
EE 492 WEEKLY REPORT 8

Date:2/27/17-3/3/17

Group number: 1721

Project title: Glucose detection using a disposable nanosensor

Client &/Advisor: Prof. Que

Team Members/Role: Shir Linn Tan (Team Leader)

Wai Han Kong (Team Communication Leader)

Dalton Strauser (Team Key concept holder)

XiongSheng Yi (Team Webmaster)

(All the above information should be there in each weekly report. The format/color scheme etc need not be the same.)

○ **Weekly Summary (Short summary about what you did this week)**

For this week, it is last testing for our glucose detection project. The concentration of glucose solution we used is 20mg/ml at this time. Same as before, we used three detectors to test three groups of data. Each detector had three sets of data. All the data detected were stored in the excel and we plot the glucose concentration functions in the excel. After finishing the testing part, we have to sort and analyze all the data and graphs obtained and prepare out second presentation for the next week.

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

Testing and analyzing the glucose solution by the concentration of 10mg/ml in the lab.

○ **Pending issues (if applicable)**

- Shi Linn Tan: Testing the glucose solution by concentration of 20mg/ml, analyze data and plot the corresponding figure. Analyzing the data obtained, making the PPT and preparing for the second presentation on the next week.

- Wai Han Kong: Testing the glucose solution by concentration of 20mg/ml, analyze data and plot the corresponding figure. Analyzing the data obtained, making the PPT and preparing for the second presentation on the next week.
- Dalton Strauser: Testing the glucose solution by concentration of 20mg/ml, analyze data and plot the corresponding figure. Analyzing the data obtained, making the PPT and preparing for the second presentation on the next week.
- XiongSheng Yi: Testing the glucose solution by concentration of 20mg/ml, analyze data and plot the corresponding figure. Analyzing the data obtained, making the PPT and preparing for the second presentation on the next week.

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Tan Shir Linn	Go to lab, do the testing of 10mg/ml glucose solution, analyze data and plot the corresponding figure.	4	17
Wai Han Kong	Go to lab, do the testing of 10mg/ml glucose solution, analyze data and plot the corresponding figure.	4	17
Dalton Strauser	Go to lab, do the testing of 10mg/ml glucose solution, analyze data and plot the corresponding figure.	4	17
XiongSheng Yi	Go to lab, do the testing of 10mg/ml glucose solution, analyze data and plot the corresponding figure.	4	17

○ **Comments and extended discussion**

After finishing all the testing work and data sorting work, we showed the results to our advised PhD student and professor. They were satisfied with our outcomes, which means we succeed.

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

- Shir Linn Tan: Prepare for the second presentation on the next week.

- Wai Han Kong: Prepare for the second presentation on the next week.
 - Dalton Strauser: Prepare for the second presentation on the next week.
 - XiongSheng Yi: Prepare for the second presentation on the next week.
- **Summary of weekly advisor meeting (if applicable/optional)**
- We had a meeting with our advised professor this week. We asked him something about our testing work and some questions about our presentation on the next week. He was satisfied for our outcomes of glucose detection. He also gave us some suggestions for our presentation content.