& Peter Tan

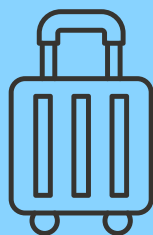
## Singapore MRT Map



For more details, please visit  
[https://www.lta.gov.sg/content/ltagov/en/getting\\_around/public\\_transport/rail\\_network.html](https://www.lta.gov.sg/content/ltagov/en/getting_around/public_transport/rail_network.html)



# Accommodation Information



## Check-In Between:

21 June 2026, 2.00 pm - 10.00 pm

## Check-Out Between:

27 June 2026, 11.00 am



## Address:

**College of Alice & Peter Tan (CAPT)**

NUS University Town, 8 College Avenue East  
Singapore 138615



# Accommodation Facilities

As part of the programme, accommodation on campus will be provided for all participants. This ensures convenience and creates an optimal environment for learning and networking with fellow participants.

Participants will be staying at [College of Alice & Peter Tan \(CAPT\)](#), located within the University Town at the Kent Ridge Campus.



## Air Conditioning (Optional)

The air-conditioning in CAPT rooms costs \$0.25 per hour and operates on a pay-per-use, prepaid basis.

There are two ways to top-up your credit:

1. Online services at <http://nus-utown.evs.com.sg>
2. Air-conditioning card top-up machine on Level 1 in CAPT's "Bermuda Triangle" area, near the side entrance of the Flying Seed door (please refer to Bermuda Triangle in the Common Facilities Section)



## Common Bathrooms

Each floor has two sets of bathrooms, one located on each wing (near Rooms #57 and #64). Each bathroom includes three shower rooms, toilets, and washbasins.



## Laundry

Laundry rooms are located on Levels 5, 8, 11, 14, and 17, near Room #63. Coin-changing machines are available in the laundry rooms on Levels 8 and 14.



## Pantry

Pantries are located on Levels 4, 7, 10, 13, and 16, near Room #63, and are equipped with water coolers, a shared refrigerator, and a microwave.



## Refuse Room

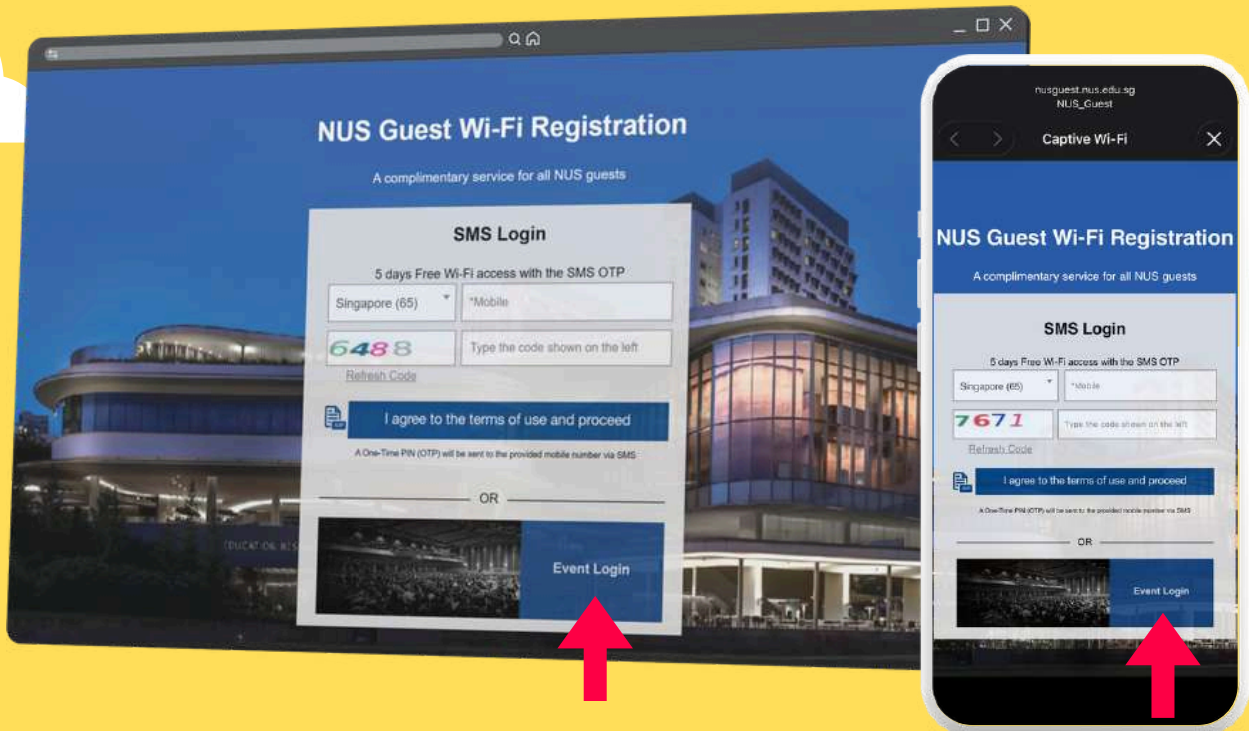
Each floor has a refuse room located opposite Room #62. It is equipped with three chutes for general waste, paper, and plastic. Please separate your waste accordingly.



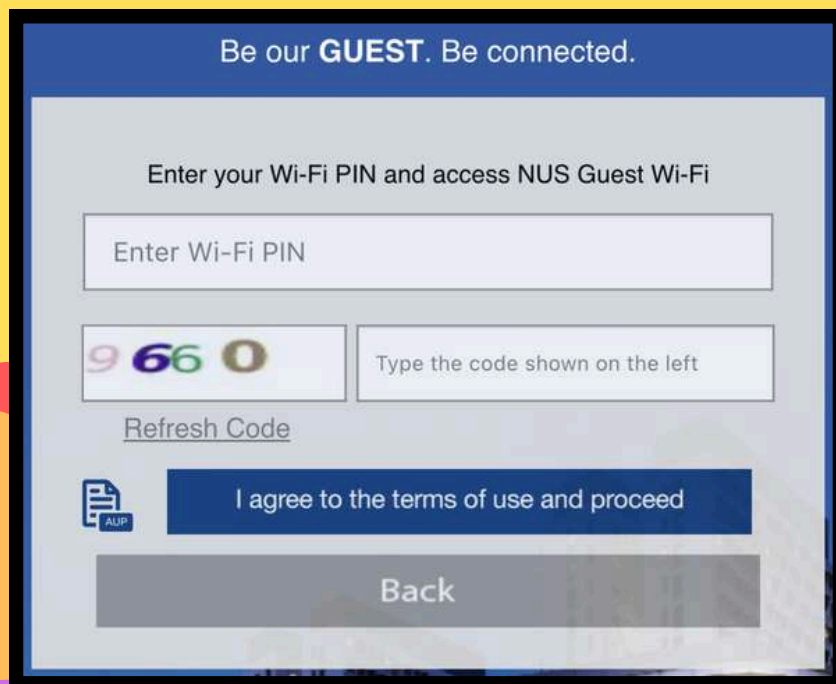
# Accessing NUS WiFi

Step 1: Connect to the "NUS\_Guest" wireless network

Step 2: Select Event Login

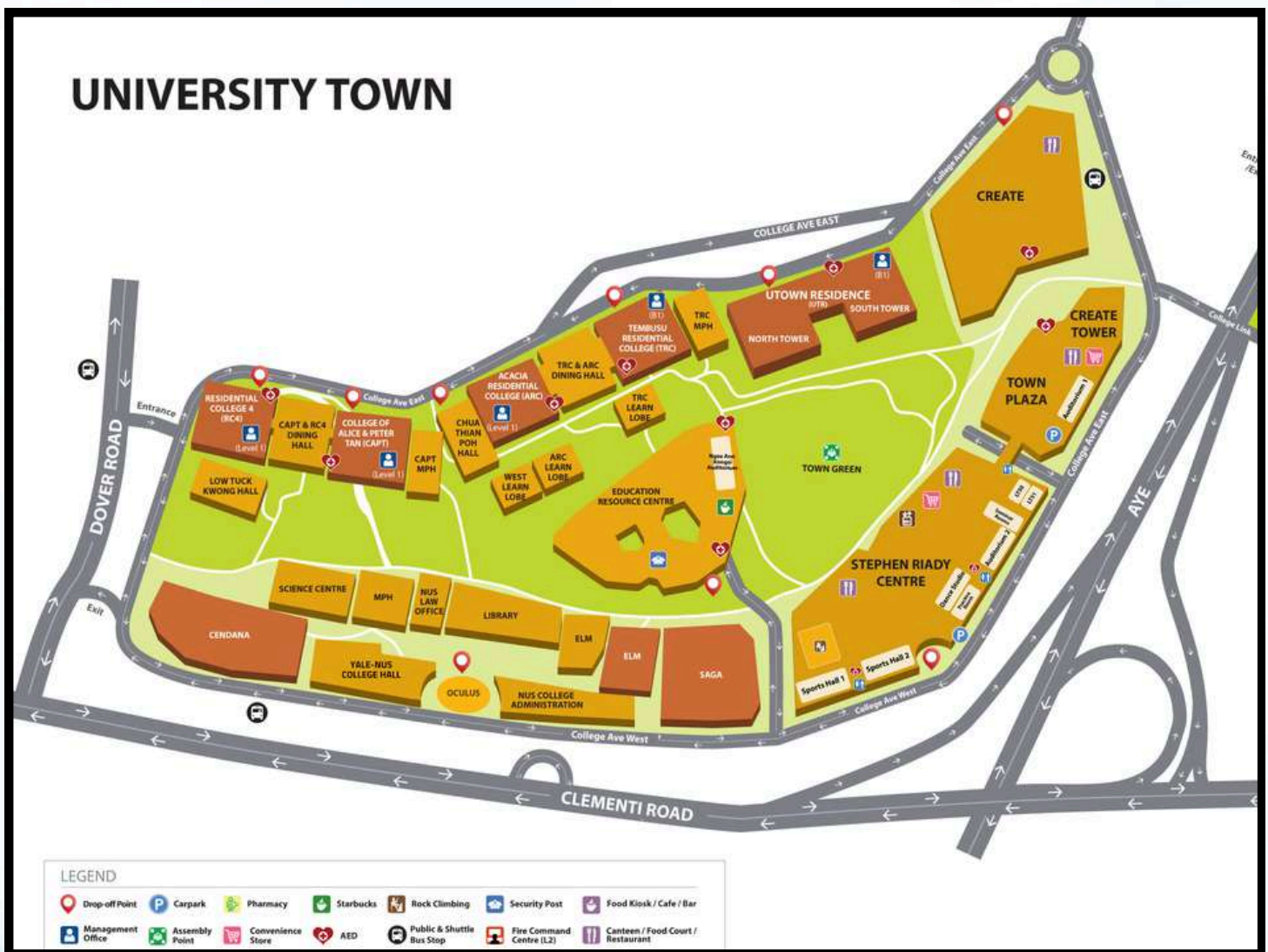


Step 3: Enter Wi-Fi Pin - 4KX8YZ



# NUS Campus Guide

Discover and explore our Kent Ridge Campus on your own.



For more details, please visit <https://uci.nus.edu.sg/campus-life/campus-services/utown/education-resource-centre/>

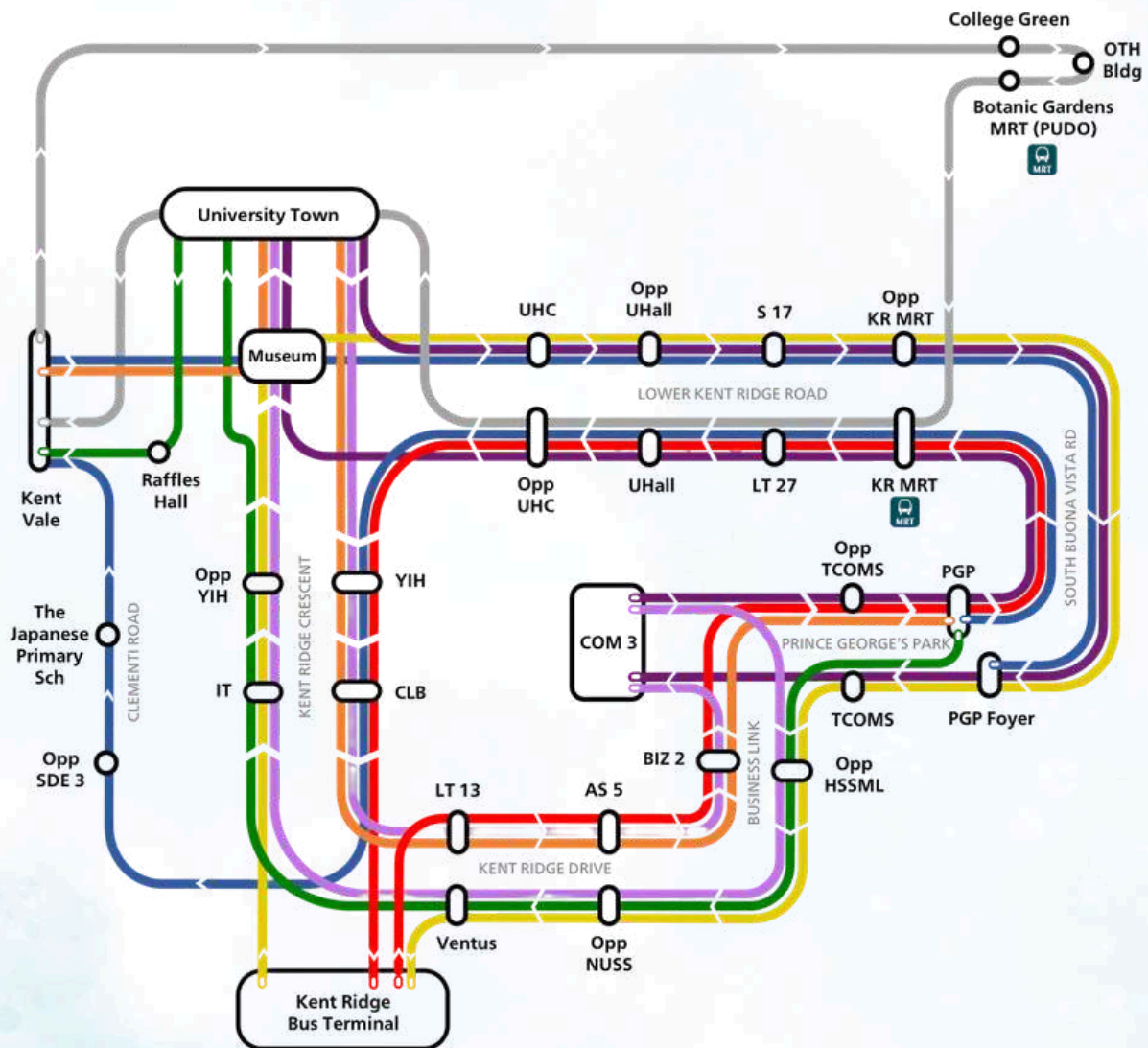


# NUS Campus Guide

NUS campus is well-linked by the efficient NUS Internal Shuttle Bus Service (ISBS). You have the freedom to visit various parts of our campus, such as our faculties and museums.

UTown can be reached from other parts of the campus using bus services D1, D2, E or BTC.

## NUS INTERNAL SHUTTLE BUS



### LEGEND:

<b>A1</b>	<b>A2</b>	<b>D1</b>	<b>D2</b>	Bus Stop
<b>K</b>	<b>R1</b>	<b>R2</b>	<b>P</b>	Start/End of Route
(new)	(new)	(new)	(new)	

with effect from 5 January 2026



For more details, please visit <https://uci.nus.edu.sg/oca/mobilityservices/getting-around-nus/>



# NUS Code of Student Conduct

The National University of Singapore (NUS) is committed to fostering an inclusive and supportive environment that values integrity, respect, and diversity.

Students are expected to uphold the highest standards of conduct and contribute positively to both the University and the wider community. This Code of Student Conduct outlines the standards of behaviour expected of all students.



## Dress Code

Students are expected to dress appropriately and present themselves in a respectful and professional manner on campus. Attire that is revealing, contains vulgar or offensive content, or is unsuitable for a university setting should be avoided.



## No Smoking and Vaping

NUS is committed to providing a healthy campus environment. Smoking is strictly prohibited on University premises. Students should note that the use, possession, or purchase of harmful or imitation tobacco products, including vapes and e-cigarettes, is illegal in Singapore, and the University adopts a zero-tolerance approach towards vaping-related activities.



## Prohibited Conduct

NUS is committed to providing a safe and pleasant environment with facilities for the benefit of all members of the community. Acts such as vandalism, theft, misappropriation of property belonging to the University or others, as well as the use of toilets or bathrooms designated for the opposite gender, are not condoned.



## Restrictions on Student Expression and Use of University Grounds

Students should avoid the dissemination of divisive or discriminatory viewpoints along sectarian lines (including but not limited to issues on race, language, religion, gender, sexuality, age, nationality), incitement to violence or criminal acts, and the use of University grounds for partisan political activities or political fundraising.



## No Unmanned Aircraft

The use, operation, or deployment of unmanned aircraft, such as multirotors and drones, is strictly prohibited within University premises.





# Event Photography / 3MT Video Disclaimer

During the NUS Young Fellowship Programme, National University of Singapore (NUS) may take photographs and videos to document and promote the event. Participants may also have the opportunity to create a 3 Minute Thesis video as part of the programme activities. By participating in the programme and its related activities, you agree to the following:

**Consent:** NUS will make reasonable efforts to obtain consent from participants before taking their photographs, videos, or using their 3 Minute Thesis videos. However, by participating in the programme, you grant NUS the right to use your image, voice, likeness, and the 3 Minute Thesis video you create for promotional and educational purposes, both online and offline.

**Usage:** NUS may use the photographs, videos, and 3 Minute Thesis videos taken or created during the NUS Young Fellowship Programme for various purposes, including but not limited to, publicity, marketing, social media, websites, publications, and presentations. NUS retains the right to edit, modify, or crop the photographs, videos, and 3 Minute Thesis videos as deemed necessary.

**Ownership:** The photographs, videos, and 3 Minute Thesis videos taken or created during the NUS Young Fellowship Programme are the property of NUS and are protected by copyright laws. You may not reproduce, distribute, modify, or use any of these materials without obtaining prior written permission from NUS.

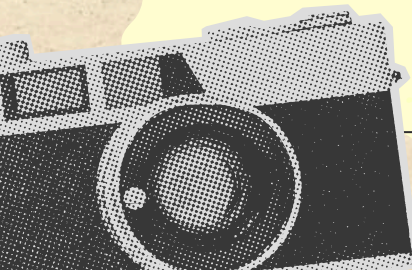
**Privacy:** NUS will handle the collected photographs, videos, and 3 Minute Thesis videos in accordance with the NUS Personal Data Protection Policy. Your personal information will be kept confidential and will not be shared with third parties without your consent, except where required by law.

**Attribution:** When using the photographs, videos, and 3 Minute Thesis videos, NUS will make reasonable efforts to attribute them to the respective participants. However, NUS retains the right to edit, modify, or crop the materials as deemed necessary.

**Exclusion:** If you do not wish for your image, voice, likeness, or your 3 Minute Thesis video to be used by NUS, please inform the event organisers in advance. While NUS will make efforts to respect your request, please note that it may not always be feasible to exclude your materials from promotional or educational materials related to the programme.

**Release of Liability:** By participating in the NUS Young Fellowship Programme and allowing NUS to capture your image in photographs and videos, or create a 3 Minute Thesis video, you release NUS, its employees, agents, and representatives from any liability arising from the use of the materials in accordance with this disclaimer.

If you have any concerns or questions regarding the usage of photographs, videos, or 3 Minute Thesis videos during the NUS Young Fellowship Programme, please contact the event organisers for clarification and assistance.



# About NUS

The National University of Singapore (NUS) is a leading global university located in Singapore. Established in 1905, NUS is Singapore's oldest and largest university, with a rich history of academic excellence and a strong reputation for research and innovation.

NUS offers a wide range of undergraduate and postgraduate programs across various disciplines, including arts and social sciences, business, computing, dentistry, engineering, law, medicine, science, and more. The university is known for its multidisciplinary approach to education, encouraging students to explore different fields and collaborate across disciplines.

With a diverse and vibrant campus community, NUS provides a conducive learning environment that fosters intellectual growth and personal development. Students have access to state-of-the-art facilities, world-class faculty, and a wide range of extracurricular activities, clubs, and societies that cater to their interests and passions.

NUS is committed to nurturing future leaders and contributing to society through cutting-edge research, impactful innovation, and community engagement. The university's research output spans various fields, including biomedical sciences, engineering, sustainability, social sciences, and more, making significant contributions to advancements and discoveries that benefit society.

As a global institution, NUS has established partnerships and collaborations with leading universities and institutions worldwide, offering students opportunities for international exposure and exchange programmes. This global perspective enhances the educational experience and prepares students to thrive in an interconnected world.



# Memorable Moments

Click to hear from our participants, professors and organisers!



# Contact Us

Click on the icons to stay connected with us and follow our social media platforms for the latest updates on NUS graduate studies.



NUS Graduate School



School of Continuing and Lifelong Education

