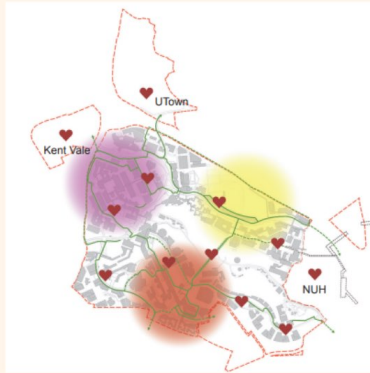


### 3 Hubs 12 places

In the effort to breathe new life into the NUS campus, a multi-faceted approach has been adopted that focuses on optimising land use and employing placemaking principles. This approach aims to enhance connectivity, foster a strong sense of community, and revitalise the campus with renewed purpose and vibrancy.



#### ① Establish a Sense of Place

Kent Ridge campus is re-imagined as a campus of 12 Places housing the 3 aforementioned core programs of the University. Each of the 12 Places are implementable, liveable, and has a social heart of distinct identity and character, to build thematic based multi-disciplinary environments to synergise education, research and enterprise. Each Place is designed to be within a 10-minute walking distance around the social hearts of the proposed Place in order to improve interaction and encourage collaborative synergy. This is to create conducive environments for students to work, live and play, while creating identifiable landmarks within the campus that students can relate to.

#### ② Integrated Campus Ecosystem

Inter-disciplinary synergy is further improved by integrating programs, sharing amenities, and stacking programs which reduces proximity and brings different interest groups together. Improving upon the UTown model of research-industry co-location, the master plan proposes the concept of mix-used developments on campus that groups together industry, academia and social amenities in a unified campus.

#### ④ Improve Campus Livability

Campus liveability is further enhanced through a carefully designed system of landscape and civic spaces for people of all ages and mobilities to activate the street level. Outline recommendations to improve the existing Yellow Ceiling network for better campus wayfinding and guidelines for improving thermal comfort and mitigating urban heat island effects are also considered in the planning

#### ③ Create a Social Campus

Apart from adopting a residential college model, greater GFA quantum allocated for student amenities, and collaborative and social programs that the University is actively pursuing, the master plan supports the creation of a social campus with a tiered provision of spaces for Primary, Secondary and Tertiary social amenities via the creation of a “Social Deck” to enforce a the ‘heart’ of a proposed Place such that the physical layout of the proposed Places may encourage students to linger after class and interact.

#### ⑤ Respect Green Spaces

The last but equally important aspect of creating an improved lived-in campus environment is a biophilic approach to affiliate with nature in the modern built environment that ultimately translates to better productivity and well-being of inhabitants. The master plan formalises such respect for the surrounding greenery with a layout that responds to the forested ridge, and sensitive treatment of building edges that are adjacent to green spaces.

Some of the strategies used to revitalize the campus are:



### ② Heritage Celebration

Respecting and celebrating heritage assets is another crucial element of campus revitalization. These assets, whether officially listed or not, hold significant architectural, historical, or social value. They contribute to the social, political, economic, or architectural history of the University and may have connections to notable individuals or national heritage. Heritage assets also include trees and landscape features that add to the distinctive character of the Kent Ridge campus, positively impacting cognitive and emotional well-being.

Notably, the *Margaritaria indica* at Yale-NUS College is recognised as a Heritage Tree by NParks. Strict adherence to guidelines for tree protection is imperative.

### ③ Ecological and Streetscape Connections

Enhancing ecological connections and the streetscape is another vital aspect of revitalization. Strategies to connect with the Ridge involve implementing roof gardens and vertical greens on campus, reducing the edge effect, and creating an ecological link between the urban campus and the secondary forest. The enhancement of the campus streetscape aims to align with the "Campus in a tropical forest" vision from the Campus Greenery & Streetscape Plan by enhancing major roads with plants.

Enhancing these roads with native planting will create a green corridor, facilitating the movement of flora and fauna. Adhering to plans for rooftop and vertical greenery ensure the successful establishment of plants, supporting the University's ecological and aesthetic goals.

### ① Social Landscape Strategy

The key strategy in campus revitalisation is the effective utilisation of open spaces to create productive landscapes such as green zones to offer variety of venues for collaboration or contemplations. Such Green Zone is typically designed for recreation and relaxation to support high-energy activities like informal sports and games, while also providing quiet areas for respite, making it an urban oasis for reflection and relaxation. This thoughtful design distinguishes it from the fast-paced campus environment, making it a popular spot for social gatherings, lunchtime meals, and reading.

Similarly, the Street Plaza and Open Courtyard serve as an open, urban public space situated near high-traffic areas for high visibility and generally used for brief activities like sitting, waiting, watching, gatherings, and socialisation. The addition of large, shady native trees enhances user comfort by providing necessary shade. Open courtyards can be surrounded by building elements, fostering a sense of community within the architectural framework.



### ④ Campus Interface

Finally, the master plan considers the integration of the campus with its larger context, including Science Park, Mediapolis, and Launchpad@One-North.

The master plan aims to improve integration through targeted strategies, ensuring seamless connectivity between the campus and its surrounding areas.

Through these comprehensive strategies, NUS aims to create a more connected, vibrant, and community-centered campus, fostering an environment where academic and social life can thrive together