

Group number: 22

Project title: Smartphone based nano-device for human breath sensing

Client &/Advisor: Prof. Long Que

Team Members/Role: Jared Smiley-Team Leader, Zhaobo Huang-Webmaster, Mengzhou Sha-Communication Leader, Concept Holder-Xin Chen

(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)**

This week, we set up a meeting with our mentor for Monday at 10 in his office. We were able to discuss the basics of the project and outline what our responsibilities would be and what has already been accomplished by the professor and his team. Additionally he recommended some actions for us to take during the week such as reading the documentation for the project that he was going to send us and set up a time to go to the lab and meet with the team.

Additionally we had our first team meeting to discuss tasks to accomplish before next week's meeting such as reading the project documentation. We also determined team roles, discussed a good time for next week's meeting, and worked on this report.

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

- **Team Member 1: Met with professor. Asked questions about tasks he wants us to accomplish for next week. Completed weekly report.**
- **Team Member 2: Met with professor. Asked questions about tasks he wants us to accomplish for next week. Completed weekly report.**
- **Team Member 3: Met with professor. Asked questions about tasks he wants us to accomplish for next week. Completed weekly report.**

- Team member 4: Met with professor. Asked questions about tasks he wants us to accomplish for next week. Set up meeting with professor. Completed weekly report.
- **Pending issues (if applicable)**
 - Ask professor if we need to sign non-disclosure agreement.
 - Set up meeting with his team in the lab
- **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Member 1	Meeting	1	1
Member 2	Meeting	1	1
Member 3	Meeting	1	1
Member 4	Scheduled Meeting, Meeting	1.5	1.5

- **Comments and extended discussion**

- **Plan for coming week (please describe as what, who, when)**
 - Team Member 1: Read documentation already completed on project, meet to discuss understanding, discuss website plan
 - Team Member 2: Read documentation already completed on project, meet to discuss understanding, discuss website plan
 - Team Member 3: Read documentation already completed on project, meet to discuss understanding, discuss website plan
 - Team member 4: Read documentation already completed on project, meet to discuss understanding, try to set up meeting in lab,discuss website plan

- **Summary of weekly advisor meeting (if applicable/optional)**

Meeting 9/12/16 Prof. Que's office

Discussed background:

They already have developed the optical device and it works when connected to matlab on a lab computer. Prof Que has been working on this project for a while with a team of grad students who are experts in optics. The plan on his side of the project is to order parts to build an optical device that is small enough to fit on a phone and to get it running.

Discussed our role:

We discussed that our role is to 3D model a part and 3D print it so that we can mount the optical device to the phone. Then we need to develop an app that understands the optical device output and tells you what health problems the patient has. Additionally we need to determine whether to use android or ios.

Discussed next steps:

Read project documentation that Prof Que will email out after meeting.