Project Description:

The Gravity Cruisers’ project is to design an off-road longboard that is electrically powered. This project aims to advance the longboard’s transportation abilities to the next level by being capable of traveling on various surfaces including snow, grass, gravel, and dirt, while also being able to transport riders on paved trails and unpaved trails. Due to the various situations that this longboard will be utilized, it will need to be designed in a way that it is very durable. It will be able to withstand hot and cold conditions and operate without dirt or water compromising the electrical and mechanical components of the longboard. This project was chosen to help fill a gap in the current longboard market where electric longboards are becoming more common.