

21 NOV 2016

IS439 – INTERNET OF THINGS: TECHNOLOGY & APPLICATIONS POSTER DAY

TIME: 5PM ~ 7PM
VENUE: CONCOURSE T-JUNCTION BASEMENT 1
(BRAS BASAH MRT STATION EXIT 'C')
SINGAPORE MANAGEMENT UNIVERSITY
70 STAMFORD ROAD, S178901



Step-wise is a web application designed to track the movement of visitors from space to space within buildings. Utilising BLE beacon technology, Step-wise serves as a custom solution for hospitals' visitor logging and contact tracing needs, empowering medical teams and health authorities to take decisive actions to contain outbreaks of infectious diseases.



KiDar is the educator's solution to the worries of bringing children out on excursions. Get intelligent alerts when children start to wander out of a stipulated radius, and monitor their temperatures as well!



MozzieWipe is a participatory sensing approach to monitor mosquito activity in Singapore. By using user contributed photos of bites, it seeks to provide real-time identification of mosquito hotspots and potential breeding locations. This information enables the NEA to plan and evaluate vector control operations.



iFindYou is an IoT system that uses wearable BLE beacons and crowdsourcing to hasten the search for dementia persons who go missing. Volunteers running iFindYou on their mobile devices will be notified when BLE signals are received from missing persons who are wearing the beacon, and within the vicinity. The respective caregivers will then be notified, together with information on the missing person's whereabouts.



Team Instinct

Team Instinct is building an energy monitoring solution with cross-weather analysis for Bigbelly Singapore's smart bins, in order to forecast energy capacity, suggest operational windows and better plan for scalability.



Travel independence is seemingly easy for most of us, yet remains one of the biggest challenges to the visually-impaired (VI). **TrAVEI**, a mobile app, leverages geofencing and beaconing technology to aid VIs board the right bus. It integrates GPS and open-source APIs to assist users to travel independently and alight at the right stop.



HydrateME is a mobile and web-based application that utilizes Estimote Nearables and Bluetooth sensors to record the volume of water dispensed at water coolers for each student. Students, parents and teachers can view the information collected and the relevant analysis. They can also receive automated reminders to better ensure proper hydration for themselves, their children and their form class respectively.



Clog Watchers

Clog Watchers aims to optimise the allocation of drain maintenance personnel in Jakarta by monitoring the water levels and clogging severity of its drains.