

**National Heritage Board  
List of Awarded Projects – Heritage Research Grant**

1	Project	Tombs in a tropical forest, from the Heng San Ting (Eternal Mountain Pavillion: New Sources for the history of Singapore's earliest Hokkien community) ( <b>AWARDED 2016 - COMPLETED</b> )	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Kenneth Dean (Principal Investigator, <a href="mailto:chsdek@nus.edu.sg">chsdek@nus.edu.sg</a> )	Chinese Studies, National University of Singapore
		Ong Chang Woei (Co-investigator)	Chinese Studies, National University of Singapore
		Koh Khee Heong (Co-investigator)	Chinese Studies, National University of Singapore
		Hue Guan Thye (Co-investigator)	Chinese, Nanyang Technological University
	Aim	<p>This project engages in the documentation and study of a group of recently discovered Hokkien tombs originally based in Heng San Ting that were subsequently relocated to Bukit Brown Cemetery in the late 19<sup>th</sup> century. These tombstones are among the earliest material objects bearing Singapore's rich cultural heritage. 469 tombstones are arranged in rows in a heavily forested hillside section of the Hokkien Huay Kuan cemetery off Onreat Road. The tombstones date primarily to the Daoguang period (1821-1850), with a minority dating from the Xianfeng (1851-61), Tongzhi (1862-74), Guangxu (1875-1908) and Xuantong (1909-1911) periods.</p> <p>The research team sought the help of the cemetery caretaker to clear the site and provide physical access for the wider community. Repeated site visits were made to transcribe the inscriptions, measure and photograph the tombstones. The tombstone data transcriptions and GPS coordinates have been uploaded into an online database (<a href="http://shgis.edu.sg">shgis.edu.sg</a>) for the benefit of those interested in early Singapore's history, culture and heritage. The team will publish the findings in a volume on Singaporean Qing dynasty tombstones, along with interpretive essays on the history of Singapore cemeteries.</p> <p>These materials shed new light on migration and religious figures in early Singapore. For example, 40 Daoguang period tombs can be traced to one lineage group from a single village in Zhangzhou (the Cai lineage from Xiechang village), China. It is hypothesised that all these poor migrants must have come to Singapore as a group. More elaborate tombs of wealthier members of the Cai lineage from Xiechang dating to the same period have been found elsewhere in the Bukit Brown cemetery. From these tombs, we can begin tracing issues on class, labour migration, and merchant leadership relating to the early Singaporean Chinese community.</p>	

2	Project	The Nine Emperor Gods Festival in Singapore: History, Rituals, Institutions and Networks <b>(AWARDED 2016 - COMPLETED)</b>											
	Research Team	<table border="1"> <thead> <tr> <th data-bbox="465 308 1301 347">Name</th> <th data-bbox="1301 308 2152 347">Faculty/Institution</th> </tr> </thead> <tbody> <tr> <td data-bbox="465 347 1301 387">Koh Keng We (Principal Investigator, <a href="mailto:kohkw@ntu.edu.sg">kohkw@ntu.edu.sg</a>)</td> <td data-bbox="1301 347 2152 387">History, Nanyang Technological University</td> </tr> <tr> <td data-bbox="465 387 1301 427">Kenneth Dean (Co-investigator)</td> <td data-bbox="1301 387 2152 427">Chinese Studies, National University of Singapore</td> </tr> <tr> <td data-bbox="465 427 1301 467">Choi Chi-Cheung (Co-investigator)</td> <td data-bbox="1301 427 2152 467">History, Chinese University of Hong Kong</td> </tr> <tr> <td data-bbox="465 467 1301 536">Hue Guan Thye (Co-investigator)</td> <td data-bbox="1301 467 2152 536">Max Planck Institute for the Study of Religious and Ethnic Diversity, Germany</td> </tr> </tbody> </table>	Name	Faculty/Institution	Koh Keng We (Principal Investigator, <a href="mailto:kohkw@ntu.edu.sg">kohkw@ntu.edu.sg</a> )	History, Nanyang Technological University	Kenneth Dean (Co-investigator)	Chinese Studies, National University of Singapore	Choi Chi-Cheung (Co-investigator)	History, Chinese University of Hong Kong	Hue Guan Thye (Co-investigator)	Max Planck Institute for the Study of Religious and Ethnic Diversity, Germany	
Name	Faculty/Institution												
Koh Keng We (Principal Investigator, <a href="mailto:kohkw@ntu.edu.sg">kohkw@ntu.edu.sg</a> )	History, Nanyang Technological University												
Kenneth Dean (Co-investigator)	Chinese Studies, National University of Singapore												
Choi Chi-Cheung (Co-investigator)	History, Chinese University of Hong Kong												
Hue Guan Thye (Co-investigator)	Max Planck Institute for the Study of Religious and Ethnic Diversity, Germany												
	Aim	This project examines the Nine Emperor Gods Festival, an important Chinese folk religious festival unique to Southeast Asia. The annual celebration of the Nine Emperor Gods Festival is a reminder of Singapore's maritime heritage and the Chinese community's close attachment to the sea. Its persistence raises many questions not just for our understanding of the festival and its history, but for a Singapore that is redefining and renegotiating its place in a globalised world.											
3	Project	Archaeology survey and assessment: Identifying terrestrial sites and developing future framework in Singapore <b>(AWARDED 2016 - COMPLETED)</b>											
	Research Team	<table border="1"> <thead> <tr> <th data-bbox="465 834 1301 874">Name</th> <th data-bbox="1301 834 2152 874">Faculty/Institution</th> </tr> </thead> <tbody> <tr> <td data-bbox="465 874 1301 951">Lim Chen Sian (Principal Investigator, <a href="mailto:lim_chen_sian@iseas.edu.sg">lim_chen_sian@iseas.edu.sg</a>)</td> <td data-bbox="1301 874 2152 951">Archaeology Unit, ISEAS-Yusof Ishak Institute</td> </tr> </tbody> </table>	Name	Faculty/Institution	Lim Chen Sian (Principal Investigator, <a href="mailto:lim_chen_sian@iseas.edu.sg">lim_chen_sian@iseas.edu.sg</a> )	Archaeology Unit, ISEAS-Yusof Ishak Institute							
Name	Faculty/Institution												
Lim Chen Sian (Principal Investigator, <a href="mailto:lim_chen_sian@iseas.edu.sg">lim_chen_sian@iseas.edu.sg</a> )	Archaeology Unit, ISEAS-Yusof Ishak Institute												
	Aim	<p>Since 1984, archaeologists have been quietly investigating early settlements and past societies of Singapore. Despite being a highly urbanized city, archaeological remains from pre-modern and colonial Singapore abound and still lay buried beneath the streets, parks and cityscapes. To date over 30 sites were excavated with an estimated 10 tons of artifacts recovered, evident of the rich and significant archaeological reservoirs found throughout the country.</p> <p>At present, regulatory and legislative framework relating to archaeology in Singapore is still underdeveloped. Archaeological or heritage impact assessments are not yet required as a mandatory undertaking prior to development or construction, resulting in the destruction and loss of many archaeological remains. The laws are also silent on other issues like ownership of artifacts discovered by chance or from archaeological investigations.</p> <p>Hence together with the National Heritage Board, Singaporean archaeologist Lim Chen Sian embarked on a study of archaeological frameworks from ten countries around the world. Surveying legislative requirements and operating</p>											

		protocols by state and non-state archaeological institutions, and developing a roadmap to address crucial and salient questions about the future of Singapore's archaeological assets – when is it necessary for archaeological intervention and mitigation? Who owns the objects unearthed? What happens to artifacts after they are found? What are the resources required for the custody and preservation of the archaeological collection?	
4	Project	Digital database for archaeological remains from Singapore Cricket Club <b>(AWARDED 2016 - COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		John Norman Miksic (Principal Investigator, <a href="mailto:seajnm@nus.edu.sg">seajnm@nus.edu.sg</a> ) Goh Geok Yian (Co-Investigator)	Southeast Asian Studies, National University of Singapore History, Nanyang Technological University
	Aim	This project aims to create a digital database for the artefacts uncovered on the Singapore Cricket Club's grounds on the Padang. The research and cataloguing efforts on these artefacts will help shed light on early Singapore's history and determine the extent to which 14 <sup>th</sup> -16 <sup>th</sup> century Singapore possessed an official authority that allocated space to specific commercial occupations compared to other pre-colonial port sites. The findings from the project and the digital database can be accessed on <a href="http://www.epress.nus.edu.sg/sitereports/scc">www.epress.nus.edu.sg/sitereports/scc</a>	
5	Project	Integrating heritage in Singapore's urban development: historic places of worship in Telok Ayer, Tanjong Pagar, and Tanjong Malang <b>(AWARDED 2016 - COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Vivienne Wee (Principal Investigator, <a href="mailto:viviennewee@ethnographica.sg">viviennewee@ethnographica.sg</a> ) Geoffrey Benjamin (Co-Investigator)	Ethnographica Private Limited, commissioned by Singapore Heritage Society Ethnographica Private Limited, commissioned by Singapore Heritage Society
	Aim	This project documents the tangible and intangible cultural heritage of historic places of worship in Telok Ayer, Tanjong Pagar and Tanjong Malang that are earlier than the Second World War. The project delivered a 321-page final report and 633 captioned, publication-quality photographs of the twenty-one places studied, including Chinese temples, Chinese clan associations, mosque, Muslim sites, Hindu temples and a church.  The research sites were chosen for the following reasons:	

		<p>First, Telok Ayer, Tanjong Pagar, and Tanjong Malang are the earliest settled areas after the founding of the British trading port. These are hence a living connection with Singapore’s almost 200-year history of human settlement.</p> <p>Second, most of these are still active places of worship, thereby constituting living heritage. They represent a continuation of purpose, where structures continue to be used for their original purpose, rather than being modified for different use, sometimes inappropriately. The project includes an example where what is conserved as tangible heritage is a hollow shell that has lost its purpose.</p> <p>Third, these places of worship potentially provide social anchors for historically continuous communities as custodians of intangible cultural heritage, able to transmit collective knowledge and shared memories across generations.</p> <p>Fourth, these places of worship established in the 19th century and in the early years of the 20th century are culturally diverse, ranging from Chinese religion, encompassing Taoism and Buddhism, Hinduism, Malay animism, Islam and Christianity. This shows that cultural diversity in Singapore commenced almost 200 years ago. Conservation must thus include the range of cultural diversity represented by these places of worship, rather than the preservation of isolated entities.</p> <p>Fifth, the research is innovative in adopting a holistic approach that encompasses tangible and intangible cultural heritage and the concerns of stakeholders.</p> <p>The research process showed that notions of “living heritage” and “historically continuous communities” cannot be assumed because there is a crisis of continuity in many of the twenty-one places of worship. To achieve the project’s aim of contributing to a deeper understanding of how heritage may be conserved and sustained, the research found that community engagement is a priority, with stakeholders invested in their collective heritage.</p>								
6	Project	Mortars, renders and plasters composition of historic structures built in 20th century Singapore: Suitability and durability assessment for conservation specifications ( <b>AWARDED 2016 - COMPLETED</b> )								
	Research Team	<table border="1"> <thead> <tr> <th data-bbox="463 1193 1301 1230">Name</th> <th data-bbox="1301 1193 2152 1230">Faculty/Institution</th> </tr> </thead> <tbody> <tr> <td data-bbox="463 1230 1301 1305">Yeo Kang Shua (Principal Investigator, <a href="mailto:yeokangshua@sutd.edu.sg">yeokangshua@sutd.edu.sg</a>)</td> <td data-bbox="1301 1230 2152 1305">Architecture &amp; Sustainable Design, Singapore University of Technology and Design</td> </tr> <tr> <td data-bbox="463 1305 1301 1342">Ong Eng Shi (Co-investigator)</td> <td data-bbox="1301 1305 2152 1342">Science, Singapore University of Technology and Design</td> </tr> <tr> <td data-bbox="463 1342 1301 1385">Thio Beng Joo, Reginald (Co-investigator)</td> <td data-bbox="1301 1342 2152 1385">Singapore Institute of Technology</td> </tr> </tbody> </table>	Name	Faculty/Institution	Yeo Kang Shua (Principal Investigator, <a href="mailto:yeokangshua@sutd.edu.sg">yeokangshua@sutd.edu.sg</a> )	Architecture & Sustainable Design, Singapore University of Technology and Design	Ong Eng Shi (Co-investigator)	Science, Singapore University of Technology and Design	Thio Beng Joo, Reginald (Co-investigator)	Singapore Institute of Technology
Name	Faculty/Institution									
Yeo Kang Shua (Principal Investigator, <a href="mailto:yeokangshua@sutd.edu.sg">yeokangshua@sutd.edu.sg</a> )	Architecture & Sustainable Design, Singapore University of Technology and Design									
Ong Eng Shi (Co-investigator)	Science, Singapore University of Technology and Design									
Thio Beng Joo, Reginald (Co-investigator)	Singapore Institute of Technology									

		Soh Gim Song (Co-investigator)	Engineering Product Development, Singapore University of Technology and Design
	Aim	This project engages in an analytical study of the mortars, renders and plasters used in the construction of key historic structures built in 20 <sup>th</sup> century Singapore. By doing so, the project seeks to establish a baseline database that will help facilitate future use of appropriate repair materials and assist in the conservation of historic structures in Singapore.	
7	Project	Heritage Values of Chinese Schools as Cultural Spaces <b>(AWARDED 2016 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Qu Jingyi (Principal Investigator, Qu Jingyi ( <a href="mailto:jyqu@ntu.edu.sg">jyqu@ntu.edu.sg</a> ))	Chinese, Nanyang Technological University
		Wong Chee Meng (Co-investigator)	Independent Scholar
		Li Jia (Co-investigator)	Arts, Language and Culture, National Institute of Education
	Aim	<p>This project aims to identify, document and analyse the heritage of Singapore Chinese schools. It does so with a view towards examining the social value of Chinese schools as sites of an evolving cultural tradition for the Singaporean Chinese community.</p> <p>By doing so, the project seeks to understand the relationship between schools and the larger social networks of the Chinese community, how certain schools enjoy particular significance as places of learning, and the range of community attitudes towards preserving Chinese school heritage in both tangible and intangible aspects.</p>	
8	Project	Modern Values and Innovation of Chinese Opera in Singapore <b>(AWARDED 2016 - COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Wang Bing (Principal Investigator, <a href="mailto:bing.wang@nie.edu.sg">bing.wang@nie.edu.sg</a> )	National Institute of Education
		Chua Soo Pong (Co-investigator)	SIM University
	Aim	This project aims to examine the value of Chinese opera in modern Singapore society. It seeks to form a basis of cultural conservation by addressing the question of how Singapore Chinese opera can realise its progressive innovations and guard against cultural decline.	

9	Project	Collective Biography of the Singapore Chinese Community (1922–1972): The Digitization and Analysis of the Bukit Brown Burial Records in the National Archives ( <b>AWARDED 2016 – COMPLETED</b> )	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Kenneth Dean (Principal Investigator, <a href="mailto:chsdek@nus.edu.sg">chsdek@nus.edu.sg</a> )	Chinese Studies, National University of Singapore
		Ong Chang Woei (Co-investigator)	Chinese Studies, National University of Singapore
		Koh Khee Heong (Co-investigator)	Chinese Studies, National University of Singapore
	Hue Guan Thye (Co-investigator)	Chinese, Nanyang Technological University	
Aim	<p>This project offers an in-depth analytical study of the Bukit Brown Burial Records found in the National Archives of Singapore. The Bukit Brown cemetery was open from 1922 until 1972, during which time over 72,000 tombs were established in the cemetery. The Burial Records are written in English, with names transcribed from various Chinese dialects. The tombstones have names in Chinese, places of origin, dates of death (as opposed to dates of burials), names of descendants, and other information (titles, epitaphs, poetry, geomantic verses, sculpture, tiles decorations, paintings).</p> <p>The research team has digitized almost 2/3 of the burial record and have developed a database that will facilitate research on tombstone inscriptions. This database will enable researchers to develop a “collective biography” across two to three generations of Chinese Singaporeans. It will help shed light on the history, demographics and genealogy of the 19th and early 20th century Singapore Chinese community. The project links tangible heritage (cemetery and archival records) with identity (demographics) and will help facilitate the relation of research findings to a more systematic data collection on Chinese Singaporean history.</p>		
10	Project	Singapore’s Tangible Heritage in Virtual and Augmented Reality ( <b>AWARDED 2017 – COMPLETED</b> )	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Yeo Kang Shua (Principal Investigator, <a href="mailto:yeokangshua@sutd.edu.sg">yeokangshua@sutd.edu.sg</a> )	Architecture & Sustainable Design, Singapore University of Technology and Design
	Shaohui Foong (Co-investigator)	Engineering Product Development, Singapore University of Technology and Design	
Aim	This project seeks to develop an online platform to share Singapore’s tangible heritage in 3D mesh format with incorporation for Virtual and Augmented Reality applications. By doing so, the project hopes to promote more		

		accurate documentation, a better study of Singapore's tangible heritage and increased accessibility to researchers and interested members of the public alike.	
11	Project	Theatres of History and Memory: Industrial Heritage of 20 <sup>th</sup> Century Singapore <b>(AWARDED 2017 - COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Loh Kah Seng (Principal Investigator, <a href="mailto:lkshis@gmail.com">lkshis@gmail.com</a> )	Independent Scholar, supported by Nanyang Technological University's Economic Growth Centre
		Tan Tiong Hee (Co-investigator)	Independent Scholar
		Koh Keng We (Co-investigator)	History, Nanyang Technological University
James Ang (Co-investigator)	Economic Growth Centre, Nanyang Technological University		
Aim	<p>This project aims to offer insights on Singapore's industrial heritage by collecting stories and memories related to industrial heritage at the local, national and transnational scales.</p> <p>In doing so, the project seeks to help connect different generations of Singaporeans together and give breath to a 'living history' that is meaningful to them and Singapore's history, place and identity.</p>		
12	Project	Study on the Perceptions of Singapore's Built Heritage and Landmarks <b>(AWARDED 2017 - COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Seah Chia Shih Paveena (Principal Investigator)	Institute of Policy Studies, National University of Singapore - Lee Kuan Yew School of Public Policy
		Natalie Pang (Co-investigator, <a href="mailto:natalie.pang@nus.edu.sg">natalie.pang@nus.edu.sg</a> )	Institute of Policy Studies, National University of Singapore - Lee Kuan Yew School of Public Policy
	Leong Chan-Hoong (Co-investigator)	Institute of Policy Studies, National University of Singapore - Lee Kuan Yew School of Public Policy	
Aim	<p>This research aims to understand how Singaporeans perceived built heritage, what is the appraisal logic involved in evaluating the importance of a heritage site, and how does perceptions of physical heritage influence the sense of national identity, national pride and personal well-being among Singaporeans. This study is conducted in two phases — first, a series of in-depth focus group discussions, followed by a survey.</p>		



13	Project	Designing Cultures: Rising cultural understanding and multicultural appreciation through Singapore's oral traditions and location mapping ( <b>AWARDED 2017 - COMPLETED</b> )	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Jesvin Puay-Hwa Yeo (Principal Investigator, <a href="mailto:JesvinYeo@ntu.edu.sg">JesvinYeo@ntu.edu.sg</a> )	Visual Communication, Nanyang Technological University
		Laavanya Kathiravelu (Co-investigator)	Sociology, Nanyang Technological University
		Sa'eda Bte Buang (Co-investigator)	Asian Languages and Cultures, National Institute of Education
		Liew Jie Ni (Co-investigator)	Ministry of Education
	Ng Boon Yew (Co-investigator)	Brand Union Singapore	
Aim	This project aims to study myths and taboos as an oral tradition amongst the Singaporean Malay, Indian and Chinese communities. It seeks to record and raise awareness for oral traditions as an aspect of Singapore's ICH through geo-spatial mapping and oral recordings in historic ethnic enclaves. The project does so with a view towards forging a deeper understanding of the integral connections between oral traditions, people and landscapes in Singapore.		
14	Project	Evaluating the Tangible and Intangible Heritage of Shopping Centres in Singapore ( <b>AWARDED 2017 - COMPLETED</b> )	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Liew Kai Khiun (Principal Investigator, <a href="mailto:KKLIEW@ntu.edu.sg">KKLIEW@ntu.edu.sg</a> )	School of Communications and Information, Nanyang Technological University
		Natalie Pang Lee San (Co-investigator)	Institute of Policy Studies, National University of Singapore - Lee Kuan Yew School of Public Policy
		Lai Chee Kien (Co-investigator)	Architecture and Sustainable Design, Singapore University of Technology and Design
		Crystal Abidin (Co-investigator)	Sociology, National University of Singapore
Aim	This project aims to engage in an analytical study of the heritage of shopping centres in Singapore. In doing so, the project seeks to conduct the macro-mapping and stocking of past and present shopping centres, paying particular attention to the memory bank of both retailers and shoppers to reconstruct and remap the characteristics of demolished shopping centres in Singapore.		
15	Project	Qing Dynasty Tombs of Singapore: a digital archival project ( <b>AWARDED 2018 - COMPLETED</b> )	



	Research Team	Kenneth Dean (Principal Investigator, <a href="mailto:chsdek@nus.edu.sg">chsdek@nus.edu.sg</a> )	Chinese Studies, National University of Singapore
		Feng Chen-Chieh (Co-investigator)	Geography, National University of Singapore
		Wang Yi-Chen (Co-investigator)	Geography, National University of Singapore
		Hue Guan Thye (Co-investigator)	Chinese Studies, National University of Singapore
	Aim	<p>This project seeks to enhance previous documentation work on Chinese graves in Heng Shan Ting and Bukit Brown. It seeks to complete the documentation of Qing Dynasty tombstones in Bukit Brown, Lau Sua Cemetery and adjoining cemeteries and link the research findings to the NUS Singaporean Biographical Database (SBDB) as a digital research tool for the study of Singaporean family history and heritage.</p> <p>The project focuses on 500 Qing dynasty tombs scattered in different sections of the Bukit Brown and surrounding cemeteries. Some of these tombs were moved as groups into sections of Bukit Brown, Lau Sua and Seh Ong cemeteries in the late Qing period. The tombs also include some tombs of famous Singaporeans preserved in obscure corners of Singapore, like the tombs of Tan Tock Seng and Seah Eu Chin. The family tombs of notable personalities like Cheang Hong Lim were also moved into Bukit Brown after private family cemeteries were closed and exhumed throughout Singapore. Some of these tombstones are notable for their fine calligraphy, stone carvings, decorative tiles, poetry and geomantic writings and tomb architecture.</p> <p>The research data allows researchers to uncover new information on a broad set of Qing dynasty pioneer migrants and their early family members. The data can also be used to study migration patterns, family demographics, early religious figures, social organizations such as lineage halls, Buddhist monasteries, native-place associations, and burial societies. The locations of these historical tombs and cemeteries are available online (<a href="http://shgis.nus.edu.sg">shgis.nus.edu.sg</a>) for the benefit of interested parties.</p>	
16	Project	Mapping the Southern Islands' heritage landscapes: Integrating culture and nature in heritage conservation <b>(AWARDED 2018 – COMPLETED)</b>	
Research Team	<b>Name</b>	<b>Faculty/Institution</b>	
	Hamzah Muzaini (Principal Investigator, <a href="mailto:seahm@nus.edu.sg">seahm@nus.edu.sg</a> )	Southeast Asian Studies, National University of Singapore	
	Creighton Connolly (Co-investigator)	Asia Research Institute, National University of Singapore	
	Sonia Lam (Co-investigator)	Asia Research Institute, National University of Singapore	

		Rita Padawangi (Co-investigator)	Common Curriculum, Singapore University of Social Sciences
		Desmond Hok-Man Sham (Co-investigator)	International Centre for Cultural Studies, National Chiao Tung University
	Aim	<p>This project aims to explore the degree of porosity and inter-relations between the cultural and natural aspects of heritage with regards to Singapore's Southern Islands, with a specific focus on St John's Island and Lazarus Island. It does so with reference not just to the study of the historical background and formal visions for Singapore's Southern Islands landscapes, but also to the grounded experiences of islanders whose lives were closely intertwined with the landscape itself.</p> <p>The project seeks to tap upon its research findings to promote the unique history and heritage of the Southern Islands to Singaporeans and inform future development projects on the islands. This will be eventually accomplished through an exhibition and walking trail on the Southern Islands.</p>	
17	Project	Understanding the Resilience of Cottage Industries in Singapore <b>(AWARDED 2018 - COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		John A. Donaldson (Principal Investigator, <a href="mailto:jdonaldson@smu.edu.sg">jdonaldson@smu.edu.sg</a> )	Political Science, Singapore Management University
		Yogaanathan s/o Theva	Research Fellow, Singapore Management University
	Aim	<p>This project explores the factors that underpin the resilience of cottage industries in Singapore. Cottage industries have traditionally played twin roles of preserving traditional and cultural production practices and helping support often low-income families. However, many scholars argue that global and local economic and social changes reduce the ability of cottage industries to continue to perform these important roles. This research project asks: in what ways do cottage industries continue to play these kinds of cultural and economic roles? How and to what extent are cottage industries able to adapt to such changes?</p>	
18	Project	The Hidden Shrines of Singapore: Mapping and Narrating Multi-Religious Heritages <b>(AWARDED 2018 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Sujatha Arundathi Meegama (Principal Investigator, <a href="mailto:sujathameegama@ntu.edu.sg">sujathameegama@ntu.edu.sg</a> )	Art, Design and Media, Nanyang Technological University

		Owen Noel Newton Fernando (Co-investigator)	Computer Engineering, Nanyang Technological University
		Sum Wai Yuan Hedren (Co-investigator)	NTU Libraries, Nanyang Technological University
	Aim	This digital humanities research project aims to document and interpret small but important shrines to diverse gods hidden in the urban and jungle environments of Singapore. It does so with a view towards examining potentially significant alternative narratives to those found in Singapore's larger and more established temples. This collaborative endeavour, between researchers and students at the School of Art, Design and Media and the School of Computer Science and Engineering at NTU, will develop a website that hosts a Google map, which visualizes the GPS locations of each shrine on this island. In addition, a database of photographs will be further enhanced through a crowdsourcing App along with AR. This linked map and database will serve as a research platform for scholars in other disciplines. In light of Singapore's rapidly changing landscapes, this project hopes to provide a more nuanced understanding of the island's sacred geographies and heritages.	
19	Project	Edible Heritage: Foodscapes and Sensory Heritage Making in Chinatown and Little India <b>(AWARDED 2018 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Kelvin E.Y. Low (Principal Investigator, <a href="mailto:kelvinlow@nus.edu.sg">kelvinlow@nus.edu.sg</a> )	Sociology, National University of Singapore
		Hui Yew-Foong (Co-investigator)	Sociology, Hong Kong Shue Yan University/ISEAS-Yusof Ishak Institute
	Aim	This project seeks to document and analyse foodscapes and sensory heritage in Singapore. It does so with particular reference to the case studies of Chinatown and Little India in reflecting how everyday memories and gastronomic experiences serve as avenues through which sensory heritage may be delineated and constructed. Through its research, the project hopes to be able to make pertinent contributions towards the study of intangible cultural heritage, social memory and food studies in Singapore.	
20	Project	A Study of Pre-1971 Military Housing and Ancillary Buildings on Singapore Island <b>(AWARDED 2018 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Yeo Kang Shua (Principal Investigator, <a href="mailto:yeokangshua@sutd.edu.sg">yeokangshua@sutd.edu.sg</a> )	Architecture and Sustainable Design, Singapore University of Technology and Design

		Foong Shaohui (Co-investigator)	Engineering Product Development, Singapore University of Technology and Design
	Aim	This project aims to provide an understanding of the architectural, military planning and social histories of former British military housing and ancillary function buildings on Singapore island. It seeks to identify pre-1971 military housing clusters on Singapore and the extant historical military housing and ancillary buildings within each cluster. The study will attempt to delve into the origins of these buildings, the functions they served, their architectural features and changes over time, as well as the associated regiments, personnel and supporting groups of people. In doing so, the project seeks to contribute to the literature on historical military housing and buildings in Singapore.	
21	Project	Archipelago Communities and Singapore Heritage/Identity: Adaption, Acculturation and Assimilation <b>(AWARDED 2018 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Koh Keng We (Principal Investigator, <a href="mailto:kohkw@ntu.edu.sg">kohkw@ntu.edu.sg</a> )	History, Nanyang Technological University
		Jan van der Putten (Co-investigator)	Asia Africa Institute, University of Hamburg
		Mohamed Effendy bin Abdul Hamid (Co-investigator)	Southeast Asian Studies, National University of Singapore
		Sai Siew Min (Co-investigator)	Independent Scholar
		Humairah Zainal (Co-investigator)	Harvard Divinity School, Harvard University
		Tom Hoogervorst (Co-investigator)	Royal Netherlands Institute of Southeast Asian and Caribbean Studies
	Aim	This project engages in an analytical study of the formation, assimilation and evolution of archipelago communities in Singapore. Through the study of the Banjarese, Baweanese and Peranakan communities, the project aims to highlight the regional and archipelagic dimensions of heritage and identity in Singapore.	
22	Project	Reinstating Malay manuscripts as cultural heritage through locating personal manuscripts collections and re-discovering the art of manuscript recital of the Malay community in Singapore <b>(AWARDED 2018 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Sa'eda Bte Buang (Principal Investigator, <a href="mailto:saeda.buang@nie.edu.sg">saeda.buang@nie.edu.sg</a> )	Asian Languages and Cultures, National Institute of Education
		Kartini Anwar (Co-investigator)	Asian Languages and Cultures, National Institute of Education

	Aim	This project seeks to document and analyse the intangible cultural heritage that lies behind Jawi manuscripts and the art of reciting said manuscripts in the Singaporean Malay community. In doing so, the project will explore whether and why Singapore Malays still keep Malay manuscripts in their homes and whether the art of manuscript recital is still practiced today. Through its research, the project hopes to be able to make lasting contributions towards the present pool of resources on Malay culture and traditions in Singapore.	
23	Project	Singapore Chinese Funerary Practices <b>(AWARDED 2018 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Lye Kit Ying (Principal Investigator, <a href="mailto:kylve@suss.edu.sg">kylve@suss.edu.sg</a> )	Centre for University Core, College of Lifelong and Experiential Learning, Singapore University of Social Sciences
		Kam Foong Janice (Co-investigator)	Centre for University Core, College of Lifelong and Experiential Learning, Singapore University of Social Sciences
		Terence Heng (Co-investigator)	Sociology, University of Liverpool
	Aim	<p>This project explores variations in funeral rites practiced by the Cantonese Buddhists and Taoists in Singapore arising from ethnic differences, modernisation and urbanization, inter-religious and inter-cultural interactions, and indigenisation of funerary practices.</p> <p>Rapid modernisation and urbanisation has brought about modifications of various Chinese rituals in Singapore. While constraints of communal space and religious affiliations often dictate the set-up of the funeral space, Chinese funerals are also differentiated by the family's dialect group or clan, with many variations of dialect-specific funerary rituals and paraphernalia rarely documented. Inter-religious and inter-cultural interactions among the various religious and ethnic communities in Singapore have also allowed for variations in the performance of rituals. With this in mind, this project aims to document and record any rituals that are unique to Singapore, and those that reflect the indigenisation of a funerary practice that first originated from China. As the performance of death rites are necessary for the living to return to normality as members of their community after the disruption of death funerary rituals may thus play a formative role in the continual reinforcement of a Singapore Chinese identity.</p>	

		To this end, this project can offer insights into how the practice of funerary rituals has changed over the years, help Singapore Chinese to understand the deeper meanings to the rituals identified instead of simply ascribing the performance of rituals to tradition and customs, and offer an opportunity to safeguard important aspects of Chinese heritage and demonstrate their relevance to the formation of a Singapore Chinese identity and worldview. This will allow for a more thorough research into the evolution of culture, and ultimately, a Singapore identity vis-à-vis the people's observances of customs and rituals in contemporary Singapore.	
24	Project	Culinary Biographies: Charting Singapore's History Through Cooking and Consumption <b>(AWARDED 2018 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Geoffrey Kevin Pakiam (Principal Investigator, <a href="mailto:geoffrey_pakiam@iseas.edu.sg">geoffrey_pakiam@iseas.edu.sg</a> )	Regional Economic Studies Programme, ISEAS-Yusof Ishak Institute
		Michael Yeo Chai Ming (Co-investigator)	Department of History, University of Oxford/Nanyang Technological University
	Aim	<p><i>Culinary Biographies</i> seeks to examine Singapore's intangible food heritage from a <i>longue durée</i> perspective. Spanning Singapore's documented 700-year history, this study will trace the pathways through which ingredients, techniques, and regional culinary philosophies converged in Singapore. The project will demonstrate how these conjunctures established crucial precedents for some of Singapore's most iconic food offerings, mapping out the everyday historical contexts in which the island's cuisines emerged and evolved. Through food, the study will encourage interest in Singapore's social history among residents of different generations.</p> <p>Our investigation seeks to construct the 'culinary biographies' of seven food items: fish-head curry, ice kachang, laksa, biryani, Milo dinosaur, sweet potato lemak, and betel quid. We combine a focus on cuisine with the novel concept that all food items have socially embedded 'lives' that change over time, revealing the long-term dynamics and historical underpinnings of Singapore's food heritage. Each biography will trace the diversity of locations where each offering and its predecessors were prepared, the knowledge and practices of their creators and consumers, and each food's underlying material realities. In doing so, our framework aims to consolidate understandings of how tangible and intangible notions of heritage can be mutually reinforcing.</p>	
25	Project	Preserving intangible cultures: Documenting and recording the history, culture and memory of Malay martial arts groups in Singapore <b>(AWARDED 2018 – COMPLETED)</b>	
		<b>Name</b>	<b>Faculty/Institution</b>

	Research Team	Mohamed Effendy Bin Abdul Hamid (Principal Investigator, <a href="mailto:seameah@nus.edu.sg">seameah@nus.edu.sg</a> ) Mohamad Faisal bin Noordin (Co-investigator)	Southeast Asian Studies, Arts and Social Sciences, National University of Singapore Research Assistant
	Aim	This project aims to preserve and document the unique historical and cultural legacies of Malay martial arts groups. It will do so by recording the oral histories of the various Perguruans (silat schools) in Singapore, Malay martial rituals and ceremonies, Perguruan cultural artefacts and key silat movements/styles that symbolise the identity of a perguruan. In doing so, the project hopes to be able to make lasting contributions towards the preservation of the history, culture and origins of Malay martial arts groups in Singapore. More importantly, it will serve as an important source of information for future generations of Singaporeans who might be interested in researching further into the history and culture of Malay martial arts groups in Singapore.	
26	Project	Documenting Middleton Hospital, Communicable Diseases Centre and the Medical Heritage of Singapore <b>(AWARDED 2018 – COMPLETED)</b>	
	Research Team	<b>Name</b> Hsu Li Yang (Principal Investigator, <a href="mailto:mdchly@nus.edu.sg">mdchly@nus.edu.sg</a> ) Loh Kah Seng (Co-investigator) Ng Hee Ling Deborah (Co-investigator) Margaret Soon (Co-investigator)	<b>Faculty/Institution</b> Saw Swee Hock School of Public Health, National University of Singapore Independent Scholar Doctor, National Centre for Infectious Diseases Director of Nursing, National Centre for Infectious Diseases
	Aim	This project aims to address the lack of serious research and documentation of the historic role of Communicable Diseases Centre (CDC) (previously Middleton Hospital) in the prevention and control of infectious diseases in Singapore. It will do so by documenting both the tangible and intangible heritage of CDC-Middleton Hospital along with the centre's role in the treatment, care, teaching and research on infectious diseases as well as the ideas, efforts, memories and reflections of key CDC-Middleton Hospital stakeholders.	
27	Project	Research and Database on Fort Canning Spice Gardens (FTCSG) and St Andrew's Cathedral (STA) <b>(AWARDED 2019 – COMPLETED)</b>	
	Research Team	<b>Name</b> Goh Geok Yian (Principal Investigator, <a href="mailto:gygoh@ntu.edu.sg">gygoh@ntu.edu.sg</a> )	<b>Faculty/Institution</b> History, Nanyang Technological University



		John Norman Miksic (Co-investigator)	Southeast Asian Studies, National University of Singapore
	Aim	<p>This project aims to make available archaeological information from the Fort Canning Spice Gardens (FTCSG) and St Andrew's Cathedral (STA) excavations by providing analysis of post-excavation research on a publicly-accessible online database. The database will comprise a full record of the FTCSG artefacts and 5,000 representative samples of the 500,000 artefacts unearthed from STA. In presenting this information in the database and accompanying reports, the project seeks to provide a clearer and more thorough reconstruction of 14<sup>th</sup>- to early 17<sup>th</sup>-century Singapore.</p> <p>This research project will test two interconnected hypotheses: 1) detailed analysis of the composition, distribution, and proportions of wares excavated from the FTCSG and STA sites allow us to determine the functions of these two sites, and 2) the newly analyzed data added to the existing SCC online database will result in a clearer and more thorough reconstruction of 14<sup>th</sup>-early 17<sup>th</sup>-century Singapore (Temasek) by examining spatial distribution of sites and activities associated with different locations of what marked the boundary of Temasek as a polity. The analysis undertaken under this project will continue to add to the database and continuing research, which should be expanded in future to include more sites and more collections of artifacts, including those outside Singapore in the region.</p>	
28	Project	The Past, Present and Future of the Hawker Culture in Singapore: The value and implications for sustainable development and revitalisation of national hawker culture as intangible cultural heritage ( <b>AWARDED 2019 – COMPLETED</b> )	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Eunice Yoo Eun Jung (Principal Investigator, <a href="mailto:Eunice.Yoo@singaporetech.edu.sg">Eunice.Yoo@singaporetech.edu.sg</a> )	Hospitality Business/Design and Specialised Businesses, Singapore Institute of Technology
		Joan Catherine Henderson (Co-investigator)	Nanyang Business School, Nanyang Technological University
	Aim	<p>Providing foods from its diverse cultural origins of Singapore, hawker centres are more than simply public eating or consumption places; they are also sites where ideas of ethnic identity and culture are produced, communicated and reinforced through cuisine. They play a significant role in conveying socio-cultural meanings of their cultures of origin through foods, services, and ambience, yet little is known about its roles and meanings in society, undermining its potential power in the production, circulation and representation of its cultural image. In the context of Singaporean hawker centres, this project explores socio-cultural and symbolic meanings associated with hawker centres in the light of its growth. In order to provide sustainable strategies for preserving, managing, and revitalising its culture through cultural food heritage, this project aims to understand how people perceive, interpret, and utilise the landscape</p>	

		through cultural food heritage and the associated issue of authenticity by adopting a qualitative ethnographic approach. By so doing, this interdisciplinary project is expected to advance in our understanding of how food-related cultural heritage contributes towards the development of national identity.	
29	Project	A Fine-Grain History of Singapore Town: The Architecture and Socio-Morphology of Four Forgotten Neighbourhoods <b>(AWARDED 2019 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Imran bin Tajudeen (Principal Investigator, <a href="mailto:akiit@nus.edu.sg">akiit@nus.edu.sg</a> )	Department of Architecture, School of Design and Environment, National University of Singapore
		Zhang Ye (Co-investigator)	Department of Architecture, School of Design and Environment, National University of Singapore
Aim	<p>This project aims to explore how 19th and early 20th century Singapore maps, building drawings and town survey records can contribute towards a better understanding of Singapore's urban life and communities during this time period. It will do so with reference to four micro-community neighbourhoods; Campong Bengkulu, Kampung Serani, Campong Malacca and Chulia Campong around Cross Street and elsewhere. By overlaying historical maps, the project will analyse each neighbourhood to discern and retrace past historical developments and architectural patterns.</p> <p>A primary question that drives the research and documentation is the location and distribution of multicultural diversity in a fine grain perspective across the streets and urban neighbourhoods in relation to place and street names both official and vernacular/colloquial as they are recorded in various maps, building drawings, and miscellaneous records. Such records tell us the patterns of ownership and property transactions, the architectural features and nuances of Singapore's urban vernacular building types that have hitherto remained overlooked, and the growth and changes residential and business patterns in Singapore Town.</p>		
30	Project	The evolution of Singapore's Hawker Culture: street food and changing landscapes <b>(AWARDED 2019 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Vivienne Wee (Principal Investigator, <a href="mailto:viviennewee@ethnographica.sg">viviennewee@ethnographica.sg</a> )	Ethnographica Private Limited, commissioned by Singapore Heritage Society
	Sarah Huang Daiyuan Benjamin (Co-investigator)	Ethnographica Private Limited, commissioned by Singapore Heritage Society	

	Aim	<p>This project will examine how Singapore's hawker culture has evolved from past to present in terms of culinary traditions and changing landscapes. It will explore how experiences and memories of street food evokes memories of altered places. It will ask (1) how hawking practices and their culinary traditions have evolved in the last fifty years, (2) how memories of places are evoked by foods associated with particular places, and (3) whether hawkers who maintain the ways of past generations call up memories of culinary traditions and changed landscapes. Food and place, street food and streets will be studied as intertwined social realities, where experiences of one evoke memories of the other. Research methods will include ethnographic field work, oral history, archival analysis, interviews and video documentation.</p>	
31	Project	<p>Developing a Decision-Support Tool for the conservation of significant post-independence buildings in Singapore <b>(AWARDED 2019 – COMPLETED)</b></p>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Lai Choo Malone-Lee (Principal Investigator, <a href="mailto:sdemalon@nus.edu.sg">sdemalon@nus.edu.sg</a> )	Centre for Sustainable Asian Cities, National University of Singapore
		Johannes Widodo (Co-investigator)	Architecture, National University of Singapore
		Ho Weng Hin (Co-investigator)	Architecture, National University of Singapore
Fu Yuming (Co-investigator)	Real Estate, National University of Singapore		
Aim	<p>In recent years, the public discourse on urban conservation in Singapore has shifted to the consideration of post-independence buildings. However, there is no formalised institutional approach as yet to address the multiple challenges related to the potential conservation of these buildings.</p> <p>This research project is conceptualised to address this gap and concern – that there is a need for a robust decision-support framework that systematically and in a transparent manner, address the multi-faceted challenges that have emerged. It is necessary to bring professional, academic and research expertise to thoroughly assess the architectural, social-cultural, and real estate aspects of heritage management of these buildings, with the specific aim to improve administration, enhance heritage governance, gain public trust, build citizen awareness and safeguard against loss and irretrievability.</p> <p>The research will apply a multi-prong approach to develop a decision support system that incorporates:</p>		

		<ol style="list-style-type: none"> <li>1. An assessment framework that enable comprehensive, transparent and critical assessment of the historical, social-cultural and architectural significance of these buildings;</li> <li>2. An economic evaluation tool that assess these buildings under current market imperatives that carefully consider economic costs, long term viability, functionality and sustainability;</li> <li>3. A critical understanding of the prevailing sentiments, contemporary values and attitudes toward conservation of these buildings through stakeholders' participatory involvement</li> </ol> <p>It is organised in three stages, and systematically executed using various methodological approaches that straddle the domains of architecture and design, social and cultural history and urban economics. The research methods include archival search and field studies, design investigations, expert-based workshops, focus group discussions with active stakeholders' engagement and economic analysis with scenario-based enquiries.</p>								
32	Project	From Colony to Nation: Continuity and Change in the Singapore Economy, 1946-2016 <b>(AWARDED 2019 – COMPLETED)</b>								
	Research Team	<table border="1"> <thead> <tr> <th>Name</th> <th>Faculty/Institution</th> </tr> </thead> <tbody> <tr> <td>Lee Soo Ann (Principal Investigator, <a href="mailto:ecsleesa@nus.edu.sg">ecsleesa@nus.edu.sg</a>)</td> <td>Independent Researcher</td> </tr> <tr> <td>Loh Kah Seng (Co-investigator)</td> <td>Independent Researcher</td> </tr> <tr> <td>Sng Hui Ying (Co-investigator)</td> <td>Economics, Nanyang Technological University</td> </tr> </tbody> </table>	Name	Faculty/Institution	Lee Soo Ann (Principal Investigator, <a href="mailto:ecsleesa@nus.edu.sg">ecsleesa@nus.edu.sg</a> )	Independent Researcher	Loh Kah Seng (Co-investigator)	Independent Researcher	Sng Hui Ying (Co-investigator)	Economics, Nanyang Technological University
Name	Faculty/Institution									
Lee Soo Ann (Principal Investigator, <a href="mailto:ecsleesa@nus.edu.sg">ecsleesa@nus.edu.sg</a> )	Independent Researcher									
Loh Kah Seng (Co-investigator)	Independent Researcher									
Sng Hui Ying (Co-investigator)	Economics, Nanyang Technological University									
	Aim	<p>The project's objective is to research and assess the balance of continuity and change in the last 70 years of Singapore's economic history. This is a period and theme which has not been adequately studied. By beginning with the end of the Second World War, the project will investigate how the final years of colonial rule and brief merger with Malaysia had a major influence on the economy after independence in 1965 up to the present day.</p> <p>The project will demonstrate how the 1950s and early 1960s were important partly because of continuing connections between the economies of Singapore and Malaya despite the political separation of the two territories. In particular, the two driving economic ideas – Singapore's need to industrialise and the idea of a common market between the two countries – emerged and was supported by the British colonial government and international experts throughout the 1950s.</p> <p>The project will then examine continuity and change in the 1960s and 1970s which played a defining role in the transition of Singapore from colony to nation. This includes the shift to an export-oriented industrialisation programme</p>								

		<p>after independence and response to a changing regional economic environment brought about by events such as the Indonesian Confrontation and the Vietnam War. While much has been written about the political history in this period, the major developments, connections and themes in the economic history are far less studied and understood.</p> <p>Our project will study how, in subsequent years, the Singapore economy continued to adjust, reform and adapt to changing global and domestic environments from the 1970s to the present day. Beyond merely charting these developments, the project will explore more broadly the roles of the government, businesses (multinationals, government-linked companies and local small and medium enterprises) and the people (both as entrepreneurs and employees) which helped forge Singapore into a nation.</p> <p>By assessing the balance of economic continuity and change in the last 70 years, the project will allow for a richer and more nuanced understanding of the possible future course of the Singapore economy, serving as a mediation of Singapore's economic heritage and not of antiquarian interest only.</p>						
33	Project	Hidden Heritage: A series exploring Singapore's minority South Asian communities <b>(AWARDED 2019 – COMPLETED)</b>						
	Research Team	<table border="1"> <thead> <tr> <th>Name</th> <th>Faculty/Institution</th> </tr> </thead> <tbody> <tr> <td>Rajesh Rai (Principal Investigator, <a href="mailto:sasrr@nus.edu.sg">sasrr@nus.edu.sg</a>)</td> <td>South Asian Studies, National University of Singapore</td> </tr> <tr> <td>Jayati Bhattacharya (Co-investigator)</td> <td>South Asian Studies, National University of Singapore</td> </tr> </tbody> </table>	Name	Faculty/Institution	Rajesh Rai (Principal Investigator, <a href="mailto:sasrr@nus.edu.sg">sasrr@nus.edu.sg</a> )	South Asian Studies, National University of Singapore	Jayati Bhattacharya (Co-investigator)	South Asian Studies, National University of Singapore
Name		Faculty/Institution						
Rajesh Rai (Principal Investigator, <a href="mailto:sasrr@nus.edu.sg">sasrr@nus.edu.sg</a> )	South Asian Studies, National University of Singapore							
Jayati Bhattacharya (Co-investigator)	South Asian Studies, National University of Singapore							
	Aim	<p>This project primarily asks: 'Who are the 'Indians' in Singapore?' In so asking, this project seeks to unveil the plurality contained within the 'Indian' ethnic category. In effect, this project seeks to unearth the hidden heritage of lesser-known South Asian communities in Singapore, and make these histories publically known and easily accessible.</p> <p>It is envisioned as the first phase in a longer series of explorations of South Asian micro-communities that make up the 'Indian' in Singapore. Given the multitude, this proposed initial phase will focus on five lesser-known 'Indian' communities in Singapore - the Bengalis, Gujaratis, Hindustanis (Uttar Pradeshis), Telugus and Tamil Catholics. These five micro-communities were selected for their unique histories and heritage that demonstrates that particular 'Indian' identities in Singapore are also made at the intersections of ethno-regional, religious, and linguistic identities.</p>						

		<p>The study of these five communities will be conducted separately but with the common view towards understanding how these micro-communities and their identities were made in the unique socio-historical context of colonial and post-colonial Singapore. Thus questions of unique and shared historical trajectories and heritage practices, cultural productions made in the interaction with other 'Indian' and non 'Indian' communities, and their unique lived experiences of the everyday in Singapore will feature in all five studies.</p> <p>These studies will be conducted via archival and secondary research, complimented with select interviews with community representatives as well as the private archives maintained by organisations of institutions. Given the project's explicit interest in sharing these findings with the mass public, the studies will be published in highly accessible mediums: printed booklets written in accessible language, and videos introducing the communities and featuring interviews with its members.</p>	
34	Project	The Administration of Justice in Singapore: 1819-1942 <b>(AWARDED 2020 – COMPLETED)</b>	
	Research Team	<b>Name</b> Dr Kevin Tan Yew Lee (Principal Investigator, <a href="mailto:drkevintan@gmail.com">drkevintan@gmail.com</a> )	<b>Faculty/Institution</b> Independent Researcher, supported by the Law Society of Singapore
	Aim	<p>This project is designed to offer a holistic picture of the extent to which law permeated the daily and ordinary lives of those who lived in colonial Singapore during the period 1819 to 1942 by closely examining how justice was administered in the Straits Settlements. The focus will be on the development of legal and quasi-legal institutions, and on the institutional aspects of the law (such as criminal law and administrative law) rather than on the law regulating private relations (such as contracts and property law). The period under consideration ranges from 1819, when the British first established a trading post in Singapore, to 1942, when Singapore was occupied by Japan during the Pacific War.</p> <p>This study adopts a broad definition of “the administration of justice” by framing the development of the courts and its personnel in relation to the other parts of the legal system. These include: the role of the Attorney-General; the Attorney-General’s Chambers; the formulation and passage of legislation; the role of municipal government; criminal and civil procedure; the penal and prisons system; general applicable public law; the Bench and related institutions such as the Chinese Protectorate and the Straits Settlements Civil Service and</p>	

		<p>later, the Malayan Civil and Legal Services. Together, these other facets of the legal system include the law's key functions: control, facilitation, regulation and enforcement.</p> <p>The project deliverables include an academic monograph, a final report, a series of public talks and newspaper opinion pieces/journal articles.</p>								
35	Project	Social Curating and Archiving: From Personal Possessions to Public Legacy in Whampoa <b>(AWARDED 2020 – COMPLETED)</b>								
	Research Team	<table border="1"> <thead> <tr> <th>Name</th> <th>Faculty/Institution</th> </tr> </thead> <tbody> <tr> <td>Thomas Kong Kwok Hoong (Principal Investigator, <a href="mailto:akitkkh@nus.edu.sg">akitkkh@nus.edu.sg</a>)</td> <td>Architecture, National University of Singapore</td> </tr> <tr> <td>Peter Chen Chia Mien (Co-Investigator)</td> <td>Art, Design and Media, Nanyang Technological University</td> </tr> <tr> <td>Lilian Chee (Co-Investigator)</td> <td>Architecture, National University of Singapore</td> </tr> </tbody> </table>	Name	Faculty/Institution	Thomas Kong Kwok Hoong (Principal Investigator, <a href="mailto:akitkkh@nus.edu.sg">akitkkh@nus.edu.sg</a> )	Architecture, National University of Singapore	Peter Chen Chia Mien (Co-Investigator)	Art, Design and Media, Nanyang Technological University	Lilian Chee (Co-Investigator)	Architecture, National University of Singapore
Name		Faculty/Institution								
Thomas Kong Kwok Hoong (Principal Investigator, <a href="mailto:akitkkh@nus.edu.sg">akitkkh@nus.edu.sg</a> )		Architecture, National University of Singapore								
Peter Chen Chia Mien (Co-Investigator)	Art, Design and Media, Nanyang Technological University									
Lilian Chee (Co-Investigator)	Architecture, National University of Singapore									
	Aim	<i>Social Curating and Archiving</i> examines the relationship of legacy building, cultural heritage and aging in Whampoa. It investigates curating and archiving as social practices to support the formation of a public legacy through the sharing, learning, exchange and renewal of an elder's personal archive on a digital platform. Multi-agential in its reach and multidisciplinary in its approaches, the research team will collaborate with Whampoa residents, organisations and institutions in a bid to extend this private collection into a public legacy. To reinforce the entangled role that objects, stories, places and cultural histories play in the aging process, the research team will use ethnographic studies to observe, gather, interpret and understand the processes, challenges and outcomes from the curating and archiving workshops.								
36	Project	Mapping Female Religious Heritage in Singapore: Chinese Female Temples as Sites of Regional Socio-Cultural Linkage (19th Century to the Present) <b>(AWARDED 2020 – COMPLETED)</b>								
	Research Team	<table border="1"> <thead> <tr> <th>Name</th> <th>Faculty/Institution</th> </tr> </thead> <tbody> <tr> <td>Dr Show Ying Ruo (Principal Investigator, <a href="mailto:arisyr@nus.edu.sg">arisyr@nus.edu.sg</a>)</td> <td>Asia Research Institute, National University of Singapore</td> </tr> <tr> <td>Dr Kenneth Dean (Co-Investigator)</td> <td>Chinese Studies, National University of Singapore</td> </tr> </tbody> </table>	Name	Faculty/Institution	Dr Show Ying Ruo (Principal Investigator, <a href="mailto:arisyr@nus.edu.sg">arisyr@nus.edu.sg</a> )	Asia Research Institute, National University of Singapore	Dr Kenneth Dean (Co-Investigator)	Chinese Studies, National University of Singapore		
Name		Faculty/Institution								
Dr Show Ying Ruo (Principal Investigator, <a href="mailto:arisyr@nus.edu.sg">arisyr@nus.edu.sg</a> )	Asia Research Institute, National University of Singapore									
Dr Kenneth Dean (Co-Investigator)	Chinese Studies, National University of Singapore									
	Aim	<i>Mapping Women's Religious Heritage in Singapore</i> locates and documents Chinese temples in Singapore that were established and maintained by women since the late 19th century until today. In adopting a gender lens to								



		<p>study the role of Chinese religious women in Singapore’s pre-colonial and postcolonial history and their unconventional socio-religious organizations, this project brings these women and their temples to the fore to fill in a research gap in the study of female history in Singapore. This project will examine the following research questions:</p> <ol style="list-style-type: none"> <li>1. What is the cultural significance of Chinese female temples in Singapore, and why should they be preserved?</li> <li>2. Who are the women behind these temples, and how do their life experiences reveal the agency of women and provide a gender dynamic in the understanding of tangible and intangible cultural heritage in Singapore?</li> <li>3. What role did these women play in the cross-regional, transnational religious movement of people and their negotiation of globalized modernity in Asia?</li> </ol> <p>Using ethnographic and archival methods, as well as GIS and digital humanities tools, this project aims to build up a digital archive of documentation and photographs. Pictorial data, information on material cultures, and oral histories will be archived in addition to texts and epigraphy records such as tombstones, ancestral tablets, plaques and couplets.</p>	
37	Project	Polyglot Medical Heritage in Maritime Southeast Asia: Foundational Resources and Digital Tools <b>(AWARDED 2020 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Assistant Professor Michael Stanley-Baker (Principal Investigator, <a href="mailto:msb@ntu.edu.sg">msb@ntu.edu.sg</a> )	History, Nanyang Technological University
		Assistant Professor Faizah binte Zakaria (Co-Investigator)	History, Nanyang Technological University
		Dr Francesco Perono Cacciafoco (Co-Investigator)	Linguistics and Multilingual Studies, Nanyang Technological University
Aim	Medicines circulate across languages, regions and communities, forming cultural bridges and revealing how materials and knowledge circulate. What can the study of medicine teach us about cultural exchange, identity-formation and the transmission of knowledge?		

		<p>This project will build foundational digital tools to enable the cross-cultural study of the history of medicine in maritime Southeast Asia. These consist of a searchable digital text repository and digital drug term synonymy which will help identify and track medicinal products across different languages. Using these tools, we will compare the use of medical materials across three languages: Malay, Chinese and Abui. We will develop a repository of digitized and searchable Malay medical manuscripts, Chinese late imperial medical works and local Peranakan family manuscripts. We will also bring the past into dialogue with the traditions of the present, by hosting oral interviews about the use of medicinal products among Malay, Chinese and Abui speaking communities. This project will also allow scholars to publish further ethnobotanical data, and incorporate it into a comparative framework.</p> <p>The digital synonymy will enable us to correlate terms across the three languages, and bring historical and contemporary texts into correlation, allowing us to study the degree to which traditional medicines – long considered to be culturally and linguistically enclosed – were built from a history of contact, borrowings and adaptation. We refer to these fluid modalities of healing as “polyglot medicine” and tentatively argue that being polyglot is a hallmark of medical traditions among the diverse communities living in maritime Southeast Asia.</p>										
38	Project	Being and Becoming Female in the Malay World: Interrogating and Curating the Photo-Archives of Early Singapore ( <b>AWARDED 2020 – COMPLETED</b> )										
	Research Team	<table border="1"> <thead> <tr> <th>Name</th> <th>Faculty/Institution</th> </tr> </thead> <tbody> <tr> <td>Associate Professor Maznah Mohamad (Principal Investigator, <a href="mailto:mlsmm@nus.edu.sg">mlsmm@nus.edu.sg</a>)</td> <td>Malay Studies, National University of Singapore</td> </tr> <tr> <td>Dr Imran Tajudeen (Co-Investigator)</td> <td>Malay Studies, National University of Singapore</td> </tr> <tr> <td>Dr Suriani Suratman (Co-Investigator)</td> <td>Malay Studies, National University of Singapore</td> </tr> <tr> <td>Dr Bahar Gürsel (Co-Investigator)</td> <td>Isaac Manasseh Visiting Fellow, National University of Singapore and Middle East Technical University</td> </tr> </tbody> </table>	Name	Faculty/Institution	Associate Professor Maznah Mohamad (Principal Investigator, <a href="mailto:mlsmm@nus.edu.sg">mlsmm@nus.edu.sg</a> )	Malay Studies, National University of Singapore	Dr Imran Tajudeen (Co-Investigator)	Malay Studies, National University of Singapore	Dr Suriani Suratman (Co-Investigator)	Malay Studies, National University of Singapore	Dr Bahar Gürsel (Co-Investigator)	Isaac Manasseh Visiting Fellow, National University of Singapore and Middle East Technical University
Name		Faculty/Institution										
Associate Professor Maznah Mohamad (Principal Investigator, <a href="mailto:mlsmm@nus.edu.sg">mlsmm@nus.edu.sg</a> )		Malay Studies, National University of Singapore										
Dr Imran Tajudeen (Co-Investigator)		Malay Studies, National University of Singapore										
Dr Suriani Suratman (Co-Investigator)		Malay Studies, National University of Singapore										
Dr Bahar Gürsel (Co-Investigator)	Isaac Manasseh Visiting Fellow, National University of Singapore and Middle East Technical University											
	Aim	This research seeks to appraise the value and role of pre-digital photographs as heritage. Through the photographic image, we ask questions on what and how do people remember through a still representation of people, place and society? This research intends to scrutinize and interrogate the depiction of gender and its racialization in Singapore through the ‘single frame narrative’ of photographs and postcards. The period of study will be from about 1867 when the Straits Settlements became a crown colony of Britain to the early post-										

		<p>1945 war period. It is postulated here that photographs, even as they capture still images allow for the reading of numerous and dynamic narratives through their hidden texts.</p> <p>There will be several methodological components in this research.</p> <p>The first component investigates the history of photography in Singapore, the politics and culture of photo-taking among those who possessed the knowledge and technology of photography and of the social significance of photo studios in reifying identity through the various postural composition. Archival and secondary sources for data and analysis will be used for this purpose.</p> <p>The second component involves the close and distance readings of selected photographs. For a close reading, the visual image of the photograph will constitute the textual data. For a distance reading, the contexts of the photograph, particularly the date, period and events of the time will be examined.</p> <p>The third component in methodology is the curation of a virtual exhibition. Photographic images will be selected thematically, accompanied with description and narratives. As well as providing data, through a study of audience reaction, the exhibition makes a pedagogical contribution in the revisitation of dominant portrayals of the female in history.</p>						
39	Project	Writing 'Pakistanis' into Singapore's History: Heritage and Identity of a Community <b>(AWARDED 2020 – COMPLETED)</b>						
	Research Team	<table border="1"> <thead> <tr> <th>Name</th> <th>Faculty/Institution</th> </tr> </thead> <tbody> <tr> <td>Associate Professor Sher Banu AL Khan (Principal Investigator, <a href="mailto:mlssbalk@nus.edu.sg">mlssbalk@nus.edu.sg</a>)</td> <td>Malay Studies, National University of Singapore</td> </tr> <tr> <td>Mr Abbas Khan (Co-Investigator)</td> <td>Independent Researcher</td> </tr> </tbody> </table>	Name	Faculty/Institution	Associate Professor Sher Banu AL Khan (Principal Investigator, <a href="mailto:mlssbalk@nus.edu.sg">mlssbalk@nus.edu.sg</a> )	Malay Studies, National University of Singapore	Mr Abbas Khan (Co-Investigator)	Independent Researcher
		Name	Faculty/Institution					
	Associate Professor Sher Banu AL Khan (Principal Investigator, <a href="mailto:mlssbalk@nus.edu.sg">mlssbalk@nus.edu.sg</a> )	Malay Studies, National University of Singapore						
Mr Abbas Khan (Co-Investigator)	Independent Researcher							
Aim	This research fills a gap in our understanding of Singapore's rich and cosmopolitan ethnic heritage and how each community has contributed to Singapore's development. The term "Pakistani" itself needs to be problematized and deconstructed. The "Pakistanis" are a heterogeneous group consisting of Pathans, Hazaris and Punjabis, each with their own language and customary practices. For example, there are Pathans who speak only Pashto, others speak Pashto and Urdu and there are Malayized-Pathans who speak only Malay. This research seeks to examine how these different sub-ethnic groups understand and construct their identity at the personal, community and national level. Sections of the "Pakistani" population in Singapore have inter-married with other Muslim ethnic groups, such as the Malays, Javanese and Indian							

		<p>Muslims, giving rise to an interesting hybrid community of “Pakistani-Peranakans” with a culturally rich heritage. These “Pakistani-Peranakans” form a complex mix of ethnicities that defy the traditional ‘racial’ categories inherited from colonial Britain and recognised in independent Singapore. As such, many “Pakistanis” in Singapore see themselves check-boxed under the ubiquitous ‘Others’ category. The predominance of inter-marriages between “Pakistanis” and other Muslim groups in Singapore for the past hundred years constitutes an important subject of study to further our understanding about social integration and cohesion. This research intends to interrogate the community’s strategies of exclusion and inclusion, the politics of integration and differentiation to discover how they attempt to maintain their own sub-ethnic identity within the “Pakistani” community and within the larger “Pakistani-Peranakans” community in the context of a globalised Singapore.</p>	
40	Project	<p>Fashion Shows and Fashion Media: Identification and Documentation of Singapore Fashion Heritage  <b>(AWARDED 2020 – IN PROGRESS)</b></p>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Dr Jinna Tay (Principal Investigator, <a href="mailto:jinna.tay@nus.edu.sg">jinna.tay@nus.edu.sg</a> )	Communications and New Media, National University of Singapore
		Dr Courtney Fu (Co-Investigator)	Independent Researcher
Aim	<p>This research is part of a longitudinal project that aims to produce conceptual relations between fashion, the city, national cultures and sites of transformation by looking at four key areas of investigation namely: fashion shows, fashion media, departmental stores/retail, dressmaking and beauty schools. The research team will focus on two sites – fashion shows and fashion media from 1950 to 1990s in Singapore – as preliminary studies. We aim to identify and document these two sites of investigation as new domains of Singapore history, having important implications for tangible and intangible cultural heritage, as well as bearing informative value to future policy making with regard to nurturing Singapore into a fashion/creative hub of the region.</p> <p>Research findings in the form of empirical database on Singapore fashion history that comprises textual, visual, video footage, as well as oral history, will significantly expand and enhance the current National Archive collection. An interactive Fashion History Website that presents new knowledge created in a visually compelling manner engages prospective researchers and members of the public. Seminars will also be conducted with student researchers, fashion specialists and general public. Academically, research findings disseminated in the forms of journal articles and seminar fill a critical gap in the historiography of Singapore,</p>		

		supplementing current literature on socio-cultural histories, especially with regards to de-westernizing fashion history, women and industrial developments as well as recuperating local fashion identities. By identifying and documenting physical sites, cultural rituals, and social practices relating to fashion as new domains of study, this research has important implications for both tangible and intangible cultural heritage in Singapore.	
41	Project	Pandemics and Major Epidemics in Singapore, 1819-2021 <b>(AWARDED 2020 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Associate Professor Hsu Li Yang (Principal Investigator, <a href="mailto:mdchly@nus.edu.sg">mdchly@nus.edu.sg</a> ) Dr Loh Kah Seng (Co-investigator)	Saw Swee Hock School of Public Health, National University of Singapore Independent Scholar
	Aim	<p>The history of infectious disease epidemics and pandemics constitutes Singapore's medical heritage. However, how these outbreaks have (or have not) changed society, laws and policies is little researched. As epidemics spread quickly and widely, causing much disruption and mandating robust control measures, the outbreaks provide a lens to understanding wider developments and changes in society. Conversely, it is also critical to examine when and why certain outbreaks failed to precipitate policy and social change, as well as whether these changes have persisted over time.</p> <p>This project aims to demonstrate that epidemics and pandemics in Singapore were not only short-term public health threats, but also major historical events that profoundly shaped policy and society long after they had passed into history. In social terms, a study of outbreaks will deepen our understanding of Singapore's transition from a plural society of immigrants and sojourners during the colonial period to the present-day multicultural society. Historical narratives of disease and response will help us contemplate the likely impact of the COVID-19 crisis and future major epidemics.</p> <p>The project will thus undertake documentary research into a range of historical sources. These include archival sources (e.g. Colonial Office, Ministry of Health and other government material on infectious diseases, outbreaks, quarantine, vaccination), official government publications and studies, newspaper archives and between 25 to 30 oral history interviews.</p>	
42	Project	The development of the microelectronics industry in Singapore, 1968-1990	

		<b>(AWARDED 2020 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Associate Professor Hallam Stevens (Principal Investigator, <a href="mailto:hstevens@ntu.edu.sg">hstevens@ntu.edu.sg</a> )	History, Nanyang Technological University
		Assistant Professor Koh Keng We (Co-Investigator)	History, Nanyang Technological University
	Aim	<p>With much encouragement from the Singapore government, the American company National Semiconductor opened operations in Singapore in 1968. Fairchild Semiconductor, the first firm to design and manufacture integrated circuits, set up a manufacturing plant in Toa Payoh in 1969. These were followed by Texas Instruments and Hewlett-Packard operations in 1970. Seven thousand jobs were created in just three years. By the early 1980s, Singapore had become a major hub for microelectronics and semiconductor manufacturing. These plants led the way in the globalization of microelectronics and ultimately transformed that industry.</p> <p>This project seeks to better understand the effects of the microelectronics industry on Singapore's subsequent development and the role that these Singaporean operations played in the globalization of the microelectronics industry. According to a 2019 <i>Straits Times</i> report, semiconductor and silicon industries comprise about 7 per cent of Singapore's economy. More than sixty semiconductor companies have a base of operations in Singapore and the country boasts 11 per cent of global market share. The size and importance of the microelectronics industry in Singapore now and in the past calls for a more thorough documentation and appreciation of its impact on the nation and its citizens. Microelectronics integrated Singapore's economy more deeply into global flows of technology, capital, and goods and the development of the industry has impacted Singapore's education and training sectors as well as the shape and size of its infrastructure. Microelectronics serves as a critical part of Singapore's image as a "high tech" nation, and is closely associated with a national mythology of spectacular economic growth, rapid modernization, and technological transformation.</p>	
43	Project	Singapore, The Angelbeek Report and the 'Donation' of Empire, 1812-1825 <b>(AWARDED 2020 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Professor Kwa Chong Guan (Principal Investigator, <a href="mailto:iscg@kwa@ntu.edu.sg">iscg@kwa@ntu.edu.sg</a> )	Singapore Heritage Society
		Associate Professor Peter Borschberg (Co-Investigator)	History, National University of Singapore
		Mr Benjamin Khoo Jun Qi (Co-Investigator)	Independent Researcher

	Aim	<p>In 1825, Christiaan van Angelbeek, the Malay translator of the Dutch colonial government, was dispatched to the Straits region with an important mission. He first called on Dr John Crawfurd in Singapore to discuss the implementation of the 1824 Treaty and joint measures to combat piracy. He then went to the court at Riau to inform them that the 1824 Treaty will divide the Johor-Riau Sultanate, assigning Singapore, Johor and Pahang to the British and the Dutch retaining the Riaux. Angelbeek had the delicate task of convincing Sultan Abdul Rahman to formally “donate” Singapore and his territories on the Malay Peninsula to his half-brother Tengku Long or Sultan Hussein Shah.</p> <p>This project aims to research into and bring to light the materials that were related to this mission which has thus far escaped historical attention. By looking into Angelbeek’s executive report to his superiors, his detailed diary which recorded his encounters with the various personages of the kingdom, alongside other archival documents, character sketches, genealogical reports and confidential missives of the Dutch East Indies Government, this research pulls back the veil of two centuries to look into the forgotten half of Singapore’s colonial founding via indigenous and Dutch perspectives. The conduct of this research will bring new insights into the decade-long struggle for power between two half-brothers, develop the historical discourse surrounding the founding of Singapore, and complete the story of colonial ambitions and regional transformation in the nineteenth century.</p>													
44	Project	Town Malays in Colonial Singapore: Urban Histories and Civic Lives Through A Survey of Neighbourhoods, Associations and Public Figures ( <b>AWARDED 2020 – COMPLETED</b> )													
	Research Team	<table border="1"> <thead> <tr> <th data-bbox="456 898 1303 938">Name</th> <th data-bbox="1303 898 2076 938">Faculty/Institution</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 938 1303 1010">Imran Tajudeen (Principal Investigator, <a href="mailto:imran.tajudeen@nus.edu.sg">imran.tajudeen@nus.edu.sg</a>)</td> <td data-bbox="1303 938 2076 1010">Malay Studies, National University of Singapore</td> </tr> <tr> <td data-bbox="456 1010 1303 1050">Suriani Suratman (Co-investigator)</td> <td data-bbox="1303 1010 2076 1050">Malay Studies, National University of Singapore</td> </tr> <tr> <td data-bbox="456 1050 1303 1090">Muhammad Hadi bin Osman</td> <td data-bbox="1303 1050 2076 1090">National University of Singapore</td> </tr> <tr> <td data-bbox="456 1090 1303 1129">Syed Muhammad Hafiz bin Syed Nasir</td> <td data-bbox="1303 1090 2076 1129">National University of Singapore</td> </tr> <tr> <td data-bbox="456 1129 1303 1166">Ahmad bin Osman</td> <td data-bbox="1303 1129 2076 1166">National University of Singapore</td> </tr> </tbody> </table>	Name	Faculty/Institution	Imran Tajudeen (Principal Investigator, <a href="mailto:imran.tajudeen@nus.edu.sg">imran.tajudeen@nus.edu.sg</a> )	Malay Studies, National University of Singapore	Suriani Suratman (Co-investigator)	Malay Studies, National University of Singapore	Muhammad Hadi bin Osman	National University of Singapore	Syed Muhammad Hafiz bin Syed Nasir	National University of Singapore	Ahmad bin Osman	National University of Singapore	
Name	Faculty/Institution														
Imran Tajudeen (Principal Investigator, <a href="mailto:imran.tajudeen@nus.edu.sg">imran.tajudeen@nus.edu.sg</a> )	Malay Studies, National University of Singapore														
Suriani Suratman (Co-investigator)	Malay Studies, National University of Singapore														
Muhammad Hadi bin Osman	National University of Singapore														
Syed Muhammad Hafiz bin Syed Nasir	National University of Singapore														
Ahmad bin Osman	National University of Singapore														
	Aim	<p>This project has two main foci in documenting Malay urban civic life in colonial Singapore. First, the proposed research aims to systematically document the areas in Singapore Town with a historically significant Malay presence, beyond the bounds of the Kampung Gelam conservation district as demarcated today. The three main areas are outlined in the project details attachment, identified based on the preliminary observations from the study of maps conducted in the applicant’s previous NHB HRG project (9.20) as well as the applicant’s own scattered finds. Briefly they are: (1) an expanded area around Kampung Gelam from Bras Basah Road to the area around</p>													



		<p>Kallang Bay; (2) the peri-urban zone encompassing Kampong Kapor to Geylang Road up to Geylang Serai; and finally, the more elusive and dispersed nature of Malay presence in Tanjong Pagar-Bukit Pasoh-Kampung Sambau / 'Malay Town' area through to the better-known Telok Blangah settlements.</p> <p>Second, the study will document the Malay clubs and associations that are known to have existed in colonial-era Singapore, as well as ad-hoc committees that were formed for a myriad of special occasions or one-off events, as comprehensively as the records will allow. The first aspect of the study sets the contexts for this second aim, by situating these organisations and groupings within their urban social and place milieus. This documentation will pay close attention to the venues and sites of their meetings and activities, the events they organized, the collaborations these occasioned, and the names of all known office bearers in cross-comparison with other aspects known about them from events and ad-hoc committees and activities in the colony (such as Our Day Fund committees, Jubilee celebrations and other similar special occasions). This aspect of the study is intended to provide a much-needed expansion to the list of Malays known to have played certain roles in the public life of colonial Singapore.</p>	
45	Project	<p>Asians Becoming 'Architects' in Colonial Singapore: Interrogating the Building Plans of Pre-1926 Singapore  <b>(AWARDED 2021 – COMPLETED)</b></p>	
	Research Team	<p><b>Name</b></p>	<p><b>Faculty/Institution</b></p>
		<p>Samson Lim (Principal Investigator, <a href="mailto:samson_lim@sutd.edu.sg">samson_lim@sutd.edu.sg</a>)</p>	<p>Humanities and Social Sciences Cluster, Singapore University of Technology and Design</p>
		<p>Yeo Kang Shua (Co-investigator)</p>	<p>Architecture and Sustainable Design Cluster, Singapore University of Technology and Design</p>
		<p>Yap Jo Lin</p>	<p>National Archives of Singapore</p>
	Aim	<p>This research seeks to appraise the role of Asians as “architects” of our built heritage in colonial Singapore. Architects here are defined broadly to include civil engineers, surveyors, and even technical assistants – draughtsmen and overseers – who submitted building plans to the Municipal Engineer for approval before the passing of the Architects’ Ordinance in 1926.</p> <p>This history is not widely known, nor is it even acknowledged. There is no known in-depth study of non-European architects in colonial Singapore. The main purpose of this research is to investigate how architectural representations, particularly through building plans, functioned as a site of transformation and as an interlocutor for the development of our built environment. In other words, we are asking, through the analysis of building plans,</p>	

several pertinent questions: Who were these Asians? When were they professionally active? Why and how they became architects? What and where did they build? How have their works reflected the growth of Singapore and its changing identities over the 19th and 20th centuries? How can line drawings on paper serve as a 'visual window' to provide insights into layers of histories and meanings? Along such line of interrogation, this research intends to examine and reconstruct the largely unknown Asian architects and their works in Singapore through their architectural representations on paper. The research takes, as its point of departure, the year 1884 when building plans were submitted and archived, to 1926, when the Architects' Ordinance (Ordinance No.12 of 1926) was passed. It is postulated that building plans as two-dimensional images allow not only for a three-dimensional image of their proposed designs but also allow for numerous narrative readings of the designers' intents.

By investigating this relatively unknown aspect of Singapore's architectural history, this research aims to understand the conceptual relationships between architectural representations, the built environment, and their sites of transformation.

There will be several methodological components in this research. The first component requires the research question to investigate the history of architecture representation in Singapore, the politics and culture among those who possessed the knowledge of creating architectural representation, and of the social significance of photographic images in reifying architecture identity. In doing so, the study will use archival and secondary sources. Data and information on building plans will be studied in the construction of life and identity during Singapore's early modern history (for the period under study) will be sourced as well as through various primary sources as archival papers and documents, magazines and newspapers, and secondary sources in the form of published articles.

The primary component of the research work will involve the selection of building plans produced by Asians in the National Archives of Singapore for analysis. Extensive archival research is the first step toward building an empirical database upon which subsequent analysis will be based. We propose to use the methodology of close and distant readings of the "text" (representation as text). For close reading, the visual representation of the architectural design of the building plan will constitute the "textual" data. Specifications (if any) written on the building plan are also form part of this data. In the case of distance reading, we will examine the contexts of the building plan, particularly the date, period, and events of the time, in addition to who made the building plan, for who it was made, and where it will be constructed. The problematisation of identity will be related to notions of social class, among others.

46	Project	Sree Narayana Mission, the Community and the Underprivileged in the Singapore Story, 1948-Present <b>(AWARDED 2021 – COMPLETED)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Loh Kah Seng (Principal Investigator, <a href="mailto:lkshis@gmail.com">lkshis@gmail.com</a> )	Independent Researcher
		Raghavan Mohanadas (Co-investigator)	Chairman, Sree Narayana Mission Heritage Committee
		S N Chelva Rajah (Co-investigator)	Humanities and Social Studies Education, National Institute of Education, Nanyang Technological University
		Shalini Damodaran (Co-investigator)	Sree Narayana Mission
		Darinee Alagirisamy (Co-investigator)	South Asian Studies, National University of Singapore
	Aim	<p>This research seeks to undertake an investigation of the history of Sree Narayana Mission (SNM), a leading charitable organisation in Singapore established in 1948. It does so with the broader objective of obtaining further insights on a little-studied part of the Singapore Story: the social services provided by community and voluntary associations after the Second World War and especially after independence in 1965, which are foundational periods in Singapore history.</p> <p>The evolution of SNM over the last 70 odd years constitutes an important part of Singapore’s national heritage in providing assistance and welfare to the needy and underprivileged. It highlights the crucial work of community associations in providing social assistance for vulnerable groups of people in post-war and post-independence Singapore, such as the aged, low-income families and people suffering from mental illness. Originally a cultural association for Malayalee immigrants (a minority group in Singapore), SNM’s work has also broadened to include other ethnic groups and communities, becoming multiracial and multicultural in character.</p> <p>We hypothesise that the study of SNM will highlight how voluntary associations charted a path in the post-war history of Singapore to become important voluntary welfare organisations. This offers insights into the transition and development of voluntary associations in an important period of Singapore history, when they fostered new, important relationships with both the state and the community.</p>	

47	Project	Post-Processing of Data from the Bukit Brown Documentation Project within a Geographic Information System Framework ( <b>AWARDED 2021 – IN PROGRESS</b> )	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Hui Yew-Foong (Principal Investigator, <a href="mailto:hui_yew_foong@iseas.edu.sg">hui_yew_foong@iseas.edu.sg</a> )	Regional Social and Cultural Studies Programme, ISEAS Yusof Ishak Institute
		Feng Chen-Chieh (Co-investigator)	Geography, National University of Singapore
	Aim	<p>The proposed project will undertake the post-processing of data collected under the auspices of the Bukit Brown Documentation Project (BBDP) within a Geographic Information System (GIS) framework. The data that will be post-processed are: (i) inscriptions, and the structural and material cultural features of graves; (ii) underground items, such as burial artifacts; and (iii) oral history interviews.</p> <p>For (i) and (ii), post-processing would imply further coding of the data for meaningful analysis. Coding and analysis would follow two major lines of inquiry, namely, the investigation of patterns among graves based on socio-economic status and Chinese sub-ethnic cultural categories. Where socio-economic status is concerned, inscriptions, grave features and underground items can be further coded to determine socio-economic status, and this can be correlated with other attributes of the graves. In terms of Chinese sub-ethnic cultural categories, as most graves would have data related to the sub-ethnic origins of the deceased (i.e. Hokkien, Teochew, Cantonese, Hakka, Hainanese and others), further coding and analysis would allow us to study related cultural patterns. Furthermore, spatial analysis using GIS will help us determine the relationship between socio-economic status/cultural origins and the distribution of graves in the cemetery complex.</p> <p>For the oral history interviews, the recordings (in Hokkien, Mandarin, English and Malay) with cemetery caretakers, former residents of <i>kampongs</i> (villages) and visitors would be transcribed and translated for further coding and content analysis. They would help us unravel the sense of space related to living and working in the vicinity of the cemetery complex, and GIS can help us visualize how these spaces are connected to each other.</p> <p>The significance of this project owes, in large part, to the uniqueness and value of the BBDP dataset. First, it is difficult to find, in any cemetery study, a dataset that comprises of comprehensive documentation of both above-ground grave inscriptions and features and corresponding underground items. Secondly, the design of the documentation process has incorporated the collection of accurate GPS coordinates, including not just latitude and longitude but also elevation, a culturally significant factor in the positioning of Chinese graves, which facilitates the approach in this project of conducting geospatial analysis of the data. Thirdly, the post-processing proposed</p>	

		in this project propels the study beyond epigraphic analysis to provide sociological and cultural analyses of a deathscape, thus furnishing us with a more holistic understanding of the heritage value of the Bukit Brown cemetery complex.	
48	Project	<b>Borrowed Roots: Negotiating Identity and Ethnicity by Transracial Adoptees in Singapore, 1950s-1980s (AWARDED 2022 – IN PROGRESS)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Ho Chi Tim (Principal investigator, <a href="mailto:ctho@suss.edu.sg">ctho@suss.edu.sg</a> )	Lecturer, Singapore University of Social Sciences
		Grace Chee (Co-investigator)	Senior Lecturer, Singapore University of Social Sciences
		G Kaveri (Co-investigator)	Lecturer, Singapore University of Social Sciences
		Lye Kit Ying (Co-investigator)	Senior Lecturer, Singapore University of Social Sciences
		Kathryn Muyskens (Co-investigator)	Lecturer, Yale-NUS College
		Shahril Salleh (Co-investigator)	Independent scholar / artistic director (Vox Camareta)
	Aim	<p>Borrowed Roots studies the origins, development and impact of transracial adoption as it evolved in Singapore. The project asks the following questions: How did transracial adoptees navigate, negotiate, and perhaps even adjust conventional ethnic “norms” and cultural “boundaries” in Singapore? How did the moment of discovering the adoption status affect prior presumptions of ethnic and associated cultural practices? What were the conditions, such as the social beliefs and practices of each community towards children and family and the colonial situation, which allowed for transracial adoptions? Where does the history of transracial adoptions fit in the broader social history of Singapore? The adoptees’ life stories will illuminate aspects of Singapore’s ethnic and colonial heritage, in the process enriching the country’s social history. We are also interested in how these individuals made and have continue to make sense of their complex positions within various social situations, such as family, community and nation, i.e. between what they were born into, what they grew up knowing, and how they managed postdiscovery.</p> <p>Their responses and actions illuminate and explicate the nodes and products of formal and non-formal social systems</p>	

		that fostered (and continue to foster) individuals situated in a liminal ethno-cultural space. These individuals are understated heritage markers in a social mapping of adoption practices and policy, the production of identity and ethnicity, and of culture as knowledge. Our interdisciplinary approach will help expand the Singapore Story and the continued formation of the Singaporean identity, via social and philosophical commentaries, policy suggestions and storytelling devices.	
49	Project	Mapping Middle Road: Pre-war Japanese Community in Singapore <b>(AWARDED 2022 – IN PROGRESS)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Naoko Shimazu (Principal investigator, <a href="mailto:arishn@nus.edu.sg">arishn@nus.edu.sg</a> )	Professor, National University of Singapore
		Lee Chee Keng (Co-investigator)	Part-time Lecturer, National University of Singapore
	Clay Eaton (Co-investigator)	Lecturer, National University of Singapore	
Aim	<p>“Mapping Middle Road” is a social history project which attempts to reconstruct the pre-war Japanese community in Singapore. The history of the Japanese community in Singapore remains relatively unknown apart from the period of wartime Japanese occupation. This presents an apparent gap in Singapore’s historical landscape, as the pre-war Japanese community played an important role in enriching the identity of Singapore as a cosmopolitan port city. The Japanese occupied a fraught position in pre-war colonial society, as subjects of an imperial power but also as fellow Asians in an overwhelmingly Asian urban population. Some Japanese ascended to the highest levels of colonial society, while others inhabited some of the most marginalized positions in that same society. Some settled in Singapore whilst others counted as more typical sojourners. An investigation of this community can help us to better understand the relationship between colonizer and colonized, between rich and poor, and between Asians and non-Asians in pre-war Singapore.</p> <p>We ask the following research questions: why did Middle Road become the locus of “Little Japan”? Who were the Japanese people who came to work and live in the “Little Japan”? Why was Singapore important to the Japanese? How integrated was the Japanese community, and how did the Japanese position themselves in the cosmopolitan culture of the port city?</p>		
50	Project	The ‘Other’ Garden City: Documenting Singapore’s Edible Gardening Heritage	

	<b>(AWARDED 2022 – IN PROGRESS)</b>	
Research Team	<b>Name</b>	<b>Faculty/Institution</b>
	Fiona Clare Williamson (Principal Investigator, <a href="mailto:fwilliamson@smu.edu.sg">fwilliamson@smu.edu.sg</a> )	Associate Professor, Singapore Management University
	Marvin Montefrio (Co-investigator)	Assistant Professor, Yale-NUS College
	Justin Tse (Co-investigator)	Assistant Professor, Singapore Management University
	Mark Wong (Co-investigator)	Senior Specialist (Oral History), National Archives of Singapore
	Goh Ngee Chae Joshua (Co-investigator)	Research Assistant, Singapore Management University
Aim	<p>Modern Singapore is internationally renowned as a ‘Garden City’. Firmly entrenched in the official narrative as a linchpin of its national and global identities, the imagery of a verdant city-state serves as a reflection of Singapore’s economic prosperity along with the success of its governance model. Though largely attributable to the state-led greening campaign initiated in 1967 by Lee Kuan Yew, public parks, formal gardens, and roadside trees do not constitute the entirety of Singapore’s rich gardening heritage as a ‘Garden City’. Indeed, according to a survey conducted by the National Parks Board, approximately one in two respondents cultivate plants at home. Found in a wide range of residential and public settings, edible vernacular gardens are tightly interwoven into the fabric of everyday life as stylistically informal small-scale green spaces, cultivated by individuals and communities.</p> <p>Spanning approximately two hundred years of Singapore’s modern history, this study will draw upon a wide array of textual and non-textual historical and contemporary sources to document gardening in Singapore from the 19<sup>th</sup> century to the present day. It will identify the ways in which historical gardening practices in Singapore have been continued, reinforced, and transformed into the contemporary period through building a body of new research and knowledge. In doing so, our proposed study will reflect an increased focus on ICH as part of the Our SG Heritage Plan and catalyze the writing of a new environmental history of Singapore, one which places ordinary people and practices in the foreground.</p>	
51	Project A Grassroots and Transnational History of Singapore’s Chinese Language Reforms <b>(AWARDED 2022 – IN PROGRESS)</b>	
	<b>Name</b>	<b>Faculty/Institution</b>



	Research Team	Luke Lu (Principal investigator, <a href="mailto:lujiqun@ntu.edu.sg">lujiqun@ntu.edu.sg</a> )	Assistant Professor, Nanyang Technological University
		Kung Chien Wen (Co-investigator)	Assistant Professor, National University of Singapore
	Aim	<p>The history of Chinese language development in Singapore reflects the hopes and aspirations of its users, and is intertwined with political and cultural struggles over identity. However, existing literature has mostly focused on the implementation and effects of state policies, paying particular attention to how local processes contributed to these policies. We know less about how non-state actors, especially those involved in the production and learning of cultural knowledge such as journalists, teachers, and students negotiated, aligned themselves with, or contested overarching policies. Consequently, this project engages in a genealogical recovery of Mandarinization, character simplification, and hanyu pinyin as grassroots and transnational phenomena. The period of focus will be from the 1960s to 1990s during which these policies were introduced. Instead of treating these policies as imposed by a seemingly monolithic Anglophone state onto society, as prevalent narratives do, we focus on how policymakers and ordinary Singaporeans both participated in their creation and responded to them. Our study also situates these debates and reactions surrounding Chinese language reforms in Singapore within broader intellectual, cultural, and political currents in the Chinese-speaking world, especially China and Taiwan. The study aims to conserve and transmit historical accounts of Chinese language development and reform in Singapore, and the tensions therein, by both policymakers and ordinary Singaporeans. This is to be achieved through the collection and organisation of oral interviews and relevant historical documents, and the publication of both academic papers and a bilingual interactive website documenting these accounts and artifacts.</p>	
52	Project	Socio-Cultural Heritage of Jurong Island and its Former Offshore Islands: Generating Community Heritage 'from Below' ( <b>AWARDED 2022 – IN PROGRESS</b> )	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Dr. Hamzah Bin Muzaini (Principal investigator, <a href="mailto:seahm@nus.edu.sg">seahm@nus.edu.sg</a> ; <a href="mailto:hamzahmuzaini@mycommunity.org.sg">hamzahmuzaini@mycommunity.org.sg</a> )	Researcher, My Community Limited
		Muhammad Hadi Bin Osni (Co-investigator)	Community Researcher, My Community Limited
	Aim	This project focuses on a lesser-known part of the Western Islands group – present-day Jurong Island. Jurong Island was formed over the past 50 years through the drastic transformations and amalgamation of various small	

		<p>offshore islands. In the past, some of these offshore islands were home to Singapore’s Malay indigenous (Orang Laut and Orang Pulau) and other communities who have lived there for generations.</p> <p>In the light of the extensive transformations Jurong Island has experienced over the years and the scarcity of historical sources, this project will engage former islanders in creating mental maps of the now reclaimed islands in conjunction with traditional research approaches (e.g. archival work, oral interviews) to trace the anecdotal histories of the affected offshore islands and better understand the relationships between places and the communities who used to live there. Additionally, combining these mental maps with GIS, we seek to collectively arrange an array of mappable information based on the socio-cultural contexts of the formerly inhabited settlements as well as create a more comprehensive reconstruction of lost landscapes or areas in Singapore that have been destroyed or changed over time.</p> <p>The objectives of this proposed research project are to first systematically document the individual offshore islands that now make up Jurong Island, as well as the lives and livelihoods of their former inhabitants so as to acknowledge the historically significant presence of Malay, indigenous and other communities in situ. Second, the research will trace the development and transformation of Jurong Island and what this meant for the traditional landscapes and former users and inhabitants of the islands. Finally, it will utilise findings to promote the unique history and heritage of Jurong Island to Singaporeans and inform future development projects of Singapore’s offshore islands.</p>	
53	Project	Reconstructing and Rediscovering Kampong Heritage through Local Chinese Temples <b>(AWARDED 2022 – IN PROGRESS)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Wu Qi (Principal investigator, <a href="mailto:wuqi@nus.edu.sg">wuqi@nus.edu.sg</a> )	Asian Research Institute, National University of Singapore
		Kenneth Dean (Co-investigator)	Asian Research Institute, National University of Singapore
		Lin Ruo (Co-investigator)	Chinese Study Department, National University of Singapore

		Hong Xincheng (Co-investigator)	Chinese Study Department, National University of Singapore
	Aim	<p>Temples held a special significance for the Chinese community in the past. Temples were usually the heart of the kampong, where they played diverse and vital social roles. This project explores the history of Kampongs through in-depth investigations of Singapore Chinese Temples. It will explore how the study of surviving Chinese temples that had their origins in the kampong can evoke a broader history of kampongs. This project reconstructs Kampong heritage through locating and documenting the evolution of this set of Chinese Temples in Singapore.</p> <p>This project does not approach kampong history from a top-down macro-national discourse, nor from individual scattered memories and emotional nostalgia. Instead, it selects the Chinese temples which played central roles in Kampongs as a site from which to approach Kampong life and history and to rediscover kampongs as essential players in the development of Singapore's economy from the ground up.</p> <p>The proposed project attempts to cut through both nostalgic discourse and its debunking (Chua, 2015) to rethink and reinterpret kampongs as essential players in Singapore's economic development. In addition, inter-ethnic, inter-cultural, and inter-religious interactions can also be discovered in kampongs and temples. The diversity of kampong culture and the mingling of different races will be uncovered in this study.</p>	
54	Project	Small Businesses and Shops of Chinatown, 1819-1980s <b>(AWARDED 2023 – IN PROGRESS)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Seng Guo Quan (Principal Investigator, <a href="mailto:hissqg@nus.edu.sg">hissqg@nus.edu.sg</a> )	History, Faculty of Arts and Social Sciences, National University of Singapore
		Loh Kah Seng (Co-investigator)	Independent researcher
		Stephen Dobbs (Co-investigator)	Asian Studies/Social Sciences, The University of Western Australia
		Lynn Wong Yuqing (Co-investigator)	Independent researcher
		Jeremy Goh (Co-investigator)	Research Associate, Nanyang Centre for Public Administration, Nanyang Technological University
	Aim	This project investigates the social history of small-medium businesses and shops of Chinatown from the founding of the trading post at the Singapore River in 1819 to the post-urban renewal period in the 1980s. This	

		<p>is an understudied field, with most research focused on big business and well-known business pioneers. The project starts with the premise that small-medium businesses and shops were vital to Chinatown’s economy and community life. Though modest, these enterprises were the pillars of Singapore’s entrepôt trade with the outside world, as well as the mainstay of the local economy and informal sector. They enable us to further chart the social milieu of colonial Singapore and deepen our understanding of the lives of the Chinese urban working class.</p> <p>By framing “Chinatown” as a local and regional contact zone, we aim to reconstruct a history of how small and medium businesses enabled the circulation, consumption and production of commodities and services within Singapore, and across the region and the wider world. We organise our research along three major themes: flows, boundaries and renewal. The project reconstructs the flows of specific commodities (textiles, rubber) and money (remittances and commercial credit) through transregional Chinese networks centred around the hub of Singapore. By defining “Chinatown” as a multicultural site, we analyse the overlapping ethnic and sub-ethnic boundaries of loyalties built around trade guilds and inter-ethnic trade relations. Finally, by tracing entrepreneurial developments historically, we trace how older businesses yielded to the new across time and space.</p>								
55	Project	Green Heritage: Conserving Urban Greening as Singapore's National Heritage <b>(AWARDED 2023 – IN PROGRESS)</b>								
	Research Team	<table border="1"> <thead> <tr> <th>Name</th> <th>Faculty/Institution</th> </tr> </thead> <tbody> <tr> <td>Maxime Cedric Decaudin (Principal Investigator, <a href="mailto:maxime@nus.edu.sg">maxime@nus.edu.sg</a> )</td> <td>Department of Architecture, National University of Singapore</td> </tr> <tr> <td>YEE Marcus (Co-investigator)</td> <td>Department of History, Yale University</td> </tr> <tr> <td>TAN Chun Liang (Co-investigator)</td> <td>Department of Architecture, National University of Singapore</td> </tr> </tbody> </table>	Name	Faculty/Institution	Maxime Cedric Decaudin (Principal Investigator, <a href="mailto:maxime@nus.edu.sg">maxime@nus.edu.sg</a> )	Department of Architecture, National University of Singapore	YEE Marcus (Co-investigator)	Department of History, Yale University	TAN Chun Liang (Co-investigator)	Department of Architecture, National University of Singapore
Name	Faculty/Institution									
Maxime Cedric Decaudin (Principal Investigator, <a href="mailto:maxime@nus.edu.sg">maxime@nus.edu.sg</a> )	Department of Architecture, National University of Singapore									
YEE Marcus (Co-investigator)	Department of History, Yale University									
TAN Chun Liang (Co-investigator)	Department of Architecture, National University of Singapore									
	Aim	The listing of the Padang National Monument as a potential World Heritage Site has prompted a reconsideration of the heritage significance of urban green spaces in Singapore. While urban greening has played a significant role in the construction of Singapore, it is not yet recognized and conserved as an integral part of its national heritage. This project aims to bridge the gap between natural and cultural approaches to urban greening by reframing existing historiographies and creating new knowledge within an ecological paradigm of heritage. Green heritage is understood as both tangible and specific green open spaces and intangible social practices and socio-cultural meanings associated with planting and green spaces, especially lawns.								

		<p>Involving an interdisciplinary team of researchers from various institutions with expertise in environmental history, landscape architecture, and urban greening technology, this research project will yield three types of deliverables: a report, a survey, and an in-depth study. The historical analysis and survey will contribute to a better understanding of the cultural significance of green heritage, enhancing narratives of national history and positively affecting future urban projects. The documentation of sites with potential green heritage value will complement existing research on Singapore's cultural landscapes and Historic Urban Landscape, adding urban greenery and planting as an additional layer of cultural heritage and ecological meaning.</p> <p>In the long run, an in-depth and multidisciplinary analysis of Singapore's unique green heritage opens future research and conservation opportunities that embrace both its natural and cultural values while foregrounding its significance within the global context.</p>												
56	Project	Designing Heritage: A collaboration platform to explore and analyse Singapore's pottery trade and traditional kiln building methods ( <b>AWARDED 2023 – IN PROGRESS</b> )												
	Research Team	<table border="1"> <thead> <tr> <th>Name</th> <th>Faculty/Institution</th> </tr> </thead> <tbody> <tr> <td>Yeo Puay Hwa Jesvin (Principal Investigator, <a href="mailto:jesvinyeo@ntu.edu.sg">jesvinyeo@ntu.edu.sg</a>)</td> <td>School of Art, Design and Media, Nanyang Technological University</td> </tr> <tr> <td>Heng Chye Kiang (Co-investigator)</td> <td>Department of Architecture, College of Design and Engineering, National University of Singapore</td> </tr> <tr> <td>Ng Boon Yew Alvin (Co-investigator)</td> <td>Focus Ceramic Services</td> </tr> <tr> <td>Christoph Hahnheiser (Co-investigator)</td> <td>School of Art, Design and Media, Nanyang Technological University</td> </tr> <tr> <td>Alvin Chua Sern Hao (Co-investigator)</td> <td>History, School of Humanities, Nanyang Technological University</td> </tr> </tbody> </table>	Name	Faculty/Institution	Yeo Puay Hwa Jesvin (Principal Investigator, <a href="mailto:jesvinyeo@ntu.edu.sg">jesvinyeo@ntu.edu.sg</a> )	School of Art, Design and Media, Nanyang Technological University	Heng Chye Kiang (Co-investigator)	Department of Architecture, College of Design and Engineering, National University of Singapore	Ng Boon Yew Alvin (Co-investigator)	Focus Ceramic Services	Christoph Hahnheiser (Co-investigator)	School of Art, Design and Media, Nanyang Technological University	Alvin Chua Sern Hao (Co-investigator)	History, School of Humanities, Nanyang Technological University
Name	Faculty/Institution													
Yeo Puay Hwa Jesvin (Principal Investigator, <a href="mailto:jesvinyeo@ntu.edu.sg">jesvinyeo@ntu.edu.sg</a> )	School of Art, Design and Media, Nanyang Technological University													
Heng Chye Kiang (Co-investigator)	Department of Architecture, College of Design and Engineering, National University of Singapore													
Ng Boon Yew Alvin (Co-investigator)	Focus Ceramic Services													
Christoph Hahnheiser (Co-investigator)	School of Art, Design and Media, Nanyang Technological University													
Alvin Chua Sern Hao (Co-investigator)	History, School of Humanities, Nanyang Technological University													
	Aim	<p>This research project aims to fill a significant gap in the existing knowledge about the pottery trade in Singapore. While past research has extensively explored chronological ceramics and kilns in Southeast Asia, limited attention has been given to the pottery trade, specifically in Singapore. Singapore has a rich history and heritage of pottery craftsmanship and trade. Historically, locally made pottery has been integral to various aspects of business and everyday life in Singapore, ranging from bricks to latex cups, bowls, mugs, and flower pots. In addition, our eminent local ceramist Iskandar Jalil plays a pivotal role in producing exceptional everyday tableware, albeit often receiving the greatest attention at exhibitions.</p>												

		<p>This project will create a collaborative platform bringing together cultural researchers, architects, archaeologists, ceramic artists and kiln masters to investigate and promote the local pottery trade and heritage to the broader public. The primary objective is to document the history and development of the pottery trade in Singapore, including the construction of a small-scale Fengxi Kiln. Additionally, the project aims to conduct a comparative analysis to interpret the building value (scientific value, artistic value, social value, and use/economic value) of traditional kilns in Singapore and Malaysia.</p>	
57	Project	<p>Decoding Vernacular Architecture by Guiding Human Intuition with Deep Learning: A Study of Singapore Shophouse Façade in Chinatown <b>(AWARDED 2023 – IN PROGRESS)</b></p>	
	Research Team	<p><b>Name</b></p>	<p><b>Faculty/Institution</b></p>
		<p>Heng Chye Kiang (Principal Investigator, <a href="mailto:akihck@nus.edu.sg">akihck@nus.edu.sg</a>)</p>	<p>Department of Architecture, College of Design and Engineering, National University of Singapore</p>
		<p>Li Jiali (Co-investigator)</p>	<p>Department of Chemistry, National University of Singapore</p>
		<p>Chang Tou Chuang (Co-investigator)</p>	<p>Department of Geography, National University of Singapore</p>
	Aim	<p>This study has its primary aim to propel the AI-augmented architectural research paradigm. Despite the fact that the rapid development of digital image processing and computer vision have facilitated the integration of machine learning into architectural studies and practices, these studies predominantly stay at the automation phase and heavily rely on pre-set expert knowledge..</p> <p>We focus on vernacular architecture with the objective of formulating a knowledge discovery framework, designed to enhance human intuition via deep learning. Not only would it enhance the study efficiency (i.e., automation), but also shed light on important architectural insights (i.e., intelligence).</p> <p>The Singapore shophouse, a quintessential urban vernacular architecture, has been selected as the subject of our scholarly investigation. It is expected that the proposed knowledge discovery framework of vernacular architecture can guide human intuition with deep learning in formal analysis of Singapore shophouse façade. The study aims to 1) formulate a spectrum between the types and variants of Singapore shophouse facades as correction to the current ‘six styles’ proposed by URA; 2) shed light on the symbolic meanings embodied in these architectural elements of Singapore shophouses.</p>	

58	Project	Solar Energizing Heritage: Development and Evaluation of Building-Integrated PV (BIPV) Systems in Singaporean Peranakan Shophouses ( <b>AWARDED 2023 – IN PROGRESS</b> )	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Chen Tianyi (Principal Investigator, <a href="mailto:tianyi@nus.edu.sg">tianyi@nus.edu.sg</a> )	Solar Energy Research Institute of Singapore, National University of Singapore
		Yvonne S.Z. Tan (Co-investigator)	NUS Museum, National University of Singapore
		Carlos Enrico Clement (Co-investigator)	Solar Energy Research Institute of Singapore, National University of Singapore
		Saw Min Hsian (Co-investigator)	Solar Energy Research Institute of Singapore, National University of Singapore
		Leow Shin Woei (Co-investigator)	Solar Energy Research Institute of Singapore, National University of Singapore
Aim	<p>This project addresses the integration of Building-Integrated Photovoltaics (BIPV) in the iconic Peranakan shophouses of Singapore, a significant element of the nation's cultural and architectural heritage. These historical structures, known for their unique architectural features and cultural significance, must balance maintaining their heritage value with modern energy demands and sustainability goals. The project aims to develop and evaluate BIPV systems specifically designed for these heritage buildings, ensuring that their integration respects and preserves their historical aesthetics and structural integrity. It involves a multidisciplinary team of heritage experts, architects, solar technology specialists, and local communities, focusing on feasibility studies, design optimization, and the development of guidelines for BIPV integration in heritage buildings. Serving as a model for other heritage sites worldwide, this initiative demonstrates how historical preservation can coexist with cutting-edge sustainable technology. By bridging the gap between heritage conservation and modern sustainability practices, this initiative not only sets a precedent for future heritage conservation projects but also promotes a harmonious balance between preserving our past and embracing a sustainable future.</p>		
59	Project	Business Networks in a Global City: Chinese Merchants' Records in Singapore since the Late 19 <sup>th</sup> Century ( <b>AWARDED 2023 – IN PROGRESS</b> )	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Yu kang (Principal Investigator, <a href="mailto:yu.kang@nus.edu.sg">yu.kang@nus.edu.sg</a> )	Asia Research Institute, National University of Singapore



		Koh Khee Heong (Co-investigator)	Department of Chinese Studies, National University of Singapore
		Lee Chyen Yee (Co-investigator)	School of Business, Singapore University of Social Science
	Aim	<p>This project aims to create academic and public awareness of the cultural and heritage value of Singapore businesses since the late 19<sup>th</sup> century. These businesses had wide ranging networks and trade across Southeast Asia. Based on newly discovered records of Chinese businesses since the late 1800s, we found that their relationship networks went far beyond simple emotional bonds to generate complex organisational structures interweaving various aspects of society. This project builds on previous academic discussions on civilisational technology to study what we term “networking technologies” that developed within Singapore’s Chinese business community and society. As such, our project aims to answer several key questions to plug what is lacking in current literature: What networking technologies did Chinese businessmen use when constructing their business networks? How did these networking technologies and commercial networks subsequently shape Singapore’s society?</p> <p>Based on the collaboration of researchers from different disciplines including history and economics, this project will focus on the collection, collation, and publication of the documents of local merchants from traditional businesses in Singapore that are on the verge of disappearing. We propose to conduct an analysis of business networking technology from four distinct perspectives: business organisations, bookkeeping systems, family relationships, and community operations. Besides presenting our findings in the form of papers and reports, we also plan to develop a comprehensive database that maps the interplay between shops and associations to illustrate the impact of such networks on Singapore’s society.</p>	
60	Project	Preserving Intangible Cultural Heritage in the Digital Age: Baba Malay Language Revival with AI <b>(AWARDED 2024 – IN PROGRESS)</b>	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Zhang Huiyu (Principal Investigator, zhang_huiyu@tp.edu.sg)	School of Informatics & IT, Temasek Polytechnic
		Lee Huiying Nala (Co-investigator, nala.lee@nus.edu.sg)	Faculty of Arts & Social Sciences, NUS

		Josephine Tan (Co-investigator, <a href="mailto:josephine_tan@tp.edu.sg">josephine_tan@tp.edu.sg</a> )	School of Informatics & IT, Temasek Polytechnic
		Andrew Chong (Co-investigator, <a href="mailto:andrew_chong@tp.edu.sg">andrew_chong@tp.edu.sg</a> )	School of Informatics & IT, Temasek Polytechnic
		Kenneth Y. K. Chan (Co-investigator, <a href="mailto:kennethykchan@gmail.com">kennethykchan@gmail.com</a> )	Independent Writer
		Andy Gwee (Co-investigator, <a href="mailto:andy.gwee@erci.edu.sg">andy.gwee@erci.edu.sg</a> )	Independent Heritage Researcher
	Aim	This project aims to preserve the endangered Baba Malay language, spoken by the Peranakan community in Singapore, through the innovative use of Artificial Intelligence (AI). Leveraging AI, particularly AI-powered chatbots, offers a promising avenue for language revitalization by providing interactive, rapid feedback, and conversational practice. The proposed solution involves developing an AI ecosystem that includes a Baba Malay contextualized large language model (LLM), a chatbot 'ChakapBot' as a learning assistant, and a data analytics component to analyze chatbot interactions and provide insights into language learning patterns. The research will study how participants engage with various gamification and social learning elements brought about through the AI chatbot, addressing the roles of AI in preserving the Baba Malay language. Additionally, the project evaluates the effectiveness of AI chatbots in language acquisition and explores the challenges and opportunities of using generative AI for endangered languages. By validating AI's potential in supporting language learning, the project aims to provide valuable insights and a sustainable, community-driven approach to cultural heritage preservation.	
61	Project	Establishing Heat Health History and Heritage: Practices and Beliefs among Singapore's Military and Ethnic Chinese Citizenry ( <b>AWARDED 2024 – IN PROGRESS</b> )	
	Research Team	<b>Name</b>	<b>Faculty/Institution</b>
		Sim Dao Wei Joshua (Principal Investigator, <a href="mailto:jdwsim@nus.edu.sg">jdwsim@nus.edu.sg</a> )	Human Potential Translational Research Programme, Yong Loo Lin School of Medicine, NUS
		Lee Kai Wei Jason (Co-investigator, <a href="mailto:phsilkw@nus.edu.sg">phsilkw@nus.edu.sg</a> )	Human Potential Translational Research Programme, Yong Loo Lin School of Medicine, NUS
	Aim	Climate change and the intensification of urban heat in Singapore have precipitated urgent concerns about the effects of heat on human health (in short, 'heat health'). Despite the recent attention, little work has been done	

		<p>to develop a historical understanding of heat health in Singapore. Not much is known about the array of heat management practices and beliefs which have been used by the island's residents to cope and thrive under heat. Our project seeks to uncover some of these practices and beliefs, and to assess their viability of becoming part of Singapore's intangible cultural heritage, or what we call 'heat health heritage'. The project draws on a combination of archival, oral history and ethnographic approaches to establish a working historical narrative of heat health from pre-independent Singapore (1950s) to the present day. Singapore's military and ethnic Chinese communities will be investigated as case studies. We will examine the ways their heat management practices and beliefs have been understood, contested and circulated. For the former, we will enquire how ground Singapore Armed Forces personnel and commanders experienced exertional heat stress and responded to the Forces' heat health directives. In the latter group, we will examine the hot-cold notions deriving from biomedical and Chinese medicine worldviews to highlight the heat management practices and beliefs of Singapore's ethnic Chinese citizens. For both cases, we will identify a range of practices and beliefs which can be preserved as heat health heritage and highlighted as part of efforts to build ground-up national heat resilience.</p>	
62	Project	<p>Natural ventilation in heritage buildings in the tropics: A showcase in Singapore using Baba House  <b>(AWARDED 2024 – IN PROGRESS)</b></p>	
	Research Team	<p><b>Name</b></p> <p>Chew Lup Wai          (Principal Investigator, lupwai@nus.edu.sg)</p> <p>Yvonne Su Zen Tan          (Co-investigator, ytan@nus.edu.sg)</p>	<p><b>Faculty/Institution</b></p> <p>Department of the Built Environment, NUS</p> <p>Adjunct Curator in Architectural Heritage and Conservation, NUS Museum, NUS</p>
	Aim	<p>This research focuses on energy efficiency in heritage buildings, using Baba House as a case study. In tropical climates like Singapore, heritage buildings often depend heavily on air conditioning, making them energy inefficient. As NUS Baba House prepares for additions &amp; alterations (A&amp;A) conservation works, a rare opportunity arises to gather comprehensive data—before, during, and after conservation works. This research aims to implement recommended mitigation strategies, optimizing natural ventilation for passive cooling in the tropical environment, contributing to the sustainable conservation of heritage buildings. The research addresses the gap in sustainable heritage conservation to align with Singapore's sustainability goals. Additionally, it positions Baba House as an educational resource, demonstrating the balance between heritage conservation and sustainability. The research methodology integrates advanced computational techniques, sensor deployment, and data analysis. Preliminary Computational Fluid Dynamics (CFD) simulations will be used to identify optimal sensor locations for data collection. Sensors will be deployed for long-term data collection, and the measurement data</p>	

		<p>will be used for CFD model validation and in-depth data analysis to identify areas with low thermal comfort. Mitigation strategies will be proposed and evaluated with CFD simulations. The research will deliver a validated CFD model of Baba House, an indoor environment dataset integrated from the network of sensors, and a design guideline for natural ventilation.</p>
--	--	---