

# **NUS SCALE**

**DEVELOPING PROFESSIONALS**

**TRANSFORMING ORGANISATIONS**

**Proposal**

11 February 2019

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# SINGAPORE: A LIVE CASE STUDY



## Why Singapore?

Singapore is known for its strong governance and forward thinking. This allows participants to study in one of the best laboratories in the world with easy access to the wider Asia-Pacific region.

Education has always been one of the pillars of Singapore society. As a nation whose only resource is its people, Singapore takes the capability building of its people very seriously.



NUS is **Singapore's flagship university.**

Our reputation for excellence is built on

- Education and research innovation

- Discoveries and initiatives that contribute to country and society

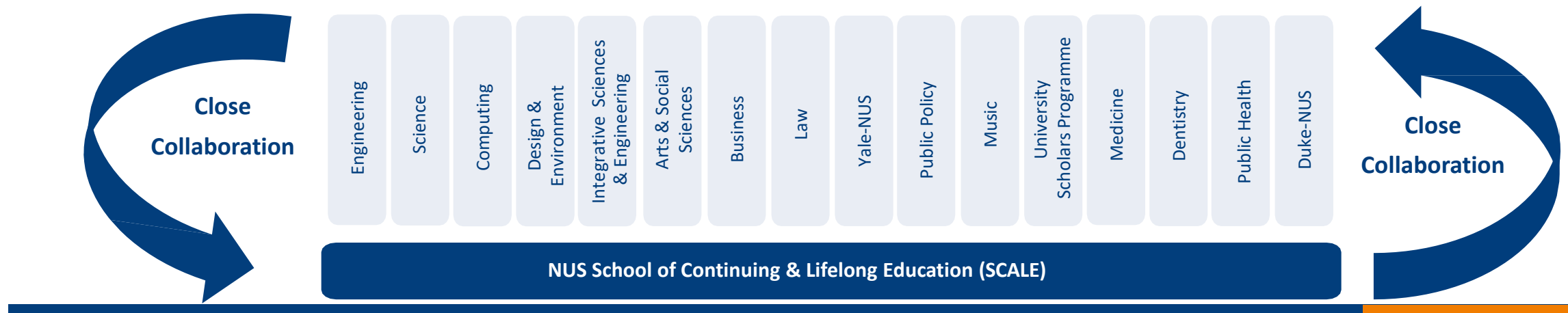


# NUS SCALE IS THE GATEWAY TO CONTINUOUS AND EXECUTIVE EDUCATION IN NUS

Provides *multi-disciplinary* learning opportunities to:

- Support youth career and impact aspirations
- Support aspiring working adults acquire new skills, knowledge and qualifications from a leading University
- Enable companies and industries to stay competitive

By drawing from the 16 other reputable NUS Faculties and Schools, backed by NUS research excellence





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# OUR APPROACH



## What is Innovation?

This programme will shed light on this important question through exploration of examples of different forms of innovation and entrepreneurship. Participants in the Innovation Programme will be exposed to concepts such as technological innovation, service innovation, social innovation, systems thinking, and ways in which the value of innovation can be protected.

Through this programme, participants will :

- Be familiarized with the various types and definitions of innovation
- Understand the entire process of innovation
- Understand common tools to identify users' requirements for product/service innovation
- Appreciate the various means to protect the value of a new product from competition

# PROGRAMME FACILITATORS



**Dr. CHAI Kah Hin**

Associate Professor

Department of Industrial Systems Engineering & Management (ISEM), NUS

Dr Chai Kah Hin oversees five MSc programmes at ISEM, in particular the Management of Technology and Intellectual Property Management MSc programmes. He received his PhD degree from Cambridge University in international manufacturing. His work experience includes management consulting and semiconductor manufacturing in Singapore and Malaysia. His works appear in many reputable journals such as the Journal of Product Innovation Management and IEEE Transactions on Engineering Management. His current research interests include industrial energy efficiency, new product/service development and knowledge management.



**Associate Professor KANG Hway Chuan**

Director, University Scholars Programme, NUS

Associate Professor Kang Hway Chuan from the Department of Chemistry has assumed Directorship of the University Scholars Programme (USP) and concurrently as Master of Cinnamon College since May 2015. Associate Professor Kang have been on joint appointment to USP since its official launch in 2001, and later became one of its longest-serving Deputy Directors (2003-2012). As a key member of the former USP management team, he chaired the USP curriculum committee for six years and led a review which has reshaped its curriculum. He also played a pivotal role in the transition of USP into a residential college.

# PROPOSED PROGRAMME: WEEK 1

Day/Time	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
AM	Arrival  Refreshments and Dinner	Opening and Introduction	Workshop: Tools and techniques  Design exercise	Service Innovation and business model  Case study: Singapore Airlines	Voice-triggered Home Automation (Cont.)  Interactive workshop	The R&D Story of Singapore	Hippo Tour (Free and Easy)
Lunch		Lunch	Lunch	Lunch	Lunch	Lunch	
PM		Lecture: What is innovation? Sources, types and process	Talk by NUS Office of Admission  Team Building/Sports Activities with NUS student ambassadors	Voice-triggered Home Automation	Innovation 4.0 (Site Visit)	Jurong Island (Site Visit)	
Evening		Tour of NUS University Town  Welcome Dinner	Dinner	Night Safari	Dinner	Dinner	



## PROPOSED PROGRAMME: WEEK 2

Day/Time	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14
<b>AM</b>	The Singapore Story	Singapore Water Story	New technology developments: Transformation, disruption and new opportunities	Case Study: Singapore Maritime Story	Facilitated Group project preparation	Universal Studio (Free and Easy)	Departure
<b>Lunch</b>	Lunch	Lunch	Lunch	Lunch	Lunch		
<b>PM</b>	Sultan Mosque/ Arab Street  (Site Visit)	Marina Barrage & Sustainable Singapore Gallery  (Site Visit)	Innovation hub (Block 71/ The Hangar/ CREATE)  (Site Visit)	Singapore Maritime Gallery  (Site Visit)	Group presentations  Feedback and wrapup  Certificates Presentation		
<b>Evening</b>	Dinner at Arab Street	Dinner	Dinner	Dinner	Closing Dinner		

# OUTSIDE THE CLASSROOM

Marina Barrage, man-made freshwater reservoir, engineering achievement that blends water supply with lifestyle attraction.



HOPE Technik is a Singapore-proud engineering firm that has been evolving the industry landscape with its technological innovations since 2006..



Innovation 4.0 is designed to synergise and power Singapore's future through research and bringing innovations and solutions from lab to market.



Blk71 is home to hundreds of tech-related start-ups, venture capitalists and incubators occupying its seven storeys.



# OPERATIONAL SUPPORT



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In addition to providing the content and teaching of the Academic Programme, we would provide the following services:

- 13 nights stay in university housing (student-hostels or faculty serviced residences)
- Breakfast, lunch, tea and dinner (all halal) on programme days
- Weekend excursions and meals can be arranged





# ACCOMMODATION: KENT VALE RESIDENCES



Kent Vale Serviced Residence offers spacious fully-furnished serviced apartments for guests and visitors of the University. Located amongst verdant surroundings yet within close proximity to amenities, it provides unparalleled convenience for on-campus living. The serviced apartments offer the convenience of a hotel with the comfort, space, privacy and familiarity of your own home.

Note: Subject to availability.

# ACCOMMODATION: UTOWN RESIDENCES



UTown® Residence provides accommodation primarily to the graduate community in NUS. The accommodation facilities are organised into either four-bedroom suites for single graduate students or apartments for married graduate students. The UTown Residence also offers many opportunities for residents to mingle and foster friendships with one another at the common lounges, sky gardens and other open common areas.

Note: Subject to availability.



YOUR INVESTMENT





## OUR EXPERIENCE ...

