***EE 492 WEEKLY REPORT 7 Date: 3/6/17-3/12/17***

***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**

we talked with professor Bigelow, and decided to add a uv light in our device, so search and bought the uv light bulb online

* **Past week accomplishments (please describe as what was done, by whom, when)**
* Jacob Bernhard: ran the test but it didnt work.
* Yuhao Fu: talked with professor Bigelow, and decided to add a uv light in our device, so search and bought the uv light bulb online
* Parker Oltrogge: redesigned temperature sensor, got diminished fluctuation. tested all prototype boards hooked up to arduino at same time. wasted alot of time this week on temperature sensor.
* Subin Mao: made another testing block for turbidity testing
* Xiyuan Wang: Redesigned the thermometer part.
* Tao Wu: talked with professor Bigelow, and decided to add a uv light in our device, so search and bought the uv light bulb online
* **Individual contributions**

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| --- | --- | --- | --- |
| **NAME** | **Individual Contributions** | **Hours this week** | **HOURS**  **cumulative** |
| **Jacob Bernhard** | test | 2 | 16 |
| **Yuhao**  **Fu** | but equipment | 2 | 16.5 |
| **Parker Oltrogge** | redesigned temp sensor, full prototype test. | 6 | 19 |
| **Subin Mao** | test the turbidity of sample water in testing block | 4 | 19.5 |
| **Xiyuan Wang** | Redesigned the thermometer part. | 3 | 16 |
| **Tao**  **Wu** | buy the bulbs online | 1 | 16 |

* **Plan for coming week**
* Jacob Bernhard: run the test again
* Yuhao Fu: get the uv light set up
* Parker Oltrogge: reassess temperature purpose in overall circuit design and work to get PH sensor reading only positive outputs.(requirement of arduino analog pin)
* Subin Mao: try to make pcb layout on software
* Xiyuan Wang:
* Tao Wu: talked detail about how to place our uv light in our device and try to drill holes on our device
* **Summary of weekly advisor meeting**

Professor was busy with his own project but we did reported what we have done.