

Virtual seminar and panel discussion for ConCERT librarians 2022

13 April 2022

Staying Agile, Innovative and Resilient

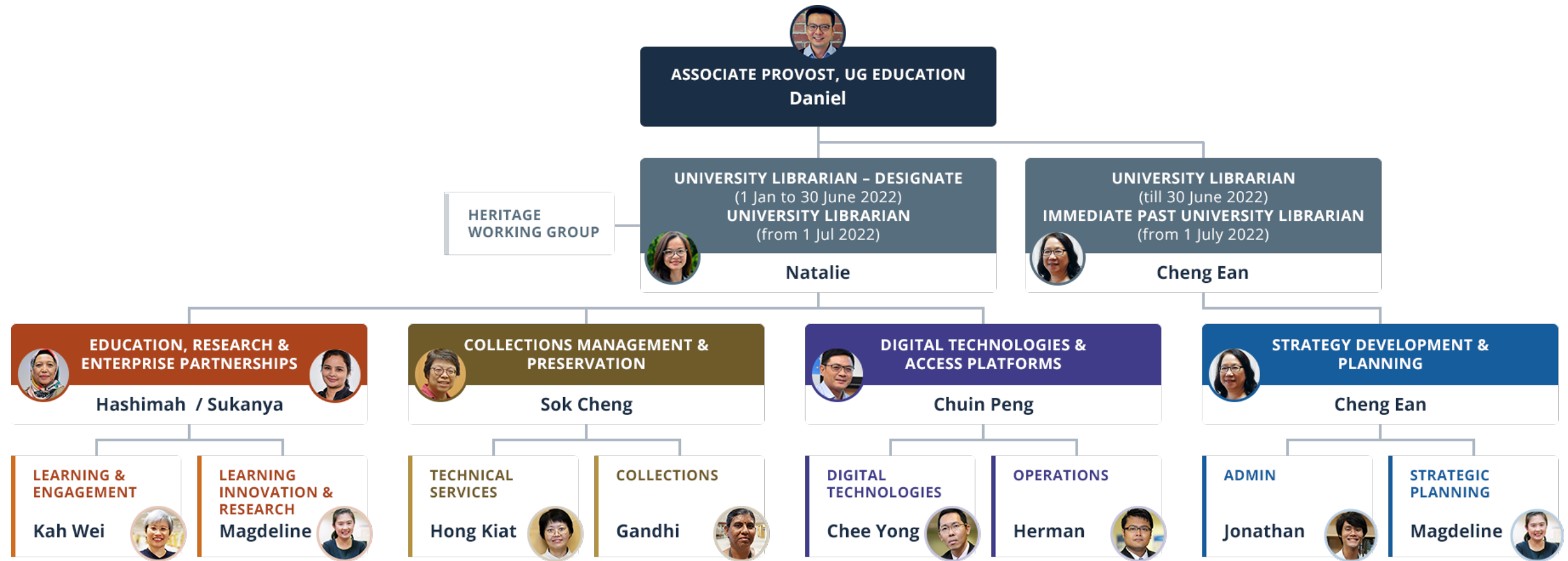
**Mrs Lee Cheng Ean
University Librarian
National University of Singapore**

Agenda

Preparing ourselves to always stay agile, innovative & resilient through:

- Re-organization – Constantly shifting – Digital environment
組織重整：更迭的數位環境
- Always Looking to the Future
始終著眼未來
- Revisiting our purpose
回顧圖書館的使命
- Refreshing strategic goals
重整策略展望
- Innovative services & digital transformation
創新服務與數位轉型

NUS Libraries Organisation Chart



Revisiting Our Purpose 回顧圖書館的使命

Our Purpose

Empower NUS community with information resources, knowledge networks and interactive platforms to advance interdisciplinary learning, research and innovation





NUS' Mission Always Within Sight

新大目標始終在望

**We
partner
with**

students to equip them with life-long information, research and digital literacy skills

faculty in embedding information & digital literacy programmes in curriculum

researchers in their discovery of new frontiers and translational research, their research workflow, scholarly communication and to increase visibility of their work

Refreshing Strategic Goals

重整策略展望



**Education,
Research and
Enterprise
Partnerships**

Drive innovative services for influential research, quality education and visionary enterprise



**Collection
Management and
Preservation**

Establish growth in knowledge and capabilities for future generations



**Digital
Technologies and
Access Platforms**

Enable a collaborative and inclusive environment for experiential phygital learning and innovation



**Strategic
Development and
Planning**

Drive organisational excellence for continuous improvement

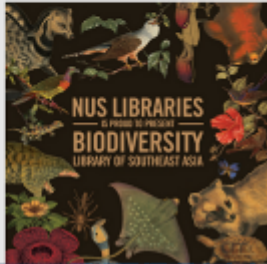
Cluster

**Strategic
Goal**

Digitising our distinctive collections

獨特典藏數位化

DIGITAL GEMS



<https://digitalgems.nus.edu.sg/>

Increasing visibility and accessibility of our unique Rare Books and Special Collections

Supporting digital based teaching & research:

- Faculties actively using digitized materials for teaching
- Collaborating on research projects



Catalogue of Ancient Chinese Books



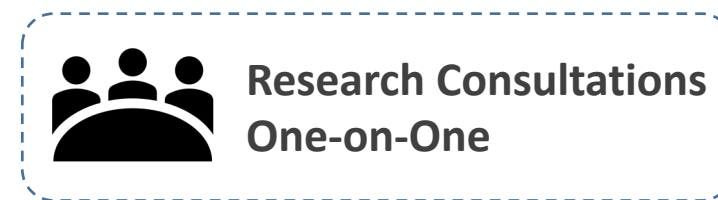
Library Programmes and Blended Learning

Various types of library workshops offered all year-round 圖資課程混合學習



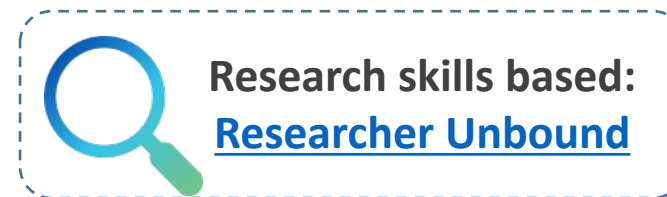
Topics include:

- Starting your research
- Scoping relevant topics for research
- Finding appropriate resources
- Using specialized databases
- Doing literature/systematic reviews
- Search strategies for specialized resources e.g. theses or government documents
- Evaluating sources of information
- Citing and organizing your sources
- Digital & Media Literacy
- Copyright education, plagiarism
- **VR/AR app development for modules**



Topics include:

- Thesis
- Systematic review
- Research papers



Topics include (selected):

- Ultimate Guide to Access Free-Use Online Content
- Writing a Concise, Coherent & Compelling Grant Proposal



培植數位資訊素養

Imparting Digital & Information Literacy Skills



edX Courses Programs & Degrees Schools & Partners What do you want to learn? edX for Business Sign In Register

edX is part of 2U: the next era of online learning begins today! Visit our Help Center to learn more about changes at edX

Catalog > Medicine Courses

NUS
National University of Singapore

The Art and Science of Searching in Systematic Reviews

This course is useful for anyone responsible for searching literature systematically either for a systematic review or a comprehensive literature review.

Learn the fundamentals of systematic review searching, including strategies, information sources and methods to manage & report search methods across disciplines.

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PESTLE
Political Economical Social Technological Legal

PLAGIARISM & ACADEMIC DISHONESTY
& how to avoid them

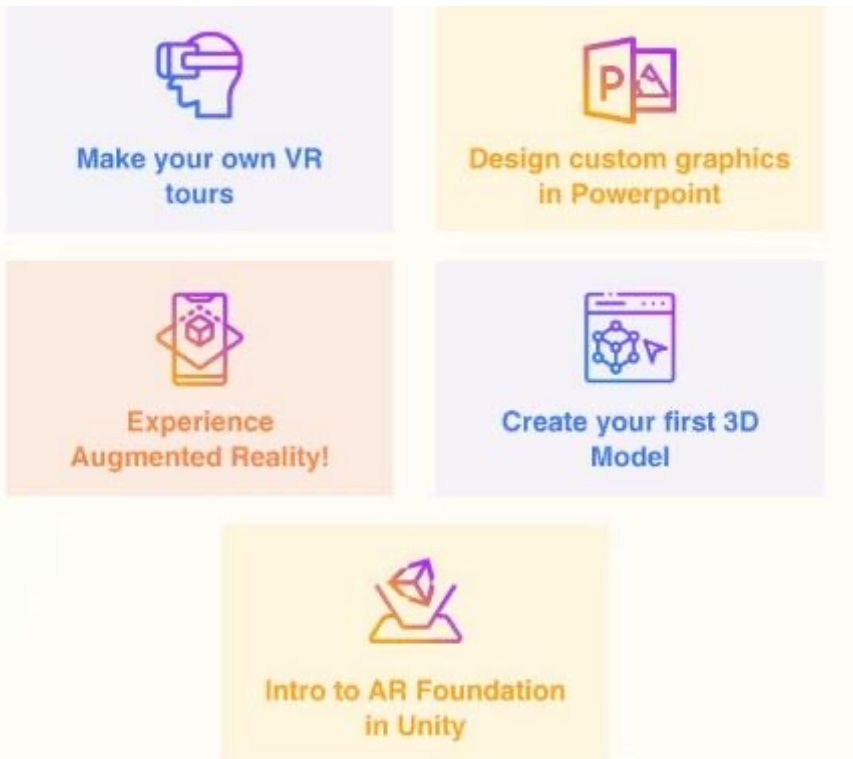
Finding Newspapers
Practice and Lexis One

Accessing paid e-resources from the web

FindMore or GoogleScholar
which one do I use for my research?

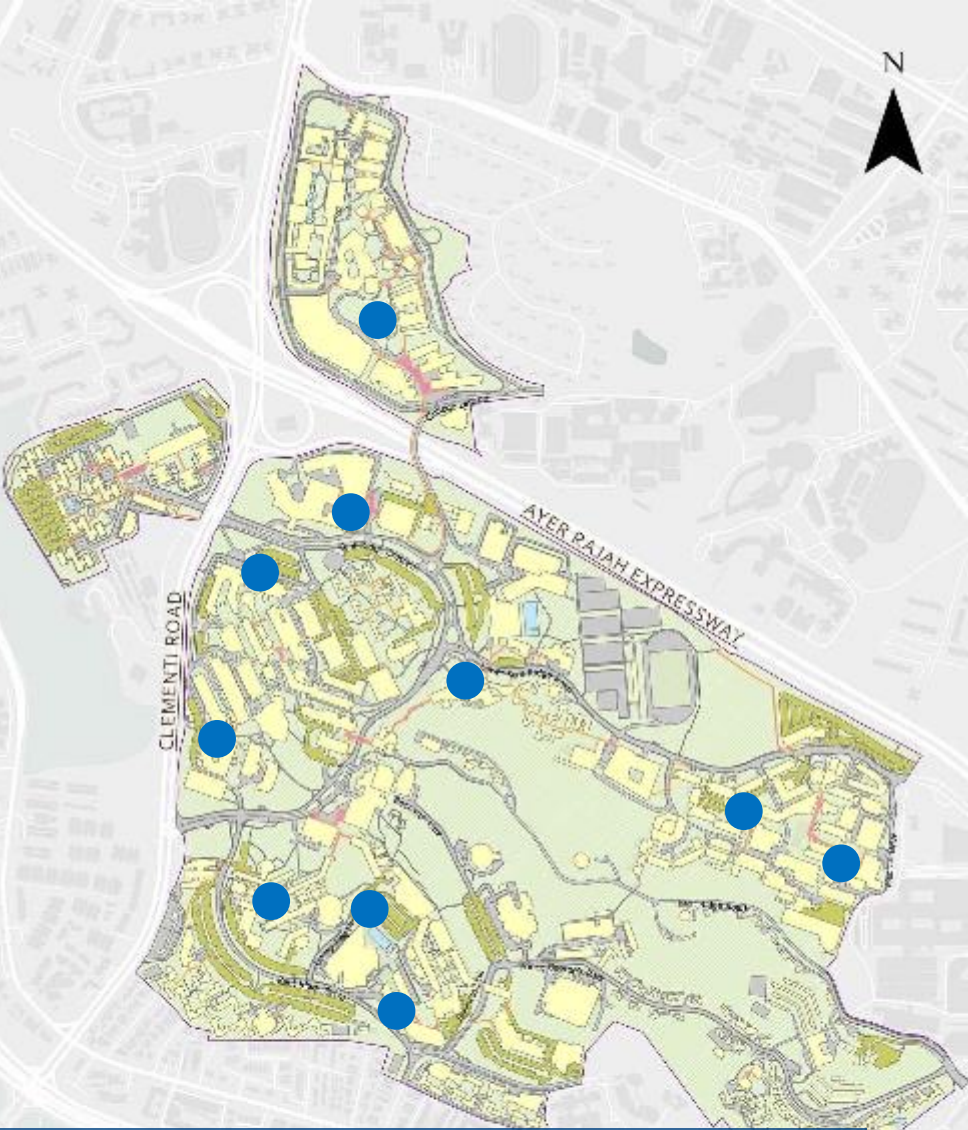
Pioneering Digital Credentials

開創性數位憑證



Digital Badges





Contributing to
搭配開學日 NUS Open Day



Interactive Campus Tours

與校園導覽互動



Digital Scholarship

數位化研究

Digital Scholarship Lab

Equipped with high-performance facilities for the NUS community working on digital projects

Digital Scholarship Portal showcases our interactive web exhibits

Workshops and events to advance digital scholarship in **curriculum JS4231 Technologies and Traditional Japanese Theatre**

Partnering Researchers in Digital Scholarship

數位化研究合作



EXPLORE THROUGH THEMES



BODIES



TECHNOLOGIES



CITIES



REGION

Increasing Support for Open Access Publishing

Scholarly publishing: Article Processing Charges (APC)

Search this Guide

Search

Publisher	Journal Titles Covered	APC Discount
Association for Computing Machinery (ACM)	All journals, magazines, conferences	Waived from Jan 1, 2021 to Dec 31, 2025
American Chemical Society (ACS)	In selected journals	Limited number*
Cambridge University Press (CUP)	In selected journals	25%
IWA Publishing	H ₂ Open Journal Blue-Green Systems	APC waived until 2021 for all authors
Karger	All Open Access and Hybrid journals except Kompass titles	Waived from Jan 1, 2021 to Dec 31, 2023**
Open Library of Humanities (OLH)	All journals	No APC
Royal Society of Chemistry (RSC)	In selected journals	15%***



Increasing research visibility for researchers



Singapore Alliance of University Libraries

新加坡大學圖書館聯盟

- SAUL was formed on 21 March 2019.
- Members:
 1. National University of Singapore
 2. Nanyang Technological University/NIE
 3. Singapore Management University
 4. Singapore University of Technology & Design
 5. Singapore Institute of Technology
 6. Singapore University of Social Sciences
- Driven by 6 task forces



More E-Textbooks

更多電子教科書

- Partnering publishers for sustainable pricing models
- Increase use of e-books and Open Education Resources (OER) in our collections

E-Books

**OER by
Subject/Discipline**

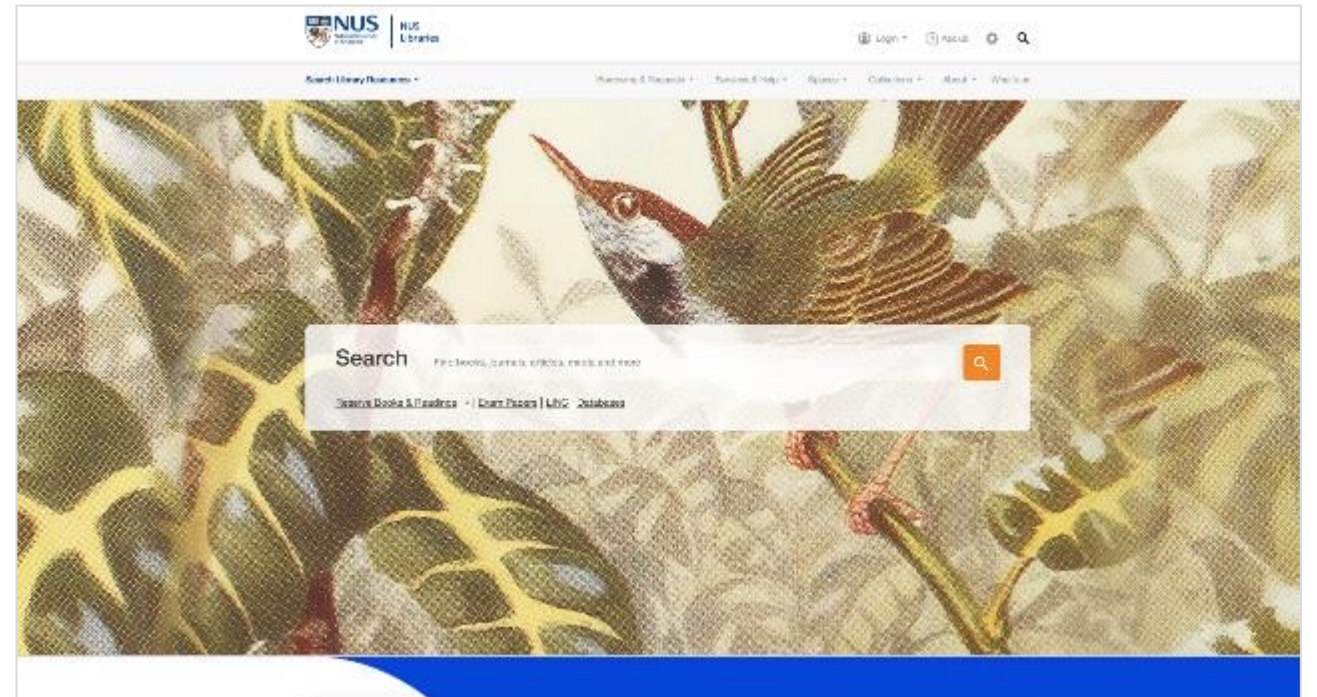
Enhancing Access to Information

強化資訊獲取

Article Recommender



Library Portal Redesign



Digital Transformation Framework

數位化轉型框架

Libraries &
Museums
Digital
Transformation
Framework



Advanced Discovery

- Library Portal (Refreshed)
- OneSearch
- ScholarBank@NUS
- Digital Gems
- Digital Scholarship Portal/Lab
- TEL-Imaginarium
- 360imx*
- AI Journal Article Recommender
- Online Learning
- LibGuide
- Online FAQs
- Social Media

Enhanced User Experience

- Self-Service
- Digital Scholarship Projects
- VR/AR/360 projects
- Virtual Interactive Exhibition*
- Eforms
- OEMA*
- Space live occupancy
- Online workshops
- Onsite e-resource Access
- Lightboard Recording System (CIT)*
- Recording Studio

Dynamic Operations

- TEMI robots*
- RPA
- Scripts – Python
- Library Proxy
- SpringShare LibConnect & Ereserve *
- OneAccess*
- Library Data Lake*
- Qlik Sense*
- TEMI Robots*
- Sierra Integration
- Element Integration
- ScholarBank Integration
- Digital Preservation System*

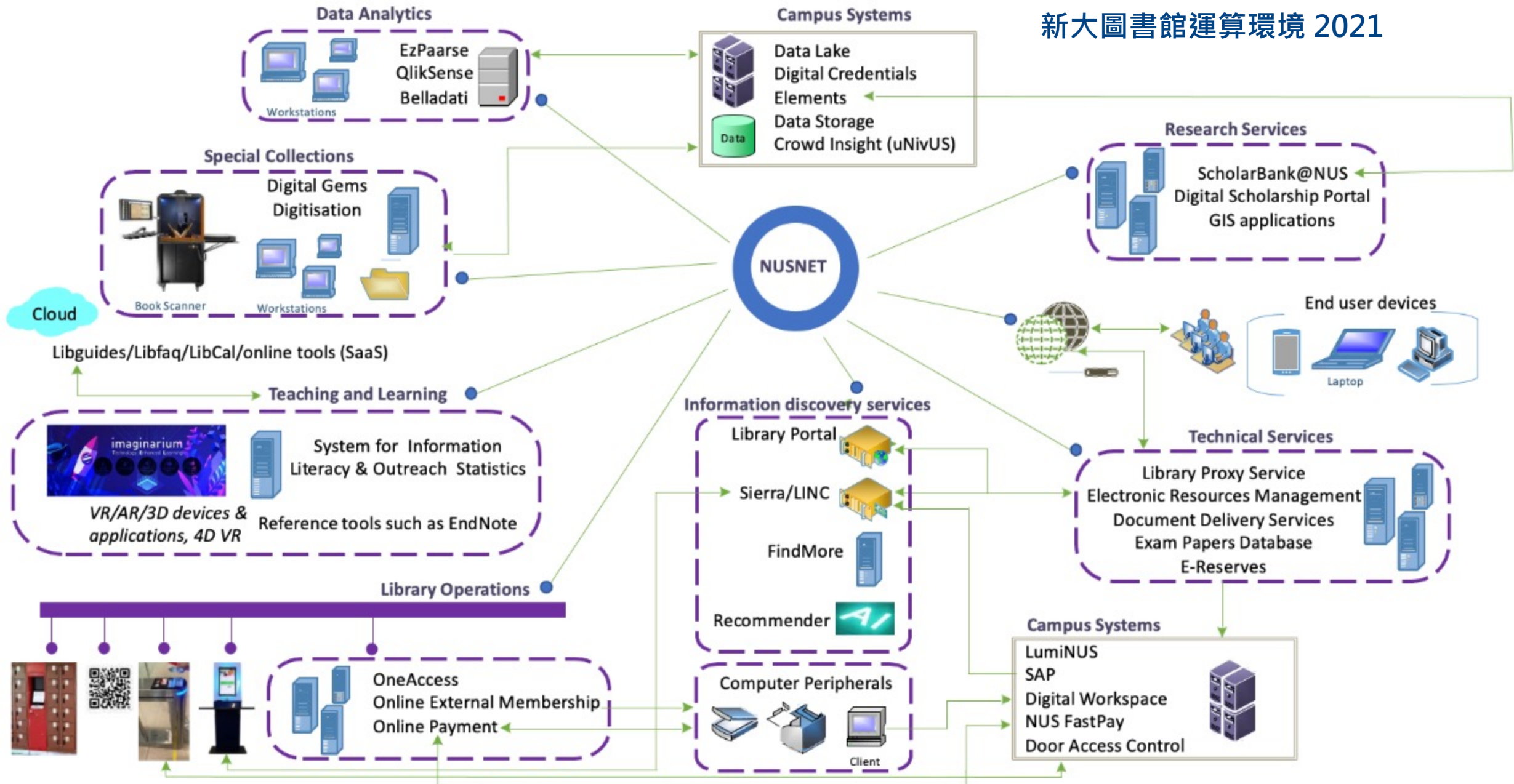
Intelligence Environment

- Renovation (Central, Medicine+ Science, HSSML)
- Smart control
- Smart lockers*
- Smart Shelves*
- Airtame
- Facial Recognition Door Access*
- Unmanned RFID Security Gates*
- Space occupancy tracking

***New/Enhance/Expand**

NUS Libraries Computing Environment 2021

新大圖書館運算環境 2021



NUS Libraries...Since 1905

自1905年起的新大圖書館



Central Library



Wan Boo Sow Chinese Library



Music Library



CJ Koh Law Library

Bukit Timah Campus



East Asia Institute Library

Bukit Timah Campus



Hon Sui Sen Memorial Library



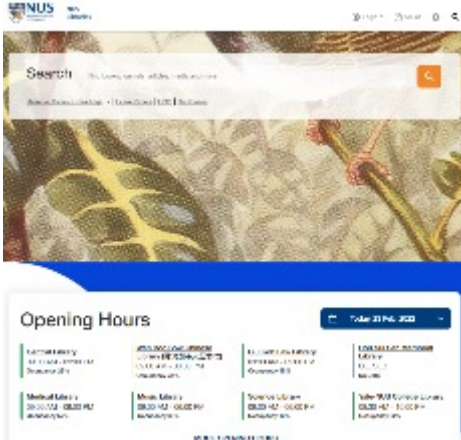
Medical Library

+



Science Library

Medicine+Science Library



Digital Library

Repurposing Space

空間再利用



Medicine+Science Library



Hon Sui Sen Memorial Library



Opening the doors

to knowledge

Central Library



Enhancing Learning



Impacting Research



Enriching Experiences

Revitalising

圖書館再規劃

Libraries

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360imx



TEL-
Imaginarium



Digital Scholarship Lab

Improving Phygital Spaces Central Library Revitalisation

活化中央圖書館



Lightboard



Self Recording
Studio



Discussion and Project
Rooms with Airtime



Experience the Power of Imagination Like Never Before

Wonder how augmented reality and virtual reality can be part of your learning and teaching?



nts for the first 25 NUS students will be FREE!

[to find out more!](#)

Imaginarium

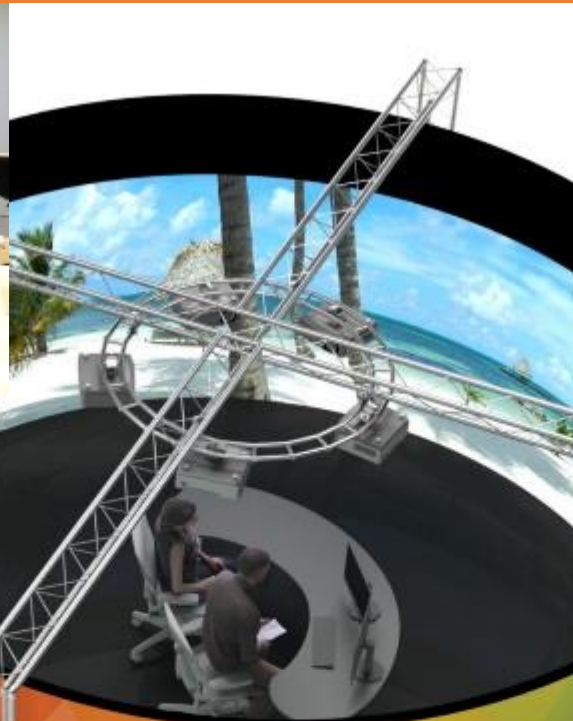
to stimulating and cultivating the imagination. The NUS TEL Imaginarium will facilitate experiential learning - these include a state of the art mixed reality room, lenses, 360 degree cameras, leap motion, projection mapping and 4D Virtual s. Technology-enhanced learning (TEL) should not be merely cool and

Shared, immersive 360 experience

360度沉浸式共享體驗



Bringing the world into the Igloo;
Deliver remote lectures,
presentations



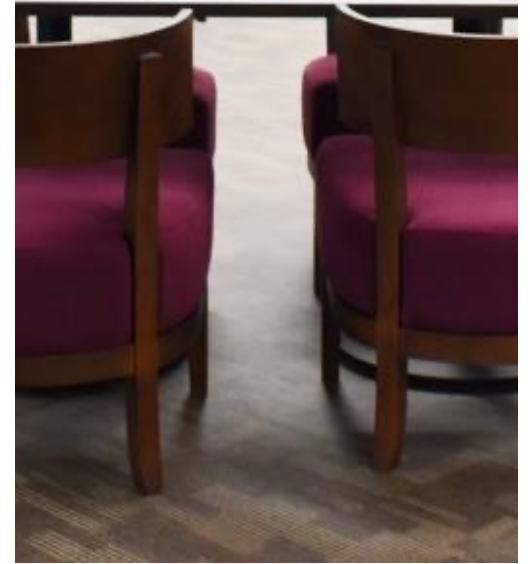
Facilitate interdisciplinary discussions
Create multi-sensory experience

<https://sway.office.com/Zxjb9AjwWjak2R6I>



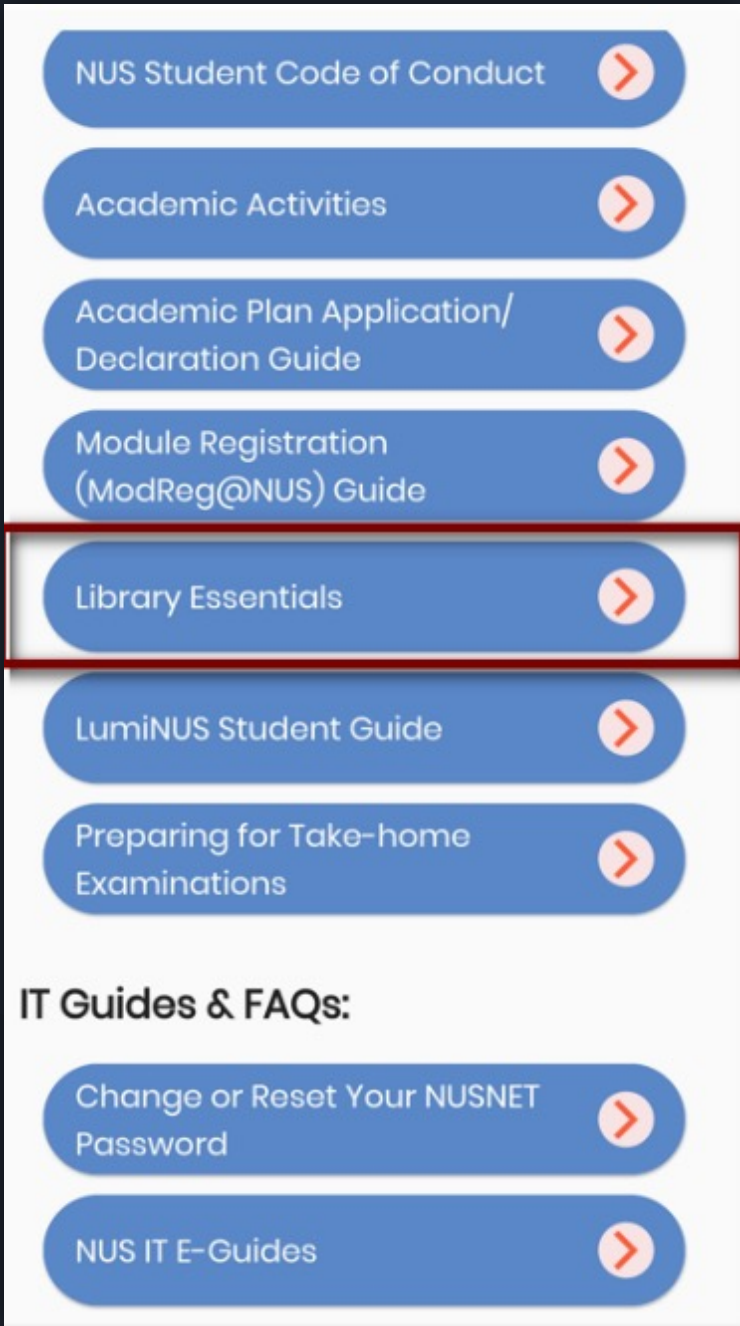
credits: igloovision.com





Individual Study or Group Collaboration Spaces

自修或小組討論空間



Services on-the-Go

即將到來的更多服務

- Refresh library portal with new technology
 - Library Essentials on uNivUS
 - Future plan: Library mobile app
- Seamless Integration with LumiNUS/Canvas

Bridging Knowledge

接軌知識泉源

Thank you for your
attention

CENTRAL LIBRARY