**Project Hazard Control- For Projects with Medium and Higher Risks**

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| **Name of Project: Matlab Engine** | | | | **Date of submission: 12/4/2020** | |
| **Team member** | | **Phone number** | | **e-mail** | |
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| **Rewrite the project steps to include all safety measures taken for each step or combination of steps. Be specific (don’t just state “be careful”).** | | | | | |
| Safety measures (for both Worksheet 1 and 2) and responses were researched and necessary information was retrieved from OSHA guidelines as a primary source. A secondary source used was IEEE.  Soldering: For copper to copper contacts (or equivalent), keep ambient temperature below 40℃ [1]. Turn on vent fan; ensure soldering iron is held away from self; solder carefully; Place Soldering iron in mount; turn off soldering iron and vent fan.  Coding: Sit up straight, ideally with lumbar support; keep the computer screen an arms length away from face and with the top of the monitor just below eye level [2]; head and neck balanced [2]; elbow support [2];wrists and hands in line with forearms [2]; ample room for keyboard and mouse [2] (if applicable); feet flat on the floor [2]; take an eye break every 20 minutes; take a short walk every hour to keep blood flowing.  [1]<https://standards.ieee.org/standard/22A-1962.html>  [2] <https://www.osha.gov/SLTC/etools/computerworkstations/index.html> | | | | | |
| **Thinking about the accidents that have occurred or that you have identified as a risk, describe emergency response procedures to use.** | | | | | |
| In the event of a minor burn, emergency services need not be contacted. Cool water can be applied, and dry covering should be applied [3].  For more serious burns, 911 can be contacted to have an ambulance transport the injured to the hospital for treatment.  All accidents or injuries that occur in the lab should be reported to Dr. McConomy.  [3] <https://www.usfosha.com/osha-articles/workplace-burn-prevention/> | | | | | |
| List emergency response contact information: | | | | | |
| * Call 911 for injuries, fires or other emergency situations * Call your department representative to report a facility concern | | | | | |
| Name | Phone number | | Faculty or other COE emergency contact | | Phone number |
| **Debra LaFever** | **(561)201-1115** | | **Dr. Shayne McConomy** | | **(850)410-6624** |
| **Sarah Kittredge** | **(941)740-4069** | |  | |  |
| **Annette Peterson** | **(850)803-2304** | |  | |  |
| **Alice Wozny** | **(480)326-4607** | |  | |  |
| Safety review signatures | | | | | |
| Team member | Date | | Faculty mentor | | Date |
| **Austin LaFever** | **12/1/2020** | | **Dr. Shayne McConomy** | |  |
| **Patrick Marlatt** | **12/1/2020** | |  | |  |
| **Frederick Peterson** | **12/1/2020** | |  | |  |
| **Jonathan Wozny** | **12/1/2020** | |  | |  |

**Report all accidents and near misses to the faculty mentor.**