EE 492 Weekly Report MAY1633 Week 2(1/21/16-1/27/16)

Advisors: Dr. Daji Qiao, Dr. Long Que		Client:	
Members (roles):	Schilling, Anthony (Team Leader)		
	Bennett, Tyler (Concept Keeper)		
	Li, Liuchang (Web Master)		
	Lin, Haisong		
	Tian, Yang(Communication Lead	ler)	
Time: Jan 21th 2015			
Project Title: H	Portable Nutrient Data Collec	tion System Based on MEMS	
Sensors and Smartphone technologies			

Summary and Accomplishments

The main goal of this week is making a basic plan based on the current state.

WHO	WHAT	HOURS
Anthony	Test the Bluetooth connection between SAM21 and cell phoneTest the sample data from spectrometer	2.5
LiuChang	Do the research about the UART and RS232 connectionKeep testing the PCB design	2
Haisong	Test the micro charge deviceTest the transformer	3
Tyler	Design the cell phone appDo some research about the data base	2
Yang	 Do the research about the UART pin on the SAM21 	2

Meeting notes:

- 1. The whole operation process was reviewed to make sure all group members know all the subsystems.
- 2. UART signal transforming can be applied on the prototype product.
- 3. Need to make an appointment about the 3-d case once the size is determined.

Pending issues

- 1. Anthony is working on the Bluetooth connection between the cell phone and chip
- 2. Tyler is working on the app design
- 3. Haisong is working on the test and debugging of the micro charge device.
- 4. Liuchang is working on the PCB design of the board and the interface between the UART and RS232
- 5. Yang is working on the data file format of the spectrometer and build connection between microcontroller and spectrometer.