

Team Name: sddec21-11

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

Report Period: Mar 14-Mar 28

Summary of Progress in this Period

- Continued rewriting C# code into MatLab
 - Finished writing function to create gcode for an infill voxel pattern (rasterized 0 degrees)
 - Finished writing function to create gcode for an infill voxel pattern (rasterized 90 degrees)
 - Finished writing function to create gcode for multi layered cube
 - Started developing a GUI for the Slicer program
 - Tested MATLAB COM functionality.
 - Read documentation on VXM commands
 - Modification of Arduino Sensor Code
 - Submitted third lightning talk
 - Continued work on Design Document v2
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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.
 - The COM port functionality needs to be reviewed so commands can be sent properly.
 - Acquisition and in-depth understanding of oxygen sensor
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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
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