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Project Plan

Outline:

Using 1Sheeld, communicate with a smartphone and a microcontroller to alter LED states via voice activating application on the smartphone.

What has been Completed So Far:

We have extensively read up on the materials, hardware, and references for the project. We also changed our old project idea of using Bluetooth to change motor speeds on a microcontroller to now using 1Sheeld (which uses Bluetooth) to change LEDs.

Goals for Next Several Weeks:

Tuesday April 16th:

Physically set up 1Sheeld and get the communication going between the smartphone, 1Sheeld, and the microcontroller. Also write up Project Preliminary Report.

Tuesday April 23th:

Set up the voice activation application of the smartphone and change the state of the LED’s.

Tuesday April 30th:

Expand and Explore the capabilities of 1Sheeld and see if we can add in sensors to send data to a smart phone in the project. Furthermore, debug any issues and test our final version of the project out. Finally, set up the demonstration to present to the class.