

## **PROJECT PROGRESS REPORT**

### **Introduction**

We have made steady progress on the dates we have set so far. As we stated in our project plan, we started our research on 13 May. Contrary to the plan, our investigations took longer than expected. Except for the research of electric motors in item e in the research section, other research items were completed on Thursday, May 19th. Due to the glitch experienced, it was a few days late for us to move on to the simulation step.

### **About the Organization**

First we did the oscillators and equation calculations. We finished the AC modulator and demodulator thanks to the tip we got in the electrical class last week. We started the phase of drawing the circuit diagram into simulation on May 20th, a little later than we planned. A friend of ours got sick due to the combination of season change and midterm fatigue and could not contribute fully to the project schedule. While this will cause us a few days of delay, it's okay if the simulation production end date goes as planned. In general, in our business plan, only the research of electric motors remained from the research stages that had to be done so far. Since we made the filters in the project, we looked at what kind of filters we could use to remember them and shared them with each other. Right after the filters, we learned more about converting AC to DC as we did in Project 1.

### **Summary/Comments**

In summary, we worked with great devotion while carrying out the stages of the project. We carried out our work in parallel with the planned dates in general. As one of the factors that facilitated our research, we got information about the circuit and the AC modulator-demodulator from our electrical professor. What we learned about group work was that even one group member could not work efficiently enough, which had a significant impact on our plans. After the last updates, we got a new group mate to reduce the quality and workload of our work, with the 4th person being added to the groups.