

Memorandum

To: David Trevas

From: Sumo Robot Team- D, Rene Diyarza, David Feetterer, Yousef Alghareeb, Jose Villegas

Date: 9/16/2016

Re: ME 476C

Team D would like to propose a robot under the *art* category, and that specific robot would be to bartend also known as artbot - bartending. The robot should be able to prepare any mixed drink that includes one mixer and one spirit. Competitors would be scored on aesthetics, style, delivery, and versatility. For aesthetics, the robot would be scored whether it looks good and appealing. Style, the robot will be judged if it can make the drink in style. The robot will also be scored on whether it can deliver the drink after it was made. Lastly, the robot is also being scored in how many different drinks it can make, with a martini being the minimum. A 1-10 scale will be used for the aesthetic and style category while the other two can be judged freely but equal to every group.

The motivation to proposing this particular competition is for the reason that every group can be creative in their own way. We will all have the same task to complete but it can be done in many different ways. This is where creativity comes in play because the team can have fun creating their own robot that bartends integrated with their own ideas. But also, the team feels like the judges can have a good time judging the robot as well as tasting the drinks.

By allowing teams to participate in this competition, it not only prompts creativity but breaks the flow from the other competition. The main project is the focus of the CAPSTONE; this side project will allow teams to compete in another field of robotics in rather than combat. Instead of combat, teams will have to concentrate on creating a robot that is capable of handling drinks but also leave a lasting impression on the judges. This will provide teams a different type of challenge as in creating a *performance*.