Updated Gantt Chart of Project Schedule (12/2/15)

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	100%
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	70%
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	100%
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	100%
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	100%
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 (12/2/15)

Juan Vazquez

I've been able to successfully implement the data packet read program that Dan created on the Odroid, by allowing functionality with Ubuntu. Aside from this, I discovered a memory allocation flaw for the operating system partition on the microSD card and EMMC. Future development will involve fixing this partition error and integrating the laser scanner interface program I've created previously.

David Bumpus

I successfully installed OpenCV 2.4.9 and was able to access all of the basic libraries. Additionally, I was able to include the nonfree libraries which contain the SIFT and SURF algorithms. I am on schedule and I will continue to work at the same pace.

Daniel Kubik

This past week I have been reading papers describing registration algorithms to get a better understanding of the registration process. I have also been working to give Visual Studio access to OpenCV libraries on my computer. I appear to be on schedule and will continue working at the same pace.