

Team Name: sddec21-11

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Report Period: Apr 11-Apr 28

Summary of Progress in this Period

- Continued rewriting C# code into MatLab
 - Started developing a GUI for the Slicer program
 - Continued MATLAB COM functionality. Code now communicates with the motors
 - Read documentation on VXM commands
 - Read documentation on SPI laser commands
 - Modified Arduino Sensor Code
 - Finished work on Design Document v3
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Pending Issues

- Training for lab equipment will be needed at some point in the future
 - Acquisition and in-depth understanding of oxygen sensor
 - Motor step sizes need to be verified and tested
 - Voxel generation needs to be tested in depth
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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 defects to metal cubes
 - Update Website
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