Memorandum

To: Dr. Song
From: Aaron Blosser (CM 1832), Martin Harrison
Date: May 15, 2002
Re: Progress Report

Current Status

Currently our project is going fairly. We have been able to stay on time for the most part with a few delays here and there, but we were able to make up and fix them to keep on track. We are probably around 75 – 80% done with the project, which we are feeling fairly confident about yet.

Work Completed

The following is a list of things that have been completed so far:
1. Obtained Materials for car and sensor
2. Tested car and its motors to see how they responded to stimulus
3. Implemented the 3 states (forward, turn, search) in code.
4. Tested the 3 states successfully with the hardware.
5. Combined the states into one working program.

Current Work

We are currently working on 'tweaking' the software to get the car to move, turn, and search for time intervals that seem to maximize the efficiency of the car following an object.

Future Work

The following steps remain:
1. Connect the PIR Sensor to the circuit and configure it to work properly with possible changes in code.
2. Finish testing the entire working circuit with PIR sensor.
3. Complete documentation (code documentation is already completed).

Red Flags

Our only real issue that we see remaining is powering the PIR sensor. Currently it is a 9V battery, but after about 15 minutes of use or so the battery doesn't provide enough voltage to power the sensor (needs 9V min).