***EE 491 WEEKLY REPORT 4 Date: 9/27/16-10/3/16***

***Group number: 28***

***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 week, we had a meeting with all the team members to discussed the research idea.

* **Past week accomplishments (please describe as what was done, by whom, when)**
* Jacob: research about the transducer.
* Tao Wu: research about the requirement of drinking water
* Yuhao Fu, XiyuanWang: research about the filter for heavy metal
* Subin Mao, Parker: research about the filter for heavy metal
* **Pending issues (if applicable)**

Whether we need to design the transducer?

* **Individual contributions**

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME** | **Individual Contributions** | **Hours this week** | **HOURS**  **cumulative** |
| **Jacob Bernhard** | Research | 3 | 8 |
| **Yuhao**  **Fu** | Research | 3 | 8 |
| **Parker Oltrogge** | Research | 3 | 8 |
| **Subin Mao** | Research | 3 | 8 |
| **Xiyuan Wang** | Research | 3 | 8 |
| **Tao**  **Wu** | Research | 3 | 8 |

* **Comments and extended discussion**

Each of the group member did research about their own part. During the meeting, we shared all the idea about transducer, filter and sensor. It is a good way to build the basic idea of this project.

* **Plan for coming week**
* Figure out the way to find the transducer or just take apart the humidifier
* Find the frequencies that we need to purify
* Have a meeting with professor