1. Project Identity.

Team # 1: Head and Arm Mounted Art Design System, Week #1 and 1/29/07
NEMI KOTADIYA

2. Work Completed.

During the first week of senior design class, team 1 was waiting for all the parts to arrive. Parts like the gooseneck, speedometer cables, and the soft switches arrived. Team 1 utilized all the time that was available by analyzing each part that was received. The gooseneck that was received was considered carefully. Since the team realized that it weighed heavy, it was strapped on to Becky’s hand so that the weight could be experienced in reality. This was a good practice because it was soon realized that the weight is not felt as much when it is distributed along the radius/ulna bones.

The gooseneck was examined further and it was soon realized that both ends were blocked. Using a rench, Nemi tried to remove one of the ends and was successful. However, the other end was fixated into the gooseneck and it was decided that it needed to be taken to the machine shop for some professional advice on removing the other part.

The wrist guard for the arm component of the project needed to be ordered. But before that a couple of things needed to be clear. The team needed a “one size fits all” wrist guard that is waterproof, breathable and strong. To make sure that team 1 had the right wrist guard, Nemi called the Colonial Medical sales representative to ask them about their product. It was confirmed that this wrist guard was the one which best fit the requirements of team 1.

Nemi spent a substantial amount of time in getting the website running. This included converting some reports of last semester from word to PDF format. Links were made for each weekly report so that only an uploading was required once they
were all ready. However, there were some challenges that were faced during this process because the server was not uploading some of our previous material. After a couple of tries, Nemi decided to consult the E 2 technical support staff.

3. **Future Work.**
For the next week, Nemi is planning on getting the website to work on full functionality and have every document up to date on the website. This is very important because Dr. Enderle and Bill need to follow our project closely and reading the website is the most efficient way to do so.

Nemi also anticipates on receiving more parts that have already been ordered so that we can further analyze our project and make necessary changes. As a group we also plan on ordering the fiber optic sensor after doing some extensive research on the exact part that is needed. This is because it is the most expensive part of the project and needs particular attention.

For the gooseneck, the other end that was blocked, also needs to be removed by the next couple of days so that tests can be performed on the gooseneck.

The speedometer cables need to be analyzed because Nemi thinks that there may be need for one more of the cables since the motor is going to be close to the ground. This will also require extra insight about how to possibly join two of the cables.

4. **Project Review.**
So far the project seems to be going in a very smooth manner. This is because I am getting full cooperation from my team members. Our objectives have been met for this week and I look forward to doing the same next week. Our schedule is outlined in our timeline.

5. **Hours Worked.**
In the lab, Nemi worked for 9 hours. Outside lab, 2 hours.