***EE 492 WEEKLY REPORT 2 Date: for example 01***[***/22/17 to 01/29/17***](https://bb.its.iastate.edu/webapps/assignment/uploadAssignment?content_id=_2843610_1&course_id=_53546_1&assign_group_id=&mode=view)

***Group number: 26***

***Project title: Breast Feeding Flow Meter***

***Client &/Advisor: David Whitaker/ Santosh Pandey***

***Team Members/Role:*** Chukwudike C-Madu- Team Leader, Michael Brumfield- Team Webmaster Richard Milan- Team Communication Leader, Daryck Brown- Team Key Concept Leader Boris Ndoutoume- Team Key Concept Leader

* **Weekly Summary (Short summary about what you did this week)**

This week, the hardware team worked on designing a Autocad file to represent our hardware. The team met with the client and attempted to meet with the advisor.

**Past week accomplishments (please describe as what was done, by whom, when)**

* Chukwudike C-Madu: Proceeded to work on bluetooth schematic
* Michael: Researched resources to optimize bluetooth
* Richard Milan: Continued to work on circuit schematic
* Daryck Brown: worked on I2C communication b/w the micro-controller and the sensor.
* Boris Ndoutoume: Made plan for the feature implementations

**Pending issues (if applicable)**

Nothing to be concerned for now

**Individual contributions**

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME** | **Individual Contributions** | **Hours this week** | **HOURS**  **cumulative** |
| Chuck | Worked on bluetooth | 4 | **8** |
| Micheal | Researched resources to optimize bluetooth | 2 | **4** |
| Richard | Worked on circuit schematic | 6 | **9** |
| Daryck | worked on I2C communication b/w the microcontroller and the light sensor | 6 | **8** |
| Boris | Worked on analysing documentation for supplementary features | **3** | 7 |

* **Comments and extended discussion**

The team is almost ready to order the first hardware prototype

**Plan for coming week (please describe as what, who, when)**

* Chuck: will continue to work on bluetooth schematic
* Michael: will continue looking through resources to optimize bluetooth
* Richard: will continue to create custom circuit components on Multisim/ultiboard
* Daryck: will test using an arduino as a host microcontroller for the sensor.
* Boris: will continue to work on analaysing the different features of the App that need to be implemented.
* **Summary of weekly advisor meeting (if applicable/optional)**

This week has been rough due to hardship of choosing the best electronic components to implement the breast flow meter.