Murfin ECEN3753 Project Scoped Work List

Green highlight means complete

Yellow highlight means partially complete

1. Basic Project Planning (Design Unit Test Plans, Task Flow Diagram) = 3.17hr (actual 3.33hr)

2. Gain full understanding of LCD graphics display, since it is the only big “unknown” in this project to me as far as proper implementation. = 4hr (done ~20% in actual time = 1.5hr (should be 0.8 hr))

3. Prepare Base Code Project (General file & library architecture, instantiate OS objects, write foundation for all tasks and ITC, etc.) = 5hr (actual 7hr)

4. 1st iteration of write code for unit tests, with comments where unable to fully implement yet = 4hr (actual 1hr)

5. ***NEW*** Gain full understanding of physics calculations required to implement inverted pendulum. Added because I am now realizing this is risky. = 2hr

6. Write functional code with everything necessary to implement unit tests, add functionality to unfinished unit tests where possible. = 10hr

7. Run unit tests until successful, debugging, figuring out stuff, and implementing still unfinished tests = 10hr

8. With all unit tests complete, complete code to fulfill project functional requirements = 8hr

9. Clean code for readability/best-practices/doxygen/nice macros etc. = 1.5hr

10. Complete any final analysis work such as Systemview timing or power consumption = 3hr

TOTAL = 46.5hr