***EE 492 WEEKLY REPORT 9 Date: 4/17/17-4/23/17***

***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 seal the model But still has water leak out. Try to use soft hose to connect to little tubes.testing group Assisted Subin with PCB board layout after he put our circuits into the program. I took the temperature circuit and laid it out for printing in the tightest format possible.

* **Past week accomplishments (please describe as what was done, by whom, when)**
* Jacob Bernhard: help with assembly purification system.
* Yuhao Fu: helped testing frup with the pcb design.
* Parker Oltrogge: Assisted Subin with PCB board layout after he put our circuits into the program. I took the temperature circuit and laid it out for printing in the tightest format possible.
* Subin Mao: finish the pcb layout design
* Xiyuan Wang: Designed the PCB board.
* Tao Wu: seal is complete. But still has water leak out. Try to use soft hose to connect to little tubes
* **Individual contributions**

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME** | **Individual Contributions** | **Hours this week** | **HOURS**  **cumulative** |
| **Jacob Bernhard** | assemble | 3 | 24 |
| **Yuhao**  **Fu** | Pcb design | 3.5 | 24.5 |
| **Parker Oltrogge** | PCB board design | 1 | 25.5 |
| **Subin Mao** | Pcb design, make the second turbidity testing block, and make the poster | 4 | 28.5 |
| **Xiyuan Wang** | Designed the PCB board | 1 | 21 |
| **Tao**  **Wu** | Finish the sealment | 3 | 21 |

* **Plan for coming week**
* Jacob Bernhard: help with the set up.
* Yuhao Fu: connect all things together and do the test
* Parker Oltrogge: next week we get PCB boards and solder them and test the PCB circuits and arduino.
* Subin Mao: solder the pcb and test them
* Xiyuan Wang: solder the pcb and test them
* Tao Wu: connect all things together and do the test
* **Summary of weekly advisor meeting**

This week we had a big progress and set up the whole system.