EWU IEEE

Sorter Project Meeting

Sunday, August 9th

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)