Work Completed:

During the week since the last report, the dimensions of the case and case material have been identified and purchased. In order to figure out the dimensions and layout of the case, the dimensions of the linear actuator, driver, keypad, display, and circuit board had to be determined. Once these dimensions were determined or estimated the design of the case could be formed. In order to get a better idea of the size and dimensions a cardboard model was made to make sure everything fit and to have a model in which to make drawing for machining. The drawings were drawn in Microsoft Visio. The thickness of the Plexiglas originally planned was to be a half inch thick but in trying to find a vendor half inch thick was more expensive than planned, so we went with 3/8 in thick Plexiglas which is suitable for our application and design. The 3/8 in Plexiglas was purchased from Mansfield Supply.
During the week the timeline was updated and tasks referenced to a member of the team. I also worked on updating final report. The new case pictures were added along with information regarding the linear actuator, decoder, driver, the microprocessor program, new budget and timeline.

**Current Status:**

During the last day of this week, the final report was reposted and updated. Finalized the pictures in Visio making sure the dimensions are accurate to the model and design. Also updated my journal for week 2 and printed the necessary pictures for the design.

**Future Work:**

During the next week, plans are to start cutting the Plexiglas and begin milling the edges of the Plexiglas after it is cut. Continue to help other team members with microprocessor and circuitry.

**Project Review:**

This week we met our goals for determining the dimensions of the case and the coming up with a design of where each component is to be located. Also, completing the goal of having Visio drawings of the case for the final report and for machining purposes was reached.

**Hours Worked:**

Number of hours worked this week was 25 hrs.