***EE 492 WEEKLY REPORT 4 Date: 2/6/17-2/12/17***

***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.on ph sensor circuit.

* **Past week accomplishments (please describe as what was done, by whom, when)**
* Jacob Bernhard: ordering the parts for standing wave test
* Yuhao Fu: Lee find we need to tell him actual dimensions in inch
* Parker Oltrogge: Attempted to calibrate thermometer.
* Subin Mao: Calibrated our thermometer and connected it with PH sensor.
* Xiyuan Wang: Continued to work on the thermometer and connect it with the circuit of PH sensor.
* Tao Wu: Lee find we need to tell him actual dimensions in inch
* **Individual contributions**

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| --- | --- | --- | --- |
| **NAME** | **Individual Contributions** | **Hours this week** | **HOURS**  **cumulative** |
| **Jacob Bernhard** | standing wave | 3 | 9 |
| **Yuhao**  **Fu** | building model | 3 | 9.5 |
| **Parker Oltrogge** | Thermometer calibration | 3 | 8.5 |
| **Subin Mao** | Calibrated thermometer and keep working on ph testing . | 2.5 | 9.5 |
| **Xiyuan Wang** | Continued to work on the thermometer and connect it with the circuit of PH sensor. | 3 | 9 |
| **Tao**  **Wu** | transfer every dimension of our device in inch | 2 | 7 |

* **Plan for coming week**
* Jacob Bernhard: receive all the part and starting assemble.
* Yuhao Fu: we probably have the things build next week
* Parker Oltrogge: fix issues with very erratic temperature sensor.
* Subin Mao: Start to build the turbidity testing circuit.
* Xiyuan Wang: Begin to build the circuit for testing turbidity.
* Tao Wu: plan to have our device be built
* **Summary of weekly advisor meeting**

nothing new, still follow the plan we made at the beginning.