EXECUTION PLAN

WEEK 7 - INITIAL PLANNING, PART ORDERS

Tuesday - Parts should be ordered in order to avoid waiting around. Time should be spent reviewing datasheets and implementation code examples for the parts involved.

Friday - A more concrete plan should be developed for how the parts are going to fit together (i.e., a circuit diagram should be drafted for review during Week 8). Pseudocode is an option for blocking out how the system will function at that time. Flesh out desired functionality of the system.

WEEK 8 - SYSTEM ASSEMBLY AND CODE FRAMEWORK

Tuesday - If parts have arrived, have circuit & systems at least partially assembled for demonstration at that time. At the very least demonstrate circuit diagram / pseudocode or high-level program flowchart. Begin developing SMTP and IMAP libraries.

Friday - Core feature set should be mostly implemented (measure soil sensor moisture level, transmit results to communications module (some variant of wifi shield, TBD).

WEEK 9 - CODEBASE REFINEMENT, BUGFIXING

Tuesday - Core feature set should be demonstrated or explained depending on progress state. Priority this week should be fixing bugs and implementing “stretch” features like battery life reports, power-saving modes, etc..

Friday - Finish development of SMTP and IMAP libraries. Should be able to send basic status messages via SMTP. Should be able to receive configuration updates via IMAP.

WEEK 10 - FEATURE FREEZE, CONTINUED BUGFIXING

Tuesday - No new features should be implemented at this time unless there are no bugs left to fix, in which case implementation of “stretch” features may continue.

Friday - Project should be completely finished so there is time to work on presentation, paper and final demonstration.

WEEK 11 - PRESENTATION