**附件1 新方提供的介绍材料**

**Singapore Universities’ Research Scholarships**

**The scholarships are** awarded by National University of Singapore (NUS), Nanyang Technological University (NTU) and Singapore University of Technology and Design (SUTD), to outstanding graduates for research leading to a PhD degree at one of the Universities.

**Award Details**

Please refer to the following webpages for detailed information:

NUS:

http://www.nus.edu.sg/admissions/graduate-studies/scholarships-financial-aid-and-fees/scholarships-awards/nus-research-scholarship.html

NTU:

<http://admissions.ntu.edu.sg/graduate/scholarships/pages/researchscholarship.aspx>

SUTD:

<http://www.sutd.edu.sg/Admissions/Graduate/PhD-Programmes/SUTD-PhD-Programme/>Financial

**Award Period**

The Scholarship is tenable for an initial 1 year and, subject to the Research Scholar's satisfactory progress, renewable annually up to a maximum of 3-4 years for Ph.D. candidates, as determined by the University.

**Applicable Courses**

**For more information on the course and specific application requirements of each department, please click on the URLs of the relevant school/department.**

**National University of Singapore (NUS)**

***School of Computing***

<https://www.comp.nus.edu.sg/programmes/pg/phdcs/>

Doctor of Philosophy in Departments of Computer Science

https://www.comp.nus.edu.sg/programmes/pg/phdis/

Doctor of Philosophy in Departments of Information Systems

***Faculty of Engineering***

https://www.eng.nus.edu.sg/graduate/graduate-research-based-programmes/

Doctor of Philosophy in Departments of:

Biomedical Engineering

Chemical & Biomolecular Engineering

Civil & Environment Engineering

Electrical & Computer Engineering

Industrial Systems Engineering & Management

Materials Science & Engineering

Mechanical Engineering

***Faculty of Science***

http://science.nus.edu.sg/education/graduate/pg-research-programmes

Doctor of Philosophy in Departments of:

Biological Sciences

http://www.dbs.nus.edu.sg/education/prospective-graduate-students.html

Chemistry

<http://www.chemistry.nus.edu.sg/education/Graduate.htm>

Mathematics

http://ww1.math.nus.edu.sg/graduates.aspx?file=GP-Research

Pharmacy

<http://pharmacy.nus.edu.sg/phd-msc/>

Physics

https://www.physics.nus.edu.sg/student/pros\_graduate.html

Statistics & Applied Probability

https://www.stat.nus.edu.sg/index.php/prospective-students/graduate-programme/phd-programme

**Nanyang Technological University (NTU)**

**College of Engineering**

[School of Chemical and Biomedical Engineering](http://www.scbe.ntu.edu.sg/Programmes/ProspectiveStudents/Pages/Postgraduate.aspx)

<http://www.scbe.ntu.edu.sg/Programmes/ProspectiveStudents/Pages/Postgraduate.aspx>

[School of Civil and Environmental Engineering](http://www.cee.ntu.edu.sg/Programmes/graduate/research/Pages/Overview.aspx)

<http://www.cee.ntu.edu.sg/Programmes/graduate/research/Pages/Overview.aspx>

[School of Computer Science and Engineering](http://scse.ntu.edu.sg/Pages/Home.aspx)

<http://scse.ntu.edu.sg/Programmes/ProspectiveStudents/Graduate/Pages/Graduate.aspx>

[School of Electrical and Electronic Engineering](http://www.eee.ntu.edu.sg/Programmes/ProspectiveStudents/Graduate/MEngPhD/Pages/MEngPhD.aspx)

<http://www.eee.ntu.edu.sg/Programmes/ProspectiveStudents/Graduate/MEngPhD/Pages/MEngPhD.aspx>

[School of Materials Science and Engineering](http://www.mse.ntu.edu.sg/Programmes/Postgraduates/Pages/Home.aspx)

<http://www.mse.ntu.edu.sg/Programmes/Postgraduates/Pages/Home.aspx>

[School of Mechanical and Aerospace Engineering](http://www.mae.ntu.edu.sg/Programmes/ProspectiveStudents/Graduate(Research)/Pages/default.aspx)

<http://www.mae.ntu.edu.sg/Programmes/ProspectiveStudents/Graduate(Research)/Pages/default.aspx>

**College of Science**

[Asian School of Environment](http://www.ase.ntu.edu.sg/research)

<http://www.ase.ntu.edu.sg/research>

[School of Biological Sciences](http://www.sbs.ntu.edu.sg/prospective/graduate/Pages/Home.aspx)

<http://www.sbs.ntu.edu.sg/prospective/graduate/Pages/Home.aspx>

[School of Physical and Mathematical Sciences](http://spms.ntu.edu.sg/Programmes/prospectivestudents/graduate/)

<http://spms.ntu.edu.sg/Programmes/Grad-Students/Pages/Graduate-Programmes.aspx>

**Singapore University of Technology and Design (SUTD)**

**Architecture and Sustainable Design (ASD)**

(URL: <https://asd.sutd.edu.sg/phd-programme/> )

Research in ASD:

* Architecture and sustainable design and practice
* Innovative city design and development
* Environmental policy and planning
* Computation pertaining to the description, generation and construction of architecture
* Development and application of advanced technology for buildings
* Historical, theoretical and critical approaches to architectural design.

**Engineering Product Development (EPD)**

(URL: <https://epd.sutd.edu.sg/education/graduate/epd-phd-programme/>)

Research in EPD:

* Bio-medical engineering, medical devices and healthcare
* Design theory and science
* Innovation and creativity
* Electronics and photonics
* Robotics, transformers and unmanned platforms
* Energy harvesting and alternative energies
* Materials, ceramics and nanomaterials
* Complex dynamic systems and controls
* Imaging, infocomm and digital media
* Integrated circuits, sensors and semiconductors
* Wireless networks and smartgrid
* Design of quantum systems
* Advanced manufacturing, innovative and rapid prototyping

**Engineering Systems and Design (ESD)**

(URL: <https://esd.sutd.edu.sg/academics/phd-programme/> )

Research in ESD:

* Operations research broadly defined, including optimisation, stochastic modelling, statistics, game theory and control science
* Operations management with application to manufacturing, services and the public sector
* Areas at the interface with economics, public policy, organisational behaviour, finance and marketing
* Large scale complex systems including supply chains and logistics, transportation systems,

healthcare delivery, financial services, telecommunication systems, energy production and distribution, environmental systems, critical infrastructure, and security and defence.

**Information Systems Technology and Design (ISTD)**

**(URL:** <https://istd.sutd.edu.sg/phd/phd-overview/> **)**

Research in ISTD:

* Information security
* Software engineering
* Wireless and sensor networks
* Multi-modal information retrieval
* Graphics and visualisation
* Human computer interface
* Machine learning and artificial intelligence
* Very large database systems
* Audio analysis
* Natural language processing
* Computer vision multimedia signal processing

**SCIENCE AND MATH**

**(URL:** https://smt.sutd.edu.sg/education/graduate/phd-program/ **)**

**Application Procedure**

Please refer to the relevant university and department’s website for specific application requirements. To expedite your application process, please have the following details and PDF scans of your original documents ready (maximum 5 MB per file) as you would be required to upload your supporting documents as part of your online application. Please note that incomplete applications may not be processed or may result in delays in processing.

* Undergraduate and/or Master’s transcripts & degree certificates (with official English translation)
* TOEFL or IELTS score report
* GRE score report
* Portfolios, awards, publications, web links to personal portfolio, supporting documents, etc. (if applicable)
* 2 or 3 referees who can comment on your scholastic capabilities and achievements
* A copy of your Identity Card or relevant pages in your Passport.
* A research proposal

**NUS** Graduate Application Portal:

<https://inetapps.nus.edu.sg/GDA2/Home.aspx>

**NTU** Graduate Application Portal: <https://venus.wis.ntu.edu.sg/GOAL/OnlineApplicationModule/frmOnlineApplication.ASPX>

**SUTD** PhD Programme Application Portal:

https://admission.sutd.edu.sg/psp/CSADM1PRD/APPLICANT/HRMS/?cmd=login&languageCD=ENG&

If you wish to apply to more than one university, please submit separate applications to each university through the respective application portals.

**Application Deadlines**

**National University of Singapore:**

**Faculty of Engineering： 01 Feb 2020**

**Faculty of Science: 15 Nov 2019**

**School of Computing: 15 Dec 2019**

**Nanyang Technological University: 31 Jan 2020**

**Singapore University of Technology and Design: 28 Feb 2020**

**Notification of Award**

Shortlisted candidates will be informed by June 2020.

**Terms and Conditions**

Successful applicants are required to sign a letter of undertaking agreeing to observe the terms and conditions for the award of the Scholarship. There is no service bond attached to this scholarship.