Murfin ECEN3753 Project Scoped Work List

Green highlight means 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 (actual 2.5hr, ~20% at 1.5hr was done previously)

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. Gain full understanding of physics calculations required to implement inverted pendulum. Added because I am now realizing this is risky. = 2hr (actual 1hr)

6. Write functional code for physics, add functionality to unfinished unit tests where possible. = 10hr (~50% done in 7hr)(last 50% done in 8hr)

7. Complete 1st draft of functional code = 10hr (~95% done in 9hrs)(last 5% done in 2 hrs)

-Add math and LCD libraries, LCD functional code

-run functional tests

8. Complete code to fulfill project functional requirements = 8hr (done in 3hrs)

9. Clean code for readability/best-practices/doxygen/nice macros etc. = 1.5hr (done in 0.5hr)

10. Complete any final analysis work such as Systemview timing or power consumption = 3hr (actual 2.33hr)

TOTAL = 46.5hr

ACTUAL = 46.66hr