

Team Name: sddec21-11

Team Members: Colin Firth, Tary Todd, Aaron Martin, Chris Johannsen, Dale Young, Addison Ulrick

Report Period: Mar 28-Apr 11

### **Summary of Progress in this Period**

- Continued rewriting C# code into MatLab
    - Started developing a GUI for the Slicer program
  - Tested MATLAB COM functionality.
  - Read documentation on VXM commands
  - Modification of Arduino Sensor Code
  - Continued work on Design Document v3
- 

### **Pending Issues**

- Training for lab equipment will be needed at some point in the future
  - The previous groups used some unintuitive obfuscation in their C# code. Prof. Bigelow gave us the contact information for an undergrad who spent some time documenting and commenting the code.
  - Communication with the COM Port needs to be done via LabView instead of MATLAB due to issues with running the provided 32 bit DLL.
  - Lab Computer stopped working and needs to be replaced.
  - Acquisition and in-depth understanding of oxygen sensor
- 

### **Plans for Upcoming Reporting Period**

- Continue to review and understand the source code and the project overall.
  - Continue to refactor the source code and convert from C# to MatLab.
  - Finish developing the Slicer GUI
  - Create a Gcode Verification Program
  - Implement functionality to add defect
  - Update Website
  - Create news report
-