

## Meeting Minutes

Wednesday, January 31, 2007

- We have discussed and outlined what is left to do with the project. It is broken down below:
- Our current aim is to have a basic “complete” presentation ready to demonstrate to our advisor and other stakeholders by February 15<sup>th</sup>.
- We have concluded that we are on track to achieve this.
- Code to command the mote on the robot to begin its I2C communication protocol needs to be finished (Hamdi and Patrick plan on finishing this tomorrow)
- Testing the wheel encoders on the robot
  - Currently there seems to be a power drain issue as the current is not strong enough to operate both wheel encoders together
  - Tyson is working on a solution to this and will test it, possibly buying another voltage regulator
- A multihop routing protocol has already been implemented by TinyOS, we would like to eventually use this instead of the basic version we have made ourselves and are currently using. Doug will be perusing this by writing a simple program to test the interface of the multihop program.

## Future:

- After/during the reading the reading week the following will be addressed as decided upon in this meeting:
  1. Research how we may be able to transfer pictures across the network, currently we are simply using temperature information.
    - a. If this can work begin implementing it
    - b. If we deem this will not work, think of ways to make the temperature information more interesting (Possibly a GUI component like a thermometer) or look at other onboard sensors.
  2. Test/implement other dynamic algorithms for finding the hole.
  3. Begin working on the final report and poster.