

MEMORANDUM

TO: BioDesign Instructors

FROM: Team 3 (Robin Cross, Aimee Lam, Patrick Stevenson, Rachelle Walter)

DATE: May 5, 2016

SUBJECT: Milestone 8

As of May 5, 2016, Team 3 has completed milestone 8 of the 3D Bioprinter. The objective of the milestone was to bioprint a basket weave square of gelatin for twenty minutes; in order to do so, the settings in Git, NERDTree, and Vim were manipulated to generate the print pattern that was contained in the User Interface.

While some members of the crew were dealing with software and the various aspects of the bioprinter assembly, the others occupied themselves with Solidwork drawings and the engineering documentation, as these components were integral to the final submission packet on Github that will be due in the following week.

The main problem that occurred during the attempts to print the basket weave was the intense heat emitted from the bioprinter - the printer would stop functioning halfway through. It was speculated that the extreme heating of the heat sensor was the cause of this; thus, the bioprinter was left to cool down before driving it again...

Like Milestone 7, no build instructions were required for this final milestone, so this memo is the only submission component you will receive. As always, we look forward to hearing from you about any suggestions you have for us.

Sincerely,
Team 3 (Green Crew)