EE 491 WEEKLY REPORT

Date: 20/03/2015

Group number: DEC1616
Project title: Surveillance of dairy animals using a smartphone-based system
Advisor: Meng Lu

Team Members/Role:
Xin Tong: App development (Skill: X-code)
Di Zhao: Mount design and 3D printing (Skill: Solidworks)
Le Wei: Optical design (Skill: Code V)
Tianqi Luo: Assay development (fluorescence polarization assay kit)

Weekly Summary about the week 8

In this week we have three meetings. First we meet with our We had two meetings this week. Frist we meet with our advisor Meng Lu. Our professor Lu give us some advice and found some faults for our design. Our group members met two times to share our results, collect our data and start to design our 2nd generation design. We start to prepare to our presentation and practice again and again.

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

Xin Tong: Find bugs and complete App for the project.

Tianqi Luo: .find a new kit for project and do some PPT for final presentation

Le Wei: Continue design optical structure in Code V

Di Zhao: Design holder structure for optical parts.

Individual contributions

NAME	Individual Contributions	Hours this week	HOURS cumulative
A	Tianqi Luo	8	40
B	Di Zhao	6	36
C	Le Wei	8	48
D	Xin Tong	7	38

Comments and extended discussion

In this week we start to prepare our final presentation. Our group members start to practice the presentation to make sure we can do it better in the end of this semester. Then, we start to combine our results and make the whole project. Le Wei and Di Zhao combine the Code V and Solidwork to make a simulation for our project and we have already finish the 1st generation to collect. And the 2nd generation was start to design. Xin Tong will work hard for our app make it more precise for collecting data. Tianqi Luo will compare the data between our equipment and bio lab equipment and share results to other group members.

Plan for coming week (please describe as what, who, when)

Xin Tong: Work hard for our app make it more precise for collecting data.

Tianqi Luo: Using our new kit to collect data compare to our equipment and continue working for PPT.

Le Wei: Continue working for optical structure which use Code V.

Di Zhao: Combine the Code V optical model and design holder which use Solidwork.

Summary of weekly advisor meeting (if applicable/optional)

We met our advisor Meng Lu in this week. Professor Lu let us talk about our job last week one by one. Our group members dentally talk about our works and share some results to professor and others. Our professor let us complete our PPT and prepare the finial presentation. And he let us to combine our work and start for 2nd generation design.