CprE 491 WEEKLY REPORT 14 **Date: September 5, 2016**

Group number: Dec1618
Project title: A Community Awareness System for Android Devices
Client: NSA, Dr. Daji Qiao, Dr. George Amariucai
Advisor: Dr. Daji Qiao, Dr. George Amariucai
Team Members/Role:

- Jason Wong: Team Leader
- Erik Fetter: Communication Leader
- Matt Gerst: Team Webmaster
- Shikhar Vats: Key Concept Holder
- Brad Anson: Key Concept Holder
- Adit Kushare: Key Concept Holder

✓ **Weekly Summary (Short summary about what you did this week)**

We had the second meeting with our advisors last week. We discussed our progress with them, and set goals for the next weekly meeting.

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

- ❖ Jason finished the new visualization.
- ❖ Brad implemented the MeshMS Broadcast Receiver.
- ❖ Shikhar has a few options for the RSSI use in distance measurement.

✓ **Individual contributions**

NAME	Individual Contributions	Next Week Goals	Hours this week	HOURS cumulative
Jason Wong	• Started and finished new integration of graphing library for visualization	• Research how to broadcast MAC address	5	10
Brad Anson	• Created Service with MESHMS-Specific Broadcast Receiver to listen for new files that have been sent over the mesh, • Developed basic strategy/architecture	• Implement the Service, fix bugs, have a working protocol	6	8
Adit Kushare	• Researched Local, remote and intent services. Worked on gathering sensor data in background.	• Implement a remote service using acquired research.	4	6
Erik Fetter	• More research on storage options given what we need to use with Rhizome	• Pivot to something where more progress can be made right now. Storage is dependent on what we learn about Rhizome	2	5
Matt Gerst	• Researched how Rhizome works to determine how it can be used for sensor data among other things	• Determine the best way to integrate the new knowledge of Rhizome into an API	2	5
Shikhar Vats	• After some research I have a couple options for using the bluetooth RSSI to measure distance	• Will discuss with the advisors on the best method and start working on the approach	6	8.5

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

We all plan to continue working on our decided issues, and will try to demonstrate a working prototype of our updated goals to the advisors.

✓ Summary of weekly advisor meeting (if applicable/optional)

We updated the advisors with our created issues on the gitlab repository, and discussed the goals for the next week.