To: OBC Committee

From: Viking Robotics Society

Subject: Robot Arm – Progress Report

**Dear OBC Committee,**

The following letter is to report on the progress of the Robot Arm project that is due at the end of Spring

term 2020.

**Introduction**

On November 01, 2019, we have submitted the project proposal for designing a Robotic Arm for the

Viking Robotics Society. Upon receiving approval for the project, we have immediately started working

on designing the CAD model and planning for the project. The goal is to build a fully functional robotic

arm that can draw and write from human user input. The project is currently being worked on by the

members of VRS until the final submission.

**The Background**

VRS does not have a working robot that is designed and programmed by the members from scratch. All

of our previous projects have been from pre-built kits. We currently have several members who are

seniors and very invested in learning more about robotics. This project is initiated to give the members the

opportunities to learn more about the engineering design process and nurture a new generation of new

members about project management and teamwork. This project will also give the club something to

show off that is of our own design.

**Work Completed**

We have completed the second iteration of the arm design and we are currently printing out more parts to

start the assembly. We have also received several servos and parts that we ordered. A team is currently

working on the communication and electronics of the arm. We have also been in constant contact with the

Agile and Adaptive Robotics Lab graduate student to get help with the technical and challenges that we

encountered in the process.