Weekly Memo

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| to: | Dr. Yoder |
| from: | tommy tasch, abel woldemeskel, zachary zdrojewski, & Ruoyu Zhuang |
| subject: | weekly summary memo for team 03—Oscilloscope boosterpack |
| date: | October 24, 2014 |
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**Specific Accomplishments for the Week**

1. The Domain and Logical Architecture Models of the System Proposal were updated based on the comments during the poster presentation.
2. We have received 4 EK-TM4C1294XL LaunchPads.
3. Analog front end design was started. Zach received an informative book that included details about oscilloscope front end design (*The Art and Science of Analog Circuit Design*).
4. Rory successfully connected his LaunchPad with TI’s Exosite.

**Missed Objectives**

Research memos for analog, touchscreen, and data acquisition were not completed.

**Specific Goals for Next Week and Due Dates**

**Team:** Finish Version 0.5 of System Decomposition and Requirements by 10/29 and update our Version 1.1 System Proposal.

**Tommy:** Complete research memo on various ADC’s by October 27, 2014. Help with PSpice design of analog front-end. Work on logical decomposition and validation matrix and submit results by October 29. 2014.

**Abel:** Complete research memo on analog designs for filtering for oscilloscope design by October 27, 2014. Finish PSpice design of analog front-end with Zachary. Work on decision matrix and submit results by October 29, 2014.

**Zachary:** Complete research memo on analog designs for ADC drivers for oscilloscope design by October 27, 2014. Finish PSpice design of analog front-end with Abel. Work on physical architecture and submit results by October 29, 2014

**Ruoyu:** Complete research memo for various touch screen models for oscilloscope design by October 27, 2014. Continue working with KenTec TouchScreen on LaunchPad. Work on requirements statements and submit results by October 29, 2014

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| **Initials** | **Member** | **Actions From Past Week** | **Hours** | **Initiative** |
|  | Tommy Tasch | Partially completed research memo on various ADC’s, started spice modeling of analog front end design, worked on coding with TivaWare, team meetings, class | 8 |  |
|  | Abel Woldemeskel | Partially completed research memo on analog front-end, studied analog front end design, team meetings, class | 7 |  |
|  | Zachary Zdrojewski | Partially completed of research memo, started System Decomposition, started design of analog front end, class, team meetings | 7 |  |
|  | Ruoyu Zhuang | Extensive research on LCD Display and Tiva C 1294XL LaunchPad, partially completed system decomposition requirements, class, team meetings | 8 |  |

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| **Personnel** | **Hours** | **Cost ($)** | **Accumulated Hours** | **Accumulated Cost ($)** |
| Total Student Time | 30 | 600 | 198.5 | 3970 |
| Total Faculty Time | 0 | 0 | 1 | 150 |
| Total Technician Time | 0 | 0 | 0 | 0 |
| Total Engineer Time | 0 | 0 | 2 | 180 |

**Faculty Feedback**

I’m always a week behind when I read your memos. I look forward to your Friday update.