

sdmay18-15: Building wireless lab space on a college campus**Bi-Weekly Report 1**

January 12th - January 26th

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

Over the past two weeks, the team has met to figure out and prioritize what needs to be done. The team has also met with the client advisors so discuss the curriculum goals for the project, and collect several shipments of parts. The team also met in the Senior Design Lab to configure the new Raspberry Pi 3s and export a VM for the SDR so build time doesn't get in the way anymore.

Pending Issues

A few items were not received yet from the most recent order. Those being the coax cable for the SDR antenna, and the router.

Plans for Upcoming Reporting Period

The remaining items will be received. The team will also start construction on a larger (and possibly final) version of the faraday cage using a plastic tub as the base. The items will then be able to be tested extensively to ensure the curriculum will function with it.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Alec Sauerbrei	Talked with the client-advisors about parts and expectations. Worked on basic setup of the client devices to be used in the faraday cage.	3	3
Colin Ward	Set up and led a meeting with the client-advisors, and also helped configure the new RPi3s. Scheduled time to purchase the plastic tub for the next iteration of the faraday cage.	4	4
Hope Scheffert	Researched Android Debug Bridge more and tested on Alec's Android phone via USB and adb commands. Wrote bash scripts using adb commands from above to automatically send sms and make outgoing phone calls. Tested on new Android phone we received.	4	4
Omar Taylor	Participated in kick-starter meeting where we	4	4

	recapped on last semesters accomplishments and generally discussed immediate plans for the first few weeks. Participated in meeting with advisors where we discussed necessary parts needed to order for SDR and other devices. Collaborated with Dalton on next steps for SDR for the coming two weeks (shared documentations and previous findings with SDR setup).		
Tyler Much	Spent time finding missing parts. Resubmitted order for parts to our advisors. Took out raspberry pi's and configured the OS and the internet connections. Set up remote access for the pi, and unboxed other components. Began looking for final components for final faraday cage design.	4	4
Dalton Handel	Worked on building and documenting SDR admin VM (keith). Discussed cage design. Meeting with advisors regarding parts and curriculum. I'm anticipating full SDR functionality within 3 weeks.	5	5