

Virtual NUS

This initiative sees the transformation of the flagship Kent Ridge Campus of NUS — with its connected ecosystem of 50,000 students and staff — into a digitally pitched living laboratory allowing for exploration of design, development and testing of innovative big data applications and solutions.



By monitoring the increase in passenger traffic at specific areas and times, predictive real-time deployment of buses improves the internal shuttle bus service. Virtual NUS involves the capture of big data through campus-wide sensors and mobile devices connected to the NUS network. Data is computed and examined to create an analytics plan in innovating the way we learn, live, work and play.



Other Virtual NUS applications
By monitoring signals from smart phones and devices on campus, finding a less crowded place for lunch, for instance, or an under-utilised lecture theatre or meeting room are just other viable possibilities.



Study Buddy App

- 1 The app matches users with others in the same discipline of study or with similar interests.
- 2 Users can then connect and organise to meet up by creating a study group.
- 3 Based on real-time data analytics, the app also suggests locations around campus conducive for group study or discussion.