Updated Gantt Chart of Project Schedule (11/25/15)

ID	Activity	Start	Finish	Hours	Completion Percentage
1	Read Manual for Interpretation of data packet from scanner	9/15/2015	9/17/2015	3.33	100%
2	Research Image Registration Algorithms	9/22/2015	9/24/2015	4.33	100%
3	Purchase Camera	9/22/2015	10/1/2015	N/A	100%
4	Purchase Embedded Device	9/22/2015	10/8/2015	N/A	100%
5	Receive VLP-16	9/22/2015	10/15/2015	N/A	100%
6	Test Embedded Device	10/20/2015	10/20/2015	2.17	100%
7	Test Power supply to camera	10/22/2015	10/27/2015	5.83	100%
8	Implement Image Registration in MATLAB	10/22/2015	10/29/2015	7.17	100%
9	Implement Data Packet Read Function on Embedded Device	10/22/2015	11/10/2015	16	95%
10	Test image Capture Capability of Camera	10/29/2015	11/5/2015	7.17	100%
11	Implement Image Registration on Embedded Device	11/3/2015	11/23/2015	20.83	10%
12	Camera Installation	11/10/2015	11/17/2015	7.67	100%
13	Test Data Packet Read Function on Embedded Device	11/12/2015	11/19/2015	6.33	50%
14	Interface via operating system	11/19/2015	12/1/2015	8	60%
15	Test power supply to scanner	11/23/2015	12/1/2015	3.17	0%
16	Implement Image Registration for Single Frame Input	12/1/2015	1/21/2016	11	0%
17	Test Timing And Transmission of Data	12/3/2015	1/21/2016	6.17	0%
18	Test VLP-16 Scanner	12/3/2015	12/8/2015	3.17	0%
19	Process Data Packet From Scanner	1/21/2016	2/2/2016	11.33	70%
20	Image Registration For Live Video	1/26/2016	2/4/2016	11	0%
21	Camera Data Packet Transmission	2/4/2016	2/16/2016	11.5	0%
22	Orient/Install Scanner with appropriate scan angle (15 degrees)	2/9/2016	2/16/2016	6.17	0%
23	Progress Presentation	2/18/2016	2/18/2016	Deliverable	N/A
24	Student Expo Abstract	3/10/2016	3/10/2016	Deliverable	N/A
25	Test System Stability	3/22/2016	3/29/2016	Deliverable	N/A
26	Project Demonstration	3/24/2016	3/24/2016	Deliverable	N/A
27	Final Presentation (Last Lab Day)	4/7/2016	4/7/2016	Deliverable	N/A
28	Student Expo Poster Printing Deadline	4/7/2016	4/7/2016	Deliverable	N/A
29	Student Expo Poster Setup	4/12/2016	4/12/2016	Deliverable	N/A
30	Student Expo	4/14/2016	4/14/2016	Deliverable	N/A
31	Final Report (Draft)	4/14/2016	4/14/2016	Deliverable	N/A
32	Final Report	4/28/2016	4/28/2016	Deliverable	N/A
33	Final Web Page	4/28/2016	4/28/2016	Deliverable	N/A
34	Advisory Board Poster Printing Deadline	4/28/2016	4/28/2016	Deliverable	N/A
35	Advisory Board Poster Presentation	4/28/2016	4/28/2016	Deliverable	N/A

Progress Update (11/25/15)

Juan Vazquez

I've begun attempting to create a Linux kernel on a microSD card for the Odroid, which will allow for an increase in memory efficiency. Aside from this, I've started working with Dan to implement the packet reader program onto Ubuntu Server. Currently, the program is able to run for a small period of time. Future development will involve a complete build of the Linux kernel and a complete implementation of the packet reader program.

David Bumpus

This week I reinstalled OpenCV 3.0 with the opencv_contrib libraries using OpenCV 3.0 and Cmake. After failing to successfully implement access the SIFT libraries, I attempted to install OpenCV using Python 2.7 and Python 3.4. Neither attempt was successful. To get back on schedule I will attempt to install opencv_contrib to OpenCV 2.4.

Daniel Kubik

I have now finished writing both the storage classes and the interface classes. I am now able to create a "MasterBlock" object that can receive multiple data packets, while internally storing data from these packets that fall within the desired range. Juan and I are working to install these files to the Odroid device. I am on schedule, and will continue working at the same pace. My next steps will be to start helping David with the data registration process. I have already begun reading documents that will help bring me up to speed to understand this process; I will continue reading these over Thanksgiving break.