



## PRESS RELEASE

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### **NUS-ISS launches Singapore's first Professional Diploma in Smart Health Leadership**

***New stackable Professional Diploma aims to empower healthcare professional with key skills to drive transformation in local healthcare industry***

Singapore, 26 October 2018 – The Smart Health Leadership Centre under the National University of Singapore's Institute of Systems Science (NUS-ISS) has launched Singapore's first Smart Health Leadership Professional Diploma and welcomed its first cohort of 15 students from the National University Health System (NUHS) - who are mainly healthcare professionals from the JurongHealth Campus which comprises the Ng Teng Fong General Hospital (NTFGH) and Jurong Community Hospital.

Mr Khoong Chan Meng, CEO of NUS-ISS, said, "The Smart Health Leadership Professional Diploma is introduced to support Singapore's Smart Nation initiative and the trend towards smarter healthcare. It is the first of its kind in Singapore, and offers a blend of experiential classes in digital technology, data analytics, and design thinking. By equipping healthcare professionals with key skills and tools to develop integrated, technology-enabled healthcare solutions, they will be empowered to play a greater role in transforming our local healthcare industry."

#### **Enabling ground-up transformation**

With the number of elderly citizens expected to triple by 2030, the development and use of technology to support healthy ageing will be essential in meeting Singapore's healthcare needs.

The Smart Health Leadership Professional Diploma will enable healthcare professionals across the care continuum, in healthcare and social care roles, to pick up skills in human-centred design, technology planning, and data analytics. They will also learn to develop smarter and patient-centric healthcare solutions. This is also in line with the "Three Beyonds" set out by the Singapore Ministry of Health – Beyond Healthcare to Health, Beyond Hospital to Community, and Beyond Quality to Value – to transform the healthcare industry and to build a sustainable healthcare system for the future.

"Developments in digital technologies and data analytics are enabling more transformative efforts in healthcare than ever before. By getting more healthcare professionals, including the people on the ground in our hospitals and healthcare institutes, on board the healthcare transformation journey, we can take advantage of these opportunities and deliver better and smarter healthcare. The Smart Health Leadership Professional Diploma, designed with care integration in mind, seeks to challenge the boundaries of healthcare," said Mrs Tamsin Greulich-Smith, Chief of the Smart Health Leadership Centre, NUS-ISS.

## **Bite-sized courses**

The Smart Health Leadership Professional Diploma is offered in a bite-sized and stackable format, and participants can choose to complete all five short training courses, ranging from two to three days each in duration, in any order and at any time that suits their working schedule. These five courses cover the fields of systems thinking and root cause analysis, data storytelling, digital transformation planning, service design, and business process re-engineering. The completed courses will stack up towards the Professional Diploma, and can be done over five years. After completing the five courses, participants will also be required to embark on a 25-day capstone project, where they get to apply the knowledge and skills gained to design and pilot healthcare solutions. Participants will have the flexibility to complete the project over a six-month period.

## **The pioneer cohort**

The first cohort of 15 students are mainly healthcare professionals from the JurongHealth Campus and consists of clinicians, nurses, allied health, operational and administrative professionals. This diverse mix of healthcare professionals across the hospital's different touchpoints will study real situations and data to develop tangible solutions to benefit patients.

Mr Foo Hee Jug, Deputy Chief Executive, NUHS and Chief Executive Officer, NTFGH, said, "With the national emphasis on productivity and sustainability, we are excited to kick start the programme and build a team of healthcare professionals at NUHS who are future-ready and constantly innovating to transform the delivery of care. The programme will enable our participants to re-think current processes to see how and where to improve; as well as stay relevant by exploring the use of technology advancement, artificial intelligence and data analytics to enable faster access to care and improve outcomes."

More information on the NUS-ISS Professional Diploma in Smart Health Leadership can be found here: <https://www.iss.nus.edu.sg/professional-diploma-in-smart-health-leadership>

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### **About National University of Singapore (NUS)**

The National University of Singapore (NUS) is Singapore's flagship university, which offers a global approach to education, research and entrepreneurship, with a focus on Asian perspectives and expertise. We have 17 faculties across three campuses in Singapore, as well as 11 NUS Overseas Colleges across the world. Close to 40,000 students from 100 countries enrich our vibrant and diverse campus community.

Our multidisciplinary and real-world approach to education, research and entrepreneurship enables us to work closely with industry, governments and academia to address crucial and complex issues relevant to Asia and the world. Researchers in our faculties, 29 university-level research institutes, research centres of excellence and corporate labs focus on themes that include energy, environmental and urban sustainability; treatment and prevention of diseases common among Asians; active ageing; advanced materials; as well as risk management and resilience of financial systems. Our latest research focus is on the use of data science, operations research and cybersecurity to support Singapore's Smart Nation initiative.

For more information on NUS, please visit [www.nus.edu.sg](http://www.nus.edu.sg).

### **About the Institute of Systems Science (ISS)**

Established in 1981, the Institute of Systems Science at National University of Singapore (NUS-ISS) develops digital talent for the industry through graduate education, professional development programmes, consultancy, applied research and career services. NUS-ISS is widely recognised as a champion of the national SkillsFuture movement, enabling a digital economy that is always learning and always leading.

NUS-ISS has implemented a unique portfolio of multiple learning pathways, with a wide 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 infocomm & business professionals, 6,800 corporate customers and 5,500 post-graduate alumni members have benefitted 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.

For more information on ISS, visit [www.iss.nus.edu.sg](http://www.iss.nus.edu.sg).

### **About Smart Health Leadership Centre**

Based within the Institute of Systems Science at the National University of Singapore, the NUS-ISS Smart Health Leadership Centre draws upon the wide ranging practitioner insights, research findings and expertise of academic staff with an average of over 20 years of industry experience.

The Smart Health Leadership Centre was established in 2015 to support those working in the broad health and wellbeing sector to bring about the transformation required to meet future health needs. Its mission is to transform the future experience of health through technology, data and design; delivering impact through training, research and collaboration.