Updated Gantt Chart of Project Schedule (12/9/15)

Department Dep						Sep-15	Oct-15	Nov-15	Dec-15 Jan-16	Feb-16	Mar-16	Apr-16
Research Transpell yet and on Approximation of Arising September 9727051	ID Activity	Start	Finish	Hours	Completion Percentage		6 8 15 20 22 27 2	9 3 5 10 12 17 19			23 25 1 3 8 10 22 24 2	9 31 5 7 12 14 19 21 26 28
2. Research Irrange Registration of Temporal Policy (1972) 107/2015 107	,	_										
Description Section	2 Research Image Registration Algorithms	9/22/2015	9/24/2015	4.33	100%							
\$ Receive VIP-16	3 Purchase Camera	9/22/2015	10/1/2015	N/A	100%							
6 Fest Enheaded Device 10/20/2015 10/20/2015 5.83 100% 100% 100% 100% 100% 100% 100% 100	4 Purchase Embedded Device	9/22/2015	10/8/2015	N/A	100%							
Time Power supply to camera	5 Receive VLP-16	9/22/2015	10/15/2015	N/A	100%							
Residence Registration in MATIAB 10/22/2015 10/29/2015 11/2/2015 1	6 Test Embedded Device	10/20/2015	10/20/2015	2.17	100%							
9 Implement Data Paciest Read Function on Embedded Device 10/22/2015 1/1/0/2015 16 100% 10 Fest Image Capturic Capability Camera 10/22/2015 1/1/0/2015 1/1	7 Test Power supply to camera	10/22/2015	10/27/2015	5.83	100%							
10 Test Image Capture Capability of Camera 10/92/2015 11/5/2015 11/5/2015 11/23/2015	8 Implement Image Registration in MATLAB	10/22/2015	10/29/2015	7.17	100%							
11 Implement Image Registration on Embedded Device	9 Implement Data Packet Read Function on Embedded Device	10/22/2015	11/10/2015	16	100%							
12 Camera Installation	10 Test image Capture Capability of Camera	10/29/2015	11/5/2015	7.17	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 70% 15 Test power supply to scanner 11/12/2015 12/1/2015 3.17 0% 16 Implement Image Registration for Single Frame Input 12/1/2015 12/1	11 Implement Image Registration on Embedded Device	11/3/2015	11/23/2015	20.83	70%							
Interface via operating system 11/19/2015 12/1/2015 8 70%	12 Camera Installation	11/10/2015	11/17/2015	7.67	100%							
15 Test power supply to scanner 11/23/2015 12/1/2015 3.17 0%	13 Test Data Packet Read Function on Embedded Device	11/12/2015	11/19/2015	6.33	100%							
In Implement Image Registration for Single Frame Input 12/1/2015 1/21/2016 11 10%	14 Interface via operating system	11/19/2015	12/1/2015	8	70%							
17 Test Timing And Transmission of Data 12/3/2015 1/21/2016 6.17 0% 18 Test VIV-16 Scanner 12/3/2015 12/8/2015 3.17 100% 19 Process Data Packet From Scanner 1/21/2016 12/8/2015 11.3 85% 20 Image Registration For Live Video 1/26/2016 2/4/2016 11 0% 11.5 100% 12 Camera Data Packet Transmission 2/4/2016 2/16/2016 11.5 100% 12 Camera Data Packet Transmission 2/4/2016 2/16/2016 11.5 100% 12 Camera Data Packet Transmission 2/4/2016 2/16/2016 6.17 0% 12 Camera Data Packet Transmission 2/4/2016 2/18/2016 6.17 0% 12 Progress Presentation 2/18/2016 2/18/2016 0.17 0% 12 Progress Presentation 2/18/2016 2/18/2016 2/18/2016 2/18/2016 2/18/2016 2/18/2016 2/18/2016 2/18/2016	15 Test power supply to scanner	11/23/2015	12/1/2015	3.17	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 85% 2/4/2016 20 Image Registration For Live Video 1/26/2016 2/4/2016 11.5 100% 2/4/2016	16 Implement Image Registration for Single Frame Input	12/1/2015	1/21/2016	11	10%							
19 Process Data Packet From Scanner	17 Test Timing And Transmission of Data	12/3/2015	1/21/2016	6.17	0%							
20 Image Registration For Live Video 1/26/2016 2/4/2016 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 4/18/2016 Deliverable N/A 32 Final Report (Draft) 4/12/2016 4/28/2016 Deliverable N/A 33 Final Web Page 4/28/2016 4/28/2016 Deliverable N/A 34 Final Web Page 4/28/2016 4/28/2016 Deliverable N/A 35 Final Web Page 4/28/2016 4/28/2016 Deliverable N/A 36 Final Web Page 4/28/2016 4/28/2016 Deliverable N/A 37 Final Web Page 4/28/2016 4/28/2016 Deliverable N/A 36 Final Web Page 4/28/2016 4/28/2016 Deliverable N/A 37 Final Web Page 4/28/2016 4/28/2016 Deliverable N/A 38 Final Web Page 4/28/2016 4/28/2016 Deliverable N/A 39 Final Web Page 4/28/2016 4/28/2016 Deliverable N/A 30 Final Web Page 4/28/2016 4/28/2016 Deliverable N/A 31 Final Web Page 4/28/2016 4/28/2016 Deliverable N/A 32 Final Web Page 4/28/2016 4/28/2016 Delive	18 Test VLP-16 Scanner	12/3/2015	12/8/2015	3.17	100%							
21 Camera Data Packet Transmission 2/4/2016 2/16/2016 11.5 100% 2 Orient/Install Scanner with appropriate scan angle (15 degrees) 2/9/2016 2/16/2016 6.17 0% 2 Orient/Install Scanner with appropriate scan angle (15 degrees) 2/9/2016 2/18/2016 6.17 0% 2 Orient/Install Scanner with appropriate scan angle (15 degrees) 2/18/2016 2/18/2016 0 Orient/Install Scanner with appropriate scan angle (15 degrees) 2/18/2016 2/18/2016 0 Orient/Install Scanner with appropriate scan angle (15 degrees) 2/18/2016 0 Orient/Install Scanner with appropriate scan angle (15 degrees) 2/18/2016 Orientalle N/A 2 Student Expo Abstract 3/10/2016 3/10/2016 Deliverable N/A 3/2016 Deliverable N/A 3/2016 Deliverable N/A 4/2016 Deliverabl	19 Process Data Packet From Scanner	1/21/2016	2/2/2016	11.33	85%							
22 Orient/Install Scanner with appropriate scan angle (15 degrees) 2/9/2016 2/18/2016 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 3/22/2016 Deliverable N/A 26 Project Demonstration 3/22/2016 3/22/2016 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 Poster Setup 4/12/2016 4/14/2016 Deliverable N/A 31 Final Report (Draft) 4/14/2016 4/14/2016 Deliverable N/A 31 Final Report (Draft) 4/28/2016 4/28/2016 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 Final Web Page 4/28/2016 4/28/2016 Deliverable N/A	20 Image Registration For Live Video	1/26/2016	2/4/2016	11	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 Jay-2016 Deliverable N/A 27 Final Presentation (Last Lab Day) 4/7/2016 Univerable N/A 28 Student Expo Poster Printing Deadline 4/7/2016 Univerable N/A 29 Student Expo Poster Setup 4/12/2016 Univerable N/A 30 Student Expo Dester Setup 4/12/2016 Univerable N/A 31 Final Report (Draft) 4/14/2016 Univerable N/A 32 Final Report (Draft) 4/14/2016 Univerable N/A 33 Final Report (Draft) 4/28/2016 Univerable N/A 34 Final Report (Draft) 4/28/2016 Univerable N/A 35 Final Report (Draft) 4/28/2016 Univerable N/A 36 Final Report (Draft) 4/28/2016 Univerable N/A 37 Final Report (Draft) 4/28/2016 Univerable N/A 38 Final Web Page 4/28/2016 Univerable N/A	21 Camera Data Packet Transmission	2/4/2016	2/16/2016	11.5	100%							
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 4/12/2016 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 Deliverable N/A	22 Orient/Install Scanner with appropriate scan angle (15 degrees)	2/9/2016	2/16/2016	6.17	0%							
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 4/12/2016 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 Deliverable N/A	23 Progress Presentation	2/18/2016	2/18/2016	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 4/12/2016 Deliverable N/A 29 Student Expo Poster Setup 4/12/2016 4/14/2016 Deliverable N/A 30 Student Expo 4/14/2016 4/14/2016 Deliverable N/A 31 Final Report (Draft) 4/14/2016 4/12/2016 Deliverable N/A 32 Final Report 4/28/2016 4/28/2016 Deliverable N/A 33 Final Web Page 4/28/2016 Deliverable N/A	24 Student Expo Abstract	3/10/2016	3/10/2016	Deliverable	N/A							
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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 A/14/2016 4/14/2016 Deliverable N/A 31 Final Report (Draft) 4/14/2016 Jeliverable N/A 32 Final Report 4/28/2016 4/28/2016 Deliverable N/A 33 Final Web Page 4/28/2016 Jeliverable N/A	26 Project Demonstration	3/24/2016	3/24/2016	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	27 Final Presentation (Last Lab Day)	4/7/2016	4/7/2016	Deliverable	N/A							
30 Student Expo	28 Student Expo Poster Printing Deadline	4/7/2016	4/7/2016	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	29 Student Expo Poster Setup	4/12/2016	4/12/2016	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	30 Student Expo	4/14/2016	4/14/2016	Deliverable	N/A							
33 Final Web Page 4/28/2016 4/28/2016 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	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	35 Advisory Board Poster Presentation	4/28/2016	4/28/2016	Deliverable	N/A							

Progress Update (12/9/15)

Juan Vazquez

Currently, I'm integrating the packet sniffer and packet read programs into one program that will be implemented onto the Odroid. I have begun doing this by formatting received data packets into a text file in the same format that Dan's packet read program initially reads each packet. Future development will involve full integration alongside allowing for the capability of continuous packet capture and reading.

David Bumpus

After successfully generating code for implementation of the SIFT and SURF algorithms, I installed the Point Cloud Libraries (PCL) for generation of depth maps from stereo images and Lidar point cloud data. I will continue to work at the same pace. There may be infrequent updates until January because of the holiday break.

Daniel Kubik

My focus has been to continue learning about registration techniques. The current plan is that David and I will both work to create depth maps; I will focus on a lidar point map and he on the camera data. In addition, I have successfully added the OpenCV library to my computer and can now access it through Microsoft Visual Studio. I will continue working at the same pace.