ANLY 482 AY1516 T2
Team WalkThere- Minutes of Supervisor Meeting 3

Date:	25 January 2016
Time:	1300-1400
Venue:	School of Information Systems, Level 4
Present:	Sim Peh Wuen Jeanne, Lim Hui Ting
Absent with Apologies:	Lim Hui Ting Jaclyn

Agenda:	1. Review of Project Proposal 2. Data Analysis on QGis 3. EZ-Link Data Retrieval 4. Other Clarifications

1.1	**<u>Review of Project Proposal</u>**
	Literature review -- on previous work:
	- Criticise on the gaps and how it can complement the study
	- It should lead to our study
	- Good transport may discourage people to walk
	  - Is it true that because we have good transport services - people are less likely to walk? This is something that we want to prove? → hypothesis
	  - If public transport is so efficient people will always walk instead of taking buses
	  - Or is it true that people who tend to take buses only go for long distances
	  - There are more gaps that we can find out from the studies - hence from this we can do additional studies to complement findings, and get a clearer idea
	  - One of the problems of Tampines-bus stop too near mrt station resulting in congestion(show conflict of interest)
	  - move the bus stops out then make the inside nice to walk in order to encourage walkability
	  - conflict on space

2.1	**<u>Data Analysis on QGis – Bus Stops</u>** 1. Bus stops to be included into bus routes-so that we are able to know what are the attractions within the bus stop area i.e if the trip is for sch or…. 2. HDB block from http://download.bbbike.org/osm/bbbike/Singapore/ ● Extract out tampines ● Select HDB units ● Label these units ● Need to check through to ensure that they're the same ● Classify the houses → residential (i.e. terrace/ private/ public) ● points shape file-> bus stops data ● landuse->reservoir, park, nature space 3. Match the different sources of data (i.e. the one from busrouter and the one from OSM) 4. Pedestrian network a. Roadside - use the road

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	b. Within the HDB - need to trace i. use qgis - tracer, and use your mouse to trace the line ii. Have to manually check as well
2.2	**<u>Other Data Analysis methods on QGis</u>** Bus stop with route - Snap the point into the line - Break the line Create 2 different lines for 2 different directions Road graph plugin->build your road network into graph network PG routing http://pgrouting.org/ → calculate all the shortest path u can walk through, for pedestrian network - We should digitize the segment of the void decks to find the routes - If not, we can consider using the raster method to do it instead (raster and proximity analysis to calculate the distance between the starting and ending point → calculates and extracts distance path)>assume that they cannot cut through the buildings/blocks but anywhere outside the building can walk - Create a grid cell of 1m resolution so will know the distance between residential block to facility For accessibility, research on how to conduct these using Qgis: • Raster analysis • Network analysis • Pgrouting Use svy21: used wgs84 as the centroid
3.1	**<u>Ez-Link Data Retrieval</u>** - Write to LARC for the ez-link data(Jan data will be given) - Raw data inside the server - Extract the data into our own computer - Exclude mrt data> focus all the activities within a certain area in tampines (origin and destination of the commuter shld be all within this certain area) >aggregate them according to time/look at them on case by case basis
4.1	**<u>Other Clarifications</u>** - **Mid term presentation:** o Update how much are done- Progress Report/ Describe process more than talking about the findings/ List Key findings

Next Step of Action:	**1. Retrieve data** **2. Start on EZ-link data analysis**