

## EXPLORING WAYS TO OPTIMISE LAND USE AND ENHANCE CAMPUS EXPERIENCES

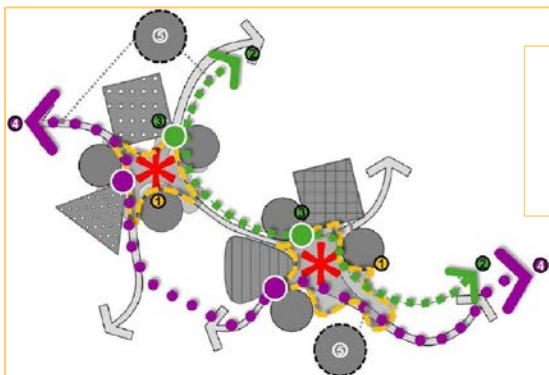
As part of the nation's objective to relook the country's land use resources, NUS embarked on a master plan study to explore ways to intensify NUS' current land use. Extrapolating plans to 2055, the study conceptualised strategies that focus not only on optimising land use, but also touch on other areas such as accessibility and place-making. The master plan envisions NUS as a campus where both students and staff can feel a sense of comfort, convenience and place. Some preliminary concepts include an all-weather connectivity framework, a tunnel connecting the north-south regions of the campus, and an integrated master plan of three hubs, 12 places, and one connected campus.

### The Greenway - One Connective Loop

The Greenway is a conceptual connective loop which aims to provide a sustainable and alternative way to connect the entire campus. Designed as an intuitive and all-weather pathway for cyclists, Personal Mobility Device (PMD) riders and pedestrians, it envisions the community moving easily from one place to another along major commuting paths. This environmentally-friendly pathway will also help to reduce the reliance on buses and vehicles across campus.

### Through-Ridge Cycling/Pedestrian Tunnel

In addition to the Greenway, the proposed Through-Ridge Cycling/Pedestrian tunnel aims to connect the north and south regions of the campus, allowing a faster commute between major faculties such as the Yong Loo Lin School of Medicine and NUS Business School.



Network of covered linkways /walkways for pedestrian; cycling/personal mobility devices and internal shuttle bus system connecting the campus towards a car-lite & pedestrian friendly environment.



Proposed Greenway conceptual plan

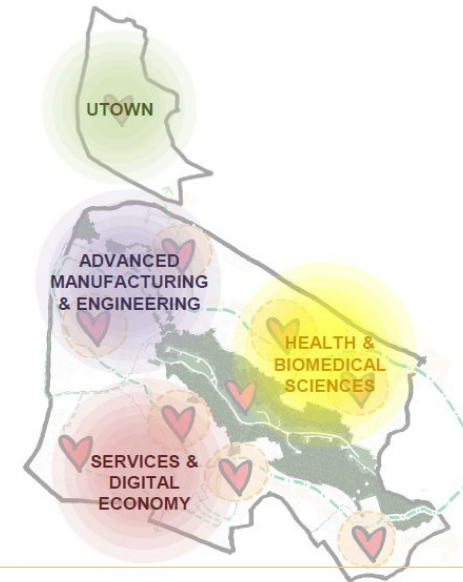
## An Integrated Campus Master Plan of 3 Hubs and 12 Places

One of the land intensification strategies is to re-imagine Kent Ridge Campus as an integrated campus comprising 12 places located within three distinct hubs – Advance Manufacturing & Engineering Hub, Health & Biomedical Sciences Hub, as well as the Services & Digital Economy Hub.

The “12 places” concept is a place-making strategy where these places are created with unique identities and characters, encouraging and fostering interaction and collaboration amongst the community. These 12 created places also aim to allow individuals feel a sense of place as they work, live and discover in them. The places will be supported with amenities and facilities that serve the needs of the community and are connected via the proposed Greenway.

Campus liveability is further enhanced through a carefully designed system of landscape, civic and pedestrian spaces for people of all ages and mobilities to activate the street level.

An inclusive place-making concept helps build community bonds, and the association of such bonds to the University, encouraging students from different faculties to linger and interact.



Concept of an integrated Kent Ridge Campus comprising 12 precincts and three hubs