

EWU IEEE

Sorter Project Meeting

Sunday, August 9th

Participants: Jaidon, Cody, Matt, Dave

Itinerary

1. Intro – 10 minutes
 - Went right into MISRA stuff
2. MISRA Overview – 5 minutes <https://www.sr-ix.com/Code/misra-c-2004.pdf>
 - Determined that we need a supplementary style guide
 - MISRA leaves this open to the company – style for layout, spacing, naming, etc (See MISRA Section 4.2.2)
 - Choose a company to use as an example? Make our own?
 - Linux
 - Big companies
 - Choose a guide that covers the most industries
 - Or choose one that works best for us/is easiest
 - We can always modify one we choose
 - ARM 4 specifics? Check TI guidelines?
3. ReadTheDocs discussion – 5 minutes
 - briefly described, <https://readthedocs.org/>
4. Open Discussion – 10 minutes
 - Discussed Python programming – for EENG 470
5. Team Status Reports – 15 minutes (~5 minutes each)
 - Mechanical Design
 - Fixed passageways that were too small for Skittles
 - Made a sensor mount
 - Sensor Team:
 - Tuning Image Processing Algorithm
 - Will set up better test bench for Image Processing
 - Motor Control Team:

- Made Motor Controller code portable for multiple motors on one board
- IDE/toolchain issues

6. Status report Memo discussion – 10 minutes

- We want to have a concise professional memo format for presenting our weekly progress. Similar to short lab write-ups or professional memos. (Technical writing experience)

7. Closing Thoughts – 5 minutes

- We will get ReadTheDocs implemented this week
- We also need to choose an IDE for C programming (VS Code, Code Composer, others?)
- Working on TM4C toolchain setup tutorial
- Looking C Style Guides (from companies or general templates)