**ECE 445 Weekly Progress Sheet**

**Name:**Eric Meyers and Noah Prince **Partner Names** ----

**Group Number:** 11 **Date:** April 2nd, 2016

**Instructions**: This form is to be filled out on a weekly basis for TA meetings so that your TA can get progress updates and track project development for everyone in your team. This is an individual submission so everyone on your team is personally responsible for filling out the form and emailing it to your TA. You will use these forms at the end of the semester to create an update of your weekly deliverables schedule to compare to your original project execution plan.

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| **Team Accomplishments**  Photoreceiver circuit successfully tested with new laser and voltage regulator from receiver verified to output 3.3V  MSP432 Launchpad received and tested, LED-blink program tested, timers initialized and tested, ADC tested  Photoreceiver circuit integrated with MSP432 12-bit ADC – values received on MSP end | |
| **Team Delays**  Timers on MSP432 not working | |
| **Objectives from Last Week**   1. Establish communication between Linx KH3 Receiver and Transmitter (NOAH) - DONE 2. Order alternative for MSP430 MCU OR get MSP430F2274 flashed using FET Programmer (ERIC) - DONE   -If 1st option taken: Rewrite software to be compatible with new option (ERIC)   1. Solder vias on Friendly Interrogator PCB (ERIC) 2. Solder vias on Friendly Target PCB (NOAH) 3. Test Voltage Regulator on Friendly Interrogator PCB (ERIC) - 4. Test Voltage Regulator on Friendly Target PCB (NOAH) 5. Test Laser Transmitter Circuit on Friendly Interrogator PCB using signal generator (ERIC) 6. Test Laser Photoreceiver with MSP MCU (NOAH) | |
| **Deliverables for Next Week:** | |
|  | Student Weekly Objectives:  Gather photoreceiver values via 12-bit ADC and store in array to analyze  Redesign and submit Friendly Interrogator PCB to include MSP432 Launchpad  Redesign and submit Friendly Target PCB to include MSP432 Launchpad  Verify power circuit design  Connect R.F. Receiver and Transmitter to MSP432 and send/receive values  Connect DIP switch to address lines of R.F. Transmitter and Receiver |
| TA Comments/Revisions: |
| **Remaining Tasks**:  Receive new PCB from ECE Shop and place resistors and capacitors appropriately | |