***EE 492 WEEKLY REPORT 1 Date: 1/16/17-1/22/17***

***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**

This is the last semester of our senior design. We have accomplished the several objects through last semester. Will keep working on it to get the expected results.

* **Past week accomplishments (please describe as what was done, by whom, when)**
* Jacob Bernhard: discussed with group about some detail design of the system model.
* Yuhao Fu:Talked with professor about the whole semester plan and discussed some detail design for our purification system.
* Parker Oltrogge: set goals for semester which includes creating PCB for final circuits, build and test all circuits designed(temperature sensor, PH sensor), design, build and test turbidity sensor, test design in differing temperatures to see variances.
* Subin Mao: Discussed with our group about the plan for the whole semester.
* Xiyuan Wang: Talked with our group about what we will do this semester.
* Tao Wu: finish the the design of our device
* **Individual contributions**

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME** | **Individual Contributions** | **Hours this week** | **HOURS**  **cumulative** |
| **Jacob Bernhard** | start working on standing wave design | 2 | 2 |
| **Yuhao**  **Fu** | go to chemistry store to see if they can help us to build device | 2.5 | 2.5 |
| **Parker Oltrogge** | planning for goals and milestones | 2 | 2 |
| **Subin Mao** | Made a plan about what we need to do this semester | 2 | 2 |
| **Xiyuan Wang** | Planning for what we will do this semester | 2 | 2 |
| **Tao**  **Wu** | fix small errors of our design. go to chemistry store to see if they can help us to build device | 3 | 3 |
|  |  |  |  |

* **Plan for coming week**
* Jacob Bernhard: doing research about standing wave project
* Yuhao Fu: looking for the way to build the model
* Parker Oltrogge: build temperature and PH sensor
* Subin Mao: Build the PH sensor and thermometer.
* Xiyuan Wang: We will try to build our PH sensor and thermometer.
* Tao Wu: try to find ways to build our device.
* **Summary of weekly advisor meeting**

It is really nice to talk to the professor about our project again since we will really build our own purification system model. We set up the plan for the whole semester.