ET NavSwarm Weekly Progress Report

Goals for Last Week:

- Bot Design Teams refine prototypes.
- Work out bugs with Arduino to Pi. Possibly finish if everything goes according to plan?
- Continue to refine barometer outputs.
- GPS to start working with Arduino to Pi on transmitting sensor data.
- GPS and Pressure sensor prepare presentation.

What got done:

- GPS and Pressure Sensor presentations.
- GPS has decreased time to find location, code for new coordinate system started.
- Both prototypes are finished, with price sheets.
- Obtaining the heading from IMU was worked on, not finished yet. Calibration code has been implemented.
- PI motor controls development started.
- Attempted to connect XBee's to Pi, but having difficulties with Pi's.
- Optimization of Arduino to Pi code.

Goals for Next Week:
- Prepare for ME 755 presentation on Thursday, November 29 at 2:30pm.
- Continue to refine bot design. Create engineering drawings for manufacturing.
- GPS continues to work on new coordinate system. Start moving data from GPS to Arduino and Pi.
- Continue working on IMU heading.
- XBee continues to learn about Pi integration.