EE491 Weekly Report 12

Date: 1/16/17-1/22/17

Group number: May 1717

Project title: 19 - Wireless Solar Temperature/Humidity Sensor

Client: Dan Stieler

Team Members/Role:

Yi Qiu - General Member

Xiang Li - Webmaster

Kebei Wang - Team Leader

Trevor Brown - Key Concept Holder

Kukjin Chung - Communication Leader

Weekly Summary

- We tried to contact with our client and advisor to schedule a meeting time.

Past week accomplishments (please describe as what was done, by whom, when)

- Kebei Wang -test the property of new chips we will get and check to see if we can find new BLE and compare it with which we are using.

- Trevor Brown - Tested multiple sensors and measured the power consumption. Tested the energy harvesting circuit with a battery.

- Yi Qiu - meeting with group and go to Nordic website to search the nRF52 datasheet.

- KukJin Chung - Participated short meeting after the class and prepared what we need to continue.

- Xiang Li —did some research on how to use BLE module board, and participated the meetings as well as finished the revised desgin document.

Pending Issues

- Contact with our client and advisor.

- Realize how to use BLE Module, and do the coding stuff.

Individual contributions

NAME	Individual Contributions	Hours this week	HOURS cumulative
Yi Qiu	Did some research on BLE Module, and see how we develop our design.	5.5	35
Xiang Li	Did some research about PCB design for our project.	5	35
Kebei Wang	Did some research and see what we need to develop.	3	35.5
Trevor Brown	Did some research about TI chips and compare the power consumption	4	35
Kukjin Chung	Did some research about how to do the coding in	3	36.5

Comments and extended discussion

<u>Plan for coming week (please describe as what, who, when)</u>

- Kebei W.contact with client and advisor to schedule a meeting with them, and help to draw the PCB.

- Yi Q. study using the BLE Module, and do the coding.

- Kukjin C. study usigng the BLE Module, and do the coding .

- Trevor B. design the PCB.

- Xiang L. help to draw the PCB.