***EE 492 WEEKLY REPORT 3 Date: 1/30/17-2/5/17***

***Group number: 24***

***Project title: Ultrasound Water Purification***

***Client &/Advisor: Prof Bigelow***

***Team Members/Role:***

 ***Jacob Bernhard/Team leader***

 ***Yuhao Fu/Team Communication Leader***

 ***Parker Oltrogge/Team Webmaster***

 ***Subin Mao/Team Key Concept Holder***

 ***Xiyuan Wang/Team member***

 ***Tao Wu/ Team member***

* **Weekly Summary**

Purification group still works on find the way to build the model. Testing group have some big progress.

* **Past week accomplishments (please describe as what was done, by whom, when)**
* Jacob Bernhard: find out the way to go through the standing wave test.
* Yuhao Fu: after talk to the Mr. Lee in the part shop in coover, we decided to make the model there
* Parker Oltrogge: Built Temperature sensor on prototype board.
* Subin Mao: Keep working on testing PH sensor and created our temperature sensor.
* Xiyuan Wang: Continued to work on PH sensor and built our thermometer on our breadboard.
* Tao Wu: We primary decide to build our device through Mr.Lee
* **Individual contributions**

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| **NAME** | **Individual Contributions** | **Hours this week** | **HOURS****cumulative** |
| **Jacob Bernhard** | standing wave | 2 | 6 |
| **Yuhao****Fu** |  finish building in the next week | 2 | 6.5 |
| **Parker Oltrogge** | temperature Sensor prototype | 2 | 5.5 |
| **Subin Mao** | Keep working on PH sensor  | 3 | 7 |
| **Xiyuan Wang** | Continued to work on PH sensor and built our thermometer on our breadboard. | 2 | 6 |
| **Tao** **Wu** | already talked with Lee, suppose to finish building in the next week | 1 | 6 |

* **Plan for coming week**
* Jacob Bernhard: order the parts for standing wave test
* Yuhao Fu: finish the model building
* Parker Oltrogge: need a calibrated thermometer to calibrate ours. best way I can think to calibrate is read voltage of boiling water, and freezing water and create line from that.
* Subin Mao: Calibrate our temperature sensor and work .
* Xiyuan Wang: Continue to work on our thermometer.
* Tao Wu: to try to connect all device together. see if there are any problems.
* **Summary of weekly advisor meeting**

 we reported the situation we have now. the chemistry shop has a higher price to build the model, so we decided to make the model from Mr.Lee