

**sddec18-10: Holiday Reverse Programmable Light Strings**

Week 9 Report

April 17 - April 20

**Team Members**Mir Aamid Ahbab — *Electrical Engineer/Microcontroller*Rajiv Bhoopala — *Web Application/Server*Justin Falat — *Android Dev*Aaron Hudson — *Web Server/IPC communication*Michael Scholl — *Android Dev/OpenCV*Robert Tynismaa — *Android Dev***Summary of Progress this Report**

For this week we finished a large portion of the research and early stages of configuration for the server, app, and lights. Once these things were finished, we put an emphasis on completing the final iteration of the project plan.

**Pending Issues**

There are no pending issues for this week.

**Plans for Upcoming Reporting Period**

Mir - No information given.

Rajiv - Prepare for our final presentation, complete the project plan. Also hope to test more of the android virtual machine.

Justin - Preparing for final presentation as well as completing Project Plan. Looking at things to fix on final iteration of Design Document. Complete course evaluation.

Aaron - Preparing for the final presentation as well as finishing the final implementation of the design document. Planning on also finalizing information to set up the PWM controller, if time permits.

Michael - Preparing for our presentation and project plan that ends the semester. Hoping to work on the gui for the android application and possible get more usability to the app.

Robert - Research and add the methods to get camera settings in the Android camera2 API, as well as the methods to lock in the settings in the Android application

**Individual Contributions**

Team Member	Contribution	Weekly Hours	Total Hours
Mir Aamid Ahbab	No information given.	0	21.5
Rajiv Bhoopala	Continued to research how to send byte stream from android virtual machine to web server.	5.5	36.5
Justin Falat	Worked on finalizing Project Plan. Continued	5.5	34

	to research means of accomplishing image subtraction.		
Aaron Hudson	Continued research on PWM controller setup for the raspberry pi to drive the lights. Worked on the final iteration of the project plan.	5.5	33.5
Michael Scholl	Worked to assemble everything we needed to put down on our project plan. Finished getting the IP set for the Pi and we will use the current IP it receives.	5.5	36
Robert Tynismaa	Continued work on implementing freezing of the camera settings and researching the implementation of the YUV to RGB translation, as well as working on the project plan	6.5	39.5