THE NUS STORY
2017/18
Global Education, Asian Insight.

Founded in 1905, the National University of Singapore (NUS) began as a medical college with 23 students. Today, we are one of Asia’s leading universities, with over 38,000 students across three campuses – Kent Ridge, Bukit Timah and Outram. Offering a distinctively Asian yet global experience, our students are given the opportunity to excel not just academically, but also to grow socially.

NUS is recognised for its breadth of academic programmes, experiential learning, entrepreneurship education and impactful research. As we continue to grow from strength to strength, we take pride in nurturing our students and equipping them with the necessary skills to be the leaders of tomorrow.

This is NUS.

The future starts here.
Prepared For Tomorrow

At NUS, our students learn from leading experts and professors at the forefront of their respective fields. They obtain first-hand experience in the industry through local and international internships, cross borders through exchange programmes with leading overseas universities, and work on projects which examine real-world issues that impact society. We aim to inspire them to be multidisciplinary critical thinkers, and responsible and enterprising global citizens.

Our rigorous academic programmes equip students with the necessary skills and resilience to meet the challenges of a rapidly changing world.

We believe in offering our students, from undergraduates, graduates to adult learners, a holistic education. Our students get to explore, experiment and discover their interests through a grade-free scheme and a general education curriculum. They can choose to venture abroad through our highly popular NUS Overseas Colleges and student exchange programmes as well as double, joint and concurrent degree programmes.

As part of our holistic approach to education, the University provides avenues for experiential learning through specialised residential college programmes designed to build living-learning communities on campus. We are also at the forefront of digital learning, with blended learning courses that integrate face-to-face activities with online platforms, and the latest technologies to facilitate seamless learning on and off campus.

Yale-NUS College is a leading liberal arts college in Asia. Its unique curriculum combines the strengths of established science and liberal arts traditions with the diverse intellectual practices and cultures of Asia and the world. To prepare our students for the future, the Centre for Future-ready Graduates helps our students accumulate practical experience and expertise before they embark on their careers. The Centre also offers the Roots & Wings programme which is designed to equip NUS students with foundational future-ready skills to strengthen leadership capabilities and further societal contributions.

UNIVERSITY TOWN

University Town embodies the NUS vision of a dynamic campus ecosystem. An educational hub complete with residential spaces, teaching facilities, study clusters, sports amenities and performance spaces, the lively intellectual and social environment provides for a richer and more holistic campus experience.
In support of lifelong education, our School of Continuing and Lifelong Education offers many programmes for working adults who wish to acquire new skills and knowledge to stay relevant and competitive in today’s workforce.

Over the years, NUS has built a global network of partner institutions in education and research. Such collaborations promote an exchange of ideas targeted at areas of strategic interest and leverage each institution’s unique strengths, creating many opportunities for teaching, learning and discovery.

**Member of Prominent Global Networks**
- ASEAN University Network
- Asian Universities Alliance
- Association of Pacific Rim Universities
- International Alliance of Research Universities
- Universitas 21
- WEF Global University Leaders Forum

**17 Schools**
- Arts and Social Sciences
- Business
- Computing
- Continuing and Lifelong Education
- Dentistry
- Design and Environment
- Duke-NUS Medical School
- Engineering
- Integrative Sciences and Engineering
- Law
- Medicine
- Music
- Public Health
- Public Policy
- Science
- University Scholars Programme
- Yale-NUS College

Students participating in the first Study Trips for Engagement and EnRichment Programme in Central America
Impactful Research

Taking an integrated and multidisciplinary approach to research, NUS works with partners from industry, government and academia to address crucial real-world issues. Our researchers pride themselves in discovering innovative measures and inventive solutions to improve life in Asia and the world.

Researchers in our faculties and schools, university-level research institutes and centres, and Research Centres of Excellence cover a wide range of themes including energy, environmental and urban sustainability; treatment and prevention of diseases common among Asians; active ageing; advanced materials; risk management and resilience of financial systems.

As part of a joint effort by the local universities in Singapore, Research Centres of Excellence are set up by Singapore’s National Research Foundation jointly with the Ministry of Education to achieve even greater research excellence.

The University’s strategy targets high-level research across a broad base where multiple peaks of excellence arise. To address the multifaceted and interconnected challenges facing Asia and the rest of the world, the areas of research are categorised under eight research clusters.

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**Ageing**
Gain a deeper understanding of ageing at a cellular, individual and societal level, which will help the formulation and execution of policies on ageing in Singapore and Asia

**Asian Studies**
develop special expertise, insights and connections relating to key issues of critical importance to Asia

**Smart Nation**
develop strategic capabilities in data science, analytics and optimisation, and cybersecurity

**Materials Science**
carry out innovative basic and applied research that enriches society and business enterprise in Singapore and the world

**Biomedical Science & Translational Medicine**
a key hub for medical and public health research and advances, with a focus on Asian populations

**Finance and Risk Management**
Contribute to Singapore’s goal of becoming a world-recognised leading financial centre in Asia

**Integrative Sustainability Solutions**
develop new integrated sustainability solutions for a rapidly urbanising Asia

**Maritime**
sustain cutting-edge research, enhance synergistic industry-university partnerships and contribute to the Singapore model for maritime development

In line with Singapore’s push to be one of the world’s most digitally advanced countries, our latest research focus is on data sciences, optimisation research and cybersecurity to support Singapore’s Smart Nation initiative. The Smart Nation Research Cluster contributes to this initiative by bringing together researchers from multidisciplinary backgrounds including engineering, mathematics, medicine, computing, and the social sciences to create powerful solutions that will not only enhance the way we live, work and play, but will also better protect us from cyber threats.
At the national level, NUS is involved in two research schemes – artificial intelligence and data science, through the AI.SG and the Singapore Data Science Consortium initiatives, respectively. Both initiatives promote local and international collaborations between academia, industry and the government, further strengthening our reputation as an innovative research hub. This would also enable Singapore to build stronger digital capabilities and better seize the growth opportunities offered by the digital economy.

Other efforts include the Singapore Cybersecurity Consortium, National Cybersecurity R&D Laboratory and NUS-Singtel Cyber Security Research & Development Laboratory which will help develop, deploy and translate cutting-edge technologies for adoption in industry.

Research Centres of Excellence
- Cancer Science Institute of Singapore
- Centre for Quantum Technologies
- Mechanobiology Institute, Singapore
- Singapore Centre on Environmental Life Sciences Engineering (in partnership with Nanyang Technological University)

30 University-level Research Institutes/Centres
- Asia Research Institute
- Biomedical Institute for Global Health Research and Technology
- Centre for Advanced 2D Materials
- Centre for International Law
- Centre for Maritime Studies
- Centre for Remote Imaging, Sensing and Processing
- East Asian Institute
- Energy Studies Institute
- Institute for Application of Learning Science and Educational Technology
- Institute for Mathematical Sciences
- Institute of Data Science
- Institute of Operations Research and Analytics
- Institute of Real Estate Studies
- Institute of South Asian Studies
- Life Sciences Institute
- Lloyd’s Register Foundation Institute for the Public Understanding of Risk
- Middle East Institute
- NUS Environmental Research Institute
- NUS Global Asia Institute
- NUS Nanoscience and Nanotechnology Initiative
- NUS Risk Management Institute
- NUS (Suzhou) Research Institute
- Singapore Institute for Neurotechnology
- Singapore Institute for Neurotechnology
- Singapore Nuclear Research and Safety Initiative
- Singapore Synchrotron Light Source
- Smart Systems Institute
- Solar Energy Research Institute of Singapore
- Temasek Laboratories
- The Logistics Institute-Asia Pacific
- Tropical Marine Science Institute

NEW AND EXISTING PROJECTS UNDERWAY

4,369
NEW AND EXISTING PROJECTS UNDERWAY<sup>1</sup>

523
PATENT APPLICATIONS FILED<sup>1</sup>

144
RESEARCH AWARDS RECEIVED<sup>1</sup>

8,745
PAPERS PUBLISHED<sup>2</sup> (SOURCE: SCOPUS)

<sup>1</sup> Financial Year 2016  <sup>2</sup> Calendar Year 2016

Figures correct as at 6 July 2017
Pursuing Entrepreneurial Challenges

Having an entrepreneurial spirit is key to the success of the University. In 2001, NUS started an entrepreneurial arm which offers the much sought-after NUS Overseas Colleges (NOC) programme. Combining overseas start-up internships with entrepreneurial coursework at prestigious partner universities, the programme provides our students with valuable hands-on experience in dynamic innovation hubs.

Since the first NUS Overseas College was established in Silicon Valley in 2002, more than 2,100 students have benefitted from an entrepreneurial education and made inroads in the business world.

Other experiential learning opportunities include:

- **Summer Programme**: A two-week residential course on local business insight and entrepreneurship development activities for international students
- **Lean LaunchPad Singapore Programme**: Hands-on experience on commercialising technological inventions

We provide entrepreneurship support through the NUS Start-Up Runway, a comprehensive suite of incubator-cum-accelerator services and platforms to form and grow businesses both in Singapore and overseas. Entrepreneurs can nurture their business ideas at The Hangar by NUS Enterprise on campus. Off campus, there is a strong innovation and entrepreneurship community at Singapore Science Park, and at Blk71 in Ayer Rajah, a renowned Singapore start-up enclave which we have pioneered with industry partners.

We pride ourselves in inspiring students to be successful entrepreneurs through our internship and business start-up programmes.
Beyond the classroom, student life at the University is teeming with fun and excitement. From workshops and seminars to dance performances and rock festivals, our students can choose how to play out their artistic, cultural, sporting and social pursuits to make the best of their university life.

The NUS Centre for the Arts inspires students to fulfil their creative passions. Its annual flagship event, the NUS Arts Festival, brings together NUS talents and industry professionals to showcase our rich cultural landscape to the community. Many of our students have also made the leap from inter-faculty and inter-varsity games to international sports meets.

Industry partnerships play an important role in helping NUS inventions make the transition from the laboratory to the marketplace through technology commercialisation. As such, we work closely with national agencies to fund, develop and market NUS technologies to the world.

Collaboration and partnerships among the faculties and alumni groups, as well as student initiatives, help further entrepreneurship outreach. Programmes which spur entrepreneurial development include social-driven initiatives such as the DBS-NUS Social Venture Challenge and global networking events like InnovFest unbound, a two-day festival that provides a platform for entrepreneurs, investors and government agencies to interact, while showcasing Asian innovation to a global audience.

Research on entrepreneurship and innovation is also conducted to ensure constant growth and support in entrepreneurial activities.

Facilities in other overseas locations such as Jakarta and Suzhou further underpin the needs of growth-stage ventures seeking to expand internationally.

BEYOND LOCAL SHORES

BLOCK71 San Francisco, one of NUS Enterprise’s co-working facilities, is located at South Park, a dynamic start-up enclave with a rich history in producing some of the world’s most successful start-ups.

This facility promotes cross-border exchanges and synergies between Singapore and the US start-up communities. Singapore tech firms keen to explore business prospects in the US can tap its resources to better understand the market, set up business and expand their network into the tech community and vice versa.

Study Hard, Play Hard

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BEYOND LOCAL SHORES

BLOCK71 San Francisco

At NUS, our students strive for more than just academic excellence.

A Living Campus

At NUS, our students strive for more than just academic excellence.
Changes That Matter

As a community, we strive to make a difference to society, and our students continue to fulfil a rich tradition of active involvement in community service, both locally and internationally. Through fundraising activities, health screening exercises, voluntary tuition and mentorship for youths, building amenities for the underprivileged and other community projects, they have made numerous contributions to improve the lives of others.

One such initiative is the plastic bag tax scheme by NUS SAVE (Students Against Violation of the Earth). A 10-cent charge per plastic bag is imposed to encourage consumers to switch from using plastic bags to recyclable bags at canteens, bookstores and selected retail outlets on campus. The tax proceeds go to the NUS Sustainability Fund that supports environmental projects run by NUS students.

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Using music as a platform to connect and touch lives, students from the Yong Siew Toh (YST) Conservatory of Music embarked on the YST Connects: Sharing Gifts through Music project. They collaborated with children from underprivileged and special needs communities as well as senior citizens to present a music showcase at a hospital.

One proud NUS tradition which still lives on today is Rag and Flag. The event, which dates back to 1957 as Welfare Week, brings the student community together in a show of solidarity and benevolence. Students sell flags to raise funds for charity on Flag Day, which then culminates into Rag Day, when they thank the public for their contributions to the less privileged with a colourful parade of floats and high-spirited performances.

>4,000
LOW-INCOME RESIDENTS HAVE SINCE BENEFITED FROM THE NEIGHBOURHOOD HEALTH SERVICE, AN INITIATIVE STARTED BY NUS MEDICINE STUDENTS IN 2008

>$7 million
RAISED THROUGH RAG AND FLAG SINCE 2000

Green NUS

US is committed to protecting the environment and incorporating sustainability in all aspects of campus life – from education and research, to operations and community outreach. Various student groups on campus are actively involved in the sustainability cause, promoting environmental awareness and action on campus through numerous initiatives. One such initiative is the plastic bag tax scheme by NUS SAVE (Students Against Violation of the Earth). A 10-cent charge per plastic bag is imposed to encourage consumers to switch from using plastic bags to recyclable bags at canteens, bookstores and selected retail outlets on campus. The tax proceeds go to the NUS Sustainability Fund that supports environmental projects run by NUS students.
# Distinguished Heritage

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tbody>
<tr>
<td><strong>1905</strong></td>
<td>The Straits Settlements and Federated Malay States Government Medical School is founded at Outram, where Singapore General Hospital stands today</td>
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<tr>
<td><strong>1913</strong></td>
<td>The School is renamed the King Edward VII Medical School, making it the first institution of higher learning in Singapore</td>
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<tr>
<td><strong>1921</strong></td>
<td>The Medical School becomes the King Edward VII College of Medicine</td>
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<tr>
<td><strong>1928</strong></td>
<td>Raffles College is established at Bukit Timah to provide tertiary education in the arts and sciences</td>
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<tr>
<td><strong>1949</strong></td>
<td>Raffles College merges with the King Edward VII College of Medicine to form the University of Malaya, the first university for the people of Singapore and the Federation of Malaya</td>
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<tr>
<td><strong>1955</strong></td>
<td>Nanyang University, a privately funded Chinese university, opens its doors</td>
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<tr>
<td><strong>1962</strong></td>
<td>The Singapore campus of the University of Malaya becomes an autonomous institution known as the University of Singapore</td>
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<tr>
<td><strong>1980</strong></td>
<td>The National University of Singapore is established with the merger of the University of Singapore and Nanyang University</td>
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