

**ANLY 482 AY1516 T2**  
**Team CommuteThere- Minutes of Supervisor Meeting 3**

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

<b>Agenda:</b>	<ol style="list-style-type: none"> <li>1. Review of Project Proposal</li> <li>2. Data Analysis on QGis</li> <li>3. EZ-Link Data Retrieval</li> <li>4. Other Clarifications</li> </ol>
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<b>1.1</b>	<p><b><u>Review of Project Proposal</u></b></p> <p>Literature review -- on previous work:</p> <ul style="list-style-type: none"> <li>- Criticise on the gaps and how it can complement the study</li> <li>- It should lead to our study</li> <li>- Good transport may discourage people to walk <ul style="list-style-type: none"> <li>- 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</li> <li>- If public transport is so efficient people will always walk instead of taking buses</li> <li>- Or is it true that people who tend to take buses only go for long distances</li> <li>- 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</li> <li>- One of the problems of Tampines-bus stop too near mrt station resulting in congestion(show conflict of interest) <ul style="list-style-type: none"> <li>- move the bus stops out then make the inside nice to walk in order to encourage walkability</li> <li>- conflict on space</li> </ul> </li> </ul> </li> </ul>
<b>2.1</b>	<p><b><u>Data Analysis on QGis – Bus Stops</u></b></p> <ol style="list-style-type: none"> <li>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....</li> <li>2. HDB block from <a href="http://download.bbbike.org/osm/bbbike/Singapore/">http://download.bbbike.org/osm/bbbike/Singapore/</a> <ul style="list-style-type: none"> <li>● Extract out tampines</li> <li>● Select HDB units</li> <li>● Label these units</li> <li>● Need to check through to ensure that they're the same</li> <li>● Classify the houses → residential (i.e. terrace/ private/ public)</li> <li>● points shape file-&gt; bus stops data</li> <li>● landuse-&gt;reservoir, park, nature space</li> </ul> </li> <li>3. Match the different sources of data (i.e. the one from busrouter and the one from OSM)</li> <li>4. Pedestrian network <ol style="list-style-type: none"> <li>a. Roadside - use the road</li> </ol> </li> </ol>

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	<p>b. Within the HDB - need to trace</p> <ul style="list-style-type: none"> <li>i. use qgis - tracer, and use your mouse to trace the line</li> <li>ii. Have to manually check as well</li> </ul>
<b>2.2</b>	<p><b><u>Other Data Analysis methods on QGIS</u></b></p> <p>Bus stop with route</p> <ul style="list-style-type: none"> <li>- Snap the point into the line</li> <li>- Break the line</li> </ul> <p>Create 2 different lines for 2 different directions</p> <p>Road graph plugin-&gt;build your road network into graph network</p> <p>PG routing <a href="http://pgrouting.org/">http://pgrouting.org/</a> → calculate all the shortest path u can walk through, for pedestrian network</p> <ul style="list-style-type: none"> <li>- We should digitize the segment of the void decks to find the routes</li> <li>- 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)&gt;assume that they cannot cut through the buildings/blocks but anywhere outside the building can walk</li> <li>- Create a grid cell of 1m resolution so will know the distance between residential block to facility</li> </ul> <p>For accessibility, research on how to conduct these using Qgis:</p> <ul style="list-style-type: none"> <li>• Raster analysis</li> <li>• Network analysis</li> <li>• Pgrouting</li> </ul> <p>Use svy21: used wgs84 as the centroid</p>
<b>3.1</b>	<p><b><u>Ez-Link Data Retrieval</u></b></p> <ul style="list-style-type: none"> <li>- Write to LARC for the ez-link data(Jan data will be given) <ul style="list-style-type: none"> <li>- Raw data inside the server</li> <li>- Extract the data into our own computer</li> </ul> </li> <li>- Exclude mrt data&gt; focus all the activities within a certain area in tampines (origin and destination of the commuter shld be all within this certain area) &gt;aggregate them according to time/look at them on case by case basis</li> </ul>
<b>4.1</b>	<p><b><u>Other Clarifications</u></b></p> <ul style="list-style-type: none"> <li>- <b>Mid term presentation:</b> <ul style="list-style-type: none"> <li>o Update how much are done- Progress Report/ Describe process more than talking about the findings/ List Key findings</li> </ul> </li> </ul>

<b>Next Step of Action:</b>	<p><b>1. Retrieve data</b></p> <p><b>2. Start on EZ-link data analysis</b></p>
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