**Weekly Project Report 10/20/14-10/26/14**

**Dmitriy Leonchik**

**Week 4**

**- Ordered additional parts, (IR sensor, max485 module).**

**- Built initial breadboard circuit for the Atmega328 micro-controller.**

**- Tested and was able to run a sample program on the circuit.**

**Week 5 (upcoming week)**

**- Test IR sensor (make sure its compatible and will work for our application)**

**- Work with teammates to build and test our initial complete circuit.**

**- Start programming of the micro-controller.**

Mike Meza

**As of today i have finished the preliminary schematic for Wednesdays assignment. The only component missing is the CT because we are still trying to figure out if it will work. I ran the ERC and there are no error. I have also done research on the LCD screen and found some tutorial on how to code and connect it to the ATMEGA238.**

**see attached for the eagle file and please review at your earliest convenience. The board layout will be done on Tuesday.**

Jose Aguilar

**As of today 10/26/2014**

**I got the data sheet for the CT along with some few calculations such as thermal reading and looked up some information about alternatives. Jordan was not here all weekend and need his approval on the build. I will have no choice but to start the build without him. I hope to continue the LTspice schematic of the CT to a rectifier. PLEASE NOTE WE SHOULD LOOK INTO THE**

EmonTx Arduino Shield!

Rob Newcomb

**As of 10/26/14**

**I have created a rough draft of the PDS for the Thermal Monitoring System and sent it to the team to review. I have taken reviewed copy and modified it as needed for submittal.**

**I have Researched CT's and found the datasheet for the CT that we will use. I have researched arduino code that may be used in our project to monitor the voltage from a CT. I have also read over the Atmel mega328 datasheet on the parts pertaining to the ADC connection (still need to read more).**

**I have found out how to load any type of document onto GitHb and created a simple instruction set that I posted onto GitHub under the information repository.**