***EE 492 WEEKLY REPORT 8 Date: for example 03***[***/05/17 to 03/12/17***](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 sent the design files for the flexible PCB. The vendor has accepted it and started reviewing it.

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

* Chukwudike C-Madu: Discussed flexible PCB with vendors.
* Michael Brumfield: Worked on researching bluetooth integration techniques
* Richard Milan: Finished working on custom footprint/packaging for VEML6030
* Daryck Brown: Continued updating I2C communication b/w the arduino micro-controller and the light sensor.
* Boris Ndoutoume: Worked on researching bluetooth integration techniques

**Pending issues (if applicable)**

Flexible PCB companies are not so common and it seems like the vendors are slightly expensive and only take orders from big companies.

**Individual contributions**

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME** | **Individual Contributions** | **Hours this week** | **HOURS**  **cumulative** |
| Chuck |  | 7 | **39** |
| Micheal | Researched google firebase | 7 | **35** |
| Richard | Finalized flexible PCB design | 8 | **43** |
| Daryck | Wrote Arduino code for I2C bus communication. | 7 | **43** |
| Boris | Worked on analysing documentation for supplementary features | **9** | 40 |

* **Comments and extended discussion**

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

* Chuck: will keep in contact with PCB vendor and client.
* Michael: will continue to research google firebase
* Richard: will make any adjustments to circuit schematic and pcb design in multisim/ultiboard.
* Daryck: Will continue testing the light sensor using the arduino as the host micro-controller.
* Boris: will continue to work on researching android features for app.
* **Summary of weekly advisor meeting (if applicable/optional)**