ECE 561 Project 4 Report

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# Summary

Table showing execution time at each stage, and brief description of optimizations applied, for example:

|  |  |  |
| --- | --- | --- |
| Stage | Brief Description of Optimizations | Execution time |
| Base Code | No optimization; LED glows all the time | 8 sec |
| Optimization 1 | Introduced Delay to reduce blinking time for 2 Hz. | 20 sec |
| Optimization 2 | Shifted tilt functions to IRQHandler | 45 sec |
| Optimization 3 | CLOCK SETUP changed from mode 1 to 2 | 115 sec |
| Optimization 4 | ShortDelay instead of Delay to dim the brightness of glowing LED and enabled Low leakage stop mode | 145 sec |
| Optimization 5 | Removed the yellow light at startup | 151 sec |
| Optimization 6 | Introduced sleep mode using \_\_wfi and enable-disable clock to PORT B | 925 sec |