

Redesigning Learning experiences

The redesigned MTech programmes at NUS-ISS aim to empower students to meet the industry's demands of skilled professionals

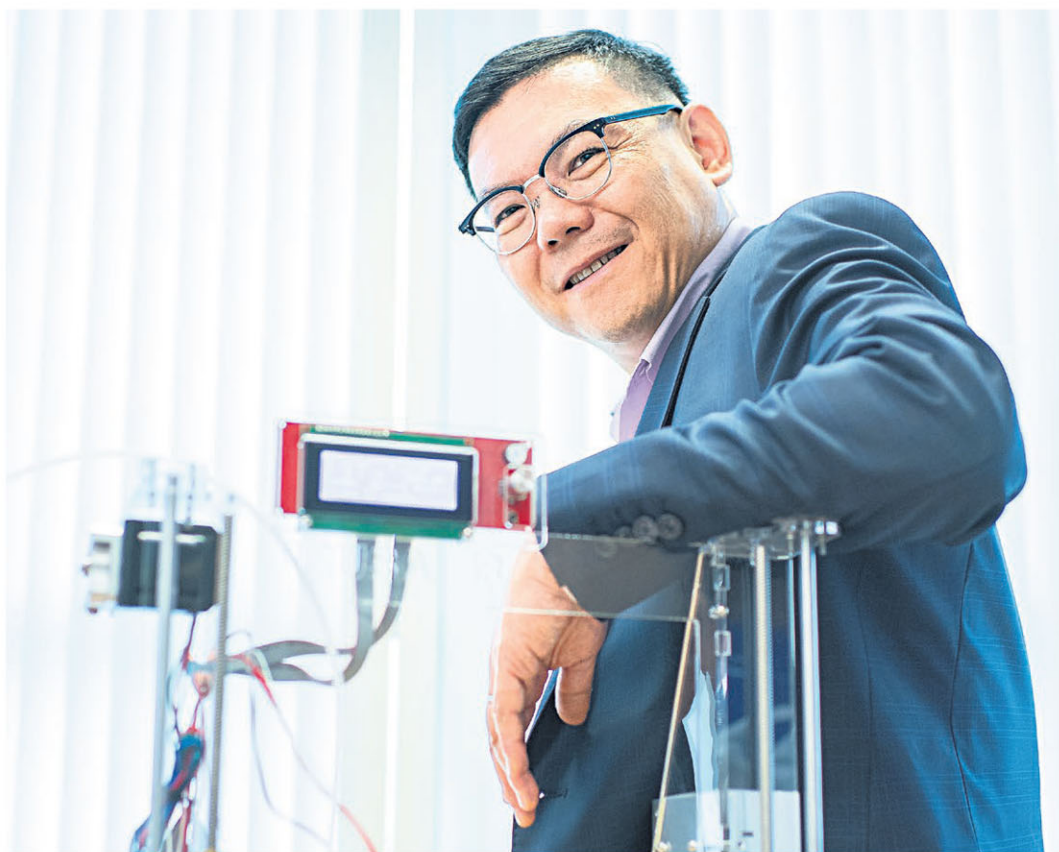


PHOTO: TED CHEN

At the Institute of Systems Science at the National University of Singapore (NUS-ISS), successful applicants can pick up advanced skills in data science, artificial intelligence, smart software development and more.

Dr Leong Mun Kew (above), director of graduate programmes at NUS-ISS, says: "The redesigned Master of Technology (MTech) programmes — Enterprise Business Analytics, Intelligent Systems and Software Engineering — provide practice-based, industry-relevant and hands-on curricula. And our Master of Technology in IT Leadership

focuses on digital strategy and leadership to equip students with the critical thinking, hard and soft skills to become an effective leader."

The programmes are offered to full-time and part-time students to be completed over one year and two years respectively. Successful applicants can also undertake the programmes via a "stackable" format which means accumulatively acquiring credit bearing modular courses leading up to a graduate certificate or an MTech degree.

MTech programmes

Regardless of the format of study, the MTech degree will

be conferred upon completion of required fundamental and specialist graduate certificates, capstone project and completing all necessary requirements pertaining to their respective degrees.

The capstone project is designed to develop the students' capabilities, as they are expected to demonstrate practical application of their skills, and work on real-world projects for organisations such as NTUC, SIA, HP and DBS.

These projects are aimed at helping organisations solve a real need while enabling students to put into practice what they have learnt.

With the MTech degree, students may acquire sufficient knowledge to meet the ever-growing industry's demands of skilled professionals.

Learning hub

NUS-ISS, established in 1981, develops digital talent for the industry through graduate education, professional development programmes, consultancy, applied research and career services. It is widely recognised as a champion of the national SkillsFuture movement, enabling a digital economy that is always learning and leading.

NUS-ISS has implemented a portfolio of multiple learning pathways, with a spectrum of programmes in critical industry disciplines, such as software development, data science, artificial intelligence, cybersecurity, smart health, digital government and digital innovation.

To date, over 120,000 info-comm and business professionals, 6,800 corporate customers and 5,500 post-graduate alumni members have benefited from NUS-ISS's suite of services. Its programmes are delivered by NUS-ISS staff with an average of more than 20 years of industry experience.