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

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| **Name of Project: RE-RASSOR Phase II** | | | | **Date of submission:** | |
| **Team Member** | | **Phone Number** | | **E-mail** | |
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| Joseph Vogl | | (954) 232-8385 | | jcv17b@fsu.edu | |
| **Faculty Mentor** | | **Phone Number** | | **E-mail** | |
| Dr. Carl Moore | | (850) 410-6367 | | camoore@eng.famu.fsu.edu | |
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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”).** | | | | | |
| For tensile testing of PLA, members of the group will wear appropriate attire for the lab, which includes closed toe shoes, long pants, tied back long hair, and jewelry will be taken off if it poses a risk of getting caught on anything. Furthermore, proper PPE will be worn during the tests and all tests must happen under the supervision of Dr. Campbell. When 3D printing, all members will wait for the nozzle to cool down before removing parts from the printing bed. However, if something needs to be done to the print bed or the nozzle while it is powered on and hot, the member must wear hot gloves. When post-processing 3D printed parts, members of the group will wear safety goggles, hot gloves, and lab attire. While using a soldering iron, each member will wear safety goggles, appropriate lab attire, and insulated gloves to prevent an accidental burn or shock. Since this project deals with lifting heavy weights, a procedure will be followed to safely lift the weight without causing strain and harm to the user or others around them. Wiring the Arduino will require a power source where all members will ensure the voltage provided by the power source does not exceed the capacity of the Arduino or motor. If 3D printing of toxic materials were to occur, all members are to wear proper lab attire, PPE (which includes a mask, gloves, and safety goggles). Additionally, the material will be properly ventilated and disposed of. While assembling the gearbox all members must wear lab attire and proper PPE, which includes safety goggles. For this project, the use of glue or epoxy may be necessary, and if used, all members again must wear proper lab attire, and proper PPE, which includes gloves and safety goggles. In the case that a power drill is used, all members will wear lab attire and safety glasses or goggles. | | | | | |
| **Thinking about the accidents that have occurred or that you have identified as a risk, describe emergency response procedures to use.** | | | | | |
| In the case of getting debris or other material in an eye, team members will rinse their eyes with water in a wash station. In the instance that the user burns themselves with the soldering iron, depending on the severity of the burn, the user will rinse their burn with lukewarm water and will apply burn cream. If the severity of the burn is high, the member will seek medical attention. All other injuries related to using tools such as the power drill, glue, and 3D printers will be evaluated; if there is small injury, a first aid kit will be utilized. However, if it is a more severe injury, members will seek medical attention. | | | | | |
| 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 Emergency Contact** | | **Phone Number** |
| Morgan Causey | (601) 940-0750 | | Dr. Carl Moore | | (850) 410-6367 |
| Megan Kimsey | (813) 368-4436 | | Dr. Shanye McConomy | | (850) 410-6624 |
| Ibrahim Nabulsi | (850) 405-4212 | | Jared White | | (561) 768-3722 |
| Gissel Reynoso | (863) 651-4688 | |  | |  |
| Joseph Vogl | (954) 232-8385 | |  | |  |
| Safety review signatures | | | | | |
| **Team Member** | **Date** | | **Faculty Mentor** | | **Date** |
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**Report all accidents and near misses to the faculty mentor.**