

# Singapore Management University

## ANLY482 Analytics Practicum

Supervisor Meeting Minutes 2 as on 11<sup>th</sup> January 2017

Time Start:	1.30pm
Time End:	2.30pm
Location:	SMU SIS Meeting Room 4-1
Recorded by:	Tan Yong Kiong, Alson
Vetted By:	Heng Kok Chin

Attendees:	
Dr Kam Tin Seong Tan Yong Kiong, Alson Heng Kok Chin	Associate Professor of Information Systems (Practice) Undergraduate, Singapore Management University Undergraduate, Singapore Management University
Absent with Apologies:	
Peh Zhan Hao	Undergraduate, Singapore Management University

### Agenda

#### 1. Update Supervisor on progress

No.	Discussion:	Action by:	Deadline:
<b>A</b>	<b>Update Supervisor on progress</b>		
1	<ul style="list-style-type: none"> <li>• Edufy met up with the school to discuss the project further</li> <li>• We are looking into the problem of streaming and deciding subject combination for Secondary 2 students</li> <li>• After the first Sponsor meeting, we thought that it was a problem between deciding whether student should pursue Double Pure Sciences or Combined Sciences</li> <li>• However, the Vice-Principal, Mrs Wong thought that the problem was between Double Pure Sciences or Triple Pure Sciences</li> <li>• After clarification with the Principal, it was decided that the focus is between the Pure Sciences and the Combined Sciences</li> <li>• As such, there are four subject combinations that we are looking into:               <ul style="list-style-type: none"> <li>- Triple Pure Sciences</li> <li>- Double Pure Sciences</li> <li>- Single Pure Science with Combined Sciences</li> <li>- Combined Sciences</li> </ul> </li> <li>• Supervisor mentioned that in Secondary 1, students already take different sciences. How should the school decide the science grades?</li> </ul>		
<b>B</b>	<b>Suggestions/Advice from Supervisor</b>		
1	<ul style="list-style-type: none"> <li>• Minutes need to contain the person who spoke (to prevent confusion and also to have a record in case of conflicts) and follow-up action (who is completing what by which date)</li> </ul>		

	<ul style="list-style-type: none"> <li>• Minutes need to be sent to all parties to ensure that they have read and agreed to what was written (the team will start doing this from the next Sponsor/Supervisor meeting onwards)</li> <li>• Try to look into the CCA of the students <ul style="list-style-type: none"> <li>- Hours spent into CCA might compromise on learning</li> <li>- Different CCA require different commitment level (a student in Uniformed Group will most likely spent more time in CCA than a student in Clubs &amp; Societies)</li> </ul> </li> <li>• Do more literature review talking about streaming or secondary school information in order to have a better understanding regarding this context</li> <li>• For the application, the team can look into using R Markdown and R Shiny for developing an interactive application <ul style="list-style-type: none"> <li>- Allow the school to input data in the future and recalibrate the analysis</li> <li>- Can look into free book (R Programming for Data Science)</li> </ul> </li> <li>• Prescriptive Analysis <ul style="list-style-type: none"> <li>- Do a thorough descriptive analysis to show the mismatch</li> <li>- Use results from Secondary 2 and CCA as independent variables</li> <li>- GCE 'O' Level results as dependent variable</li> </ul> </li> <li>• Gantt Chart <ul style="list-style-type: none"> <li>- Remove cluster analysis and time-series analysis</li> <li>- Coding the application and Exploratory Analysis can be parallel tasks</li> </ul> </li> <li>• Always check with Sponsor to gather feedback and share findings</li> </ul>		
<b>C</b>	<b>Action Items</b>		
	<ol style="list-style-type: none"> <li>1. Tidy up minutes to be the correct format</li> <li>2. Ask the school for CCA data</li> <li>3. Do literature review</li> <li>4. Tidy up Wikipedia (Change Gantt Chart etc.)</li> </ol>	Kok Chin & Alson  Zhan Hao  Zhan Hao  Kok Chin	16 <sup>th</sup> January 2017 (Mon)