

sdmay18-15: Building wireless lab space on a college campus

Week 8 Report

November 2 - November 9

Team MembersAlec Sauerbrei — *Curriculum Lead*Colin Ward — *Communications Manager*Hope Scheffert — *Git/Documentation Manager*Omar Taylor — *Software Design Lead*Tyler Much — *Physical Design Lead*Dalton Handel — *Network Design Lead***Summary of Progress this Report**

The parts list has been sent to the client-advisors for final review. Parts are on track to be purchased before the end of the semester. A second prototype based on Dr. Mani Mina's suggestions has been made and tested. Also, after the team researched the best ways to autonomously send texts and phone calls, the team thinks the best option is to build our own Android application that will fit our needs exactly.

Pending Issues

SDR functionality is continuing to be a problem. The next team meeting will be devoted to sorting this out. Due to other parts of the project and class taking priority, this very integral piece of the puzzle has fallen by the wayside. The team agrees that it must be taken care of before the semester ends.

Plans for Upcoming Reporting Period

The team plans to move forward with the group effort for the SDR. They also will have started with the custom Android app to simulate calls and text messages, as well as compare the test results from the two prototypes to see the strengths and weaknesses of each.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Alec Sauerbrei	Aside from what we did in the meeting, I did not do much else for the project that week.	1	27.25
Colin Ward	Did research on using IFTTT to automatically send texts or make phone calls from within the cage.	2.5	34.5
Hope Scheffert	Continued research for cellular cage traffic. Alec and I looked at/tested a couple of existing android apps to schedule text messages.	2	31
Omar Taylor	Spent the little time I had this week preparing	1	20.5

	to implement OpenBTS on the SDR with Dalton. Our deadline for having this done is by the end of this week.		
Tyler Much	Developed a new revision for the prototype. I added the heavy duty aluminum foil, and then I tested if the prototype performed any better. Documented the changes and wrote up the effectiveness of the new prototype to be later included in our documentation.	2	29
Dalton Handel	Final research before implementing OpenBTS on SDR	1	28.5