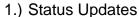
Memorandum

To: R.M. Schafer

From: **Smart Windows**

February 25, 2010 Date:

Subject: Meeting 7 Minutes



- a. Light Sensors: Kelley
 - i. Great progress on A/D convertor
- b. Wireless and Microcontrollers: David
 - i. Real time clock is working
 - 1. Demoed with new smaller LCD screen
 - ii. Will interface microcontroller with PC for demo
 - 1. Microcontroller will report back temperatures to PC
- c. Remote Controls: David
 - i. LCD demo counts time. Looks great.
- d. Motors: Tommy
 - i. Using the current sense pin to look for motor stall
 - 1. Ready to interface with A/D converter
 - 2. Reliable measurement for sensing stall have been taken
 - ii. Tommy has physical buttons hooked up along with microcontroller connections
 - 1. Debouncing in software
 - a. Capacitors?
- e. PC software: Andy
 - i. Taking a break from PC software, helping where necessary with other things
 - ii. Working on UML Software design chart
- f. Batteries: Tommy
 - i. Motor runs from 4.2 to 6V
 - 1. Considering using 6 batteries instead of 4
 - 2. Works great
- 2.) Demo
 - a. Anything that affects board design
 - b. Software we can change later
- 3.) Low Level Design
 - a. Due Thursday
 - b. Template is online
 - c. Meeting to do EAGLE work this next Monday (and probably Tuesday and Wednesday)
 - d. Considering putting antennae onto board
 - i. Easier to fit into end-package?
 - ii. Alternatively, could use Schafer's Zigbee module





