

## **IC-Team #22010**

### **Abstract:**

The object of this project is to use the Veo e-scooter route data and campus sidewalk digital maps provided by DOT to identify the top three areas that are most traversed by Veo e-scooter users and find out any special patterns e-scooter routes happening on UMD campus.

After analyzing the data via ArcGIS, we found out the top three infractions areas located as follow:

- Bridge to Varsity – Brendan Iribe/Wind Tunnel Building – William E. Kirwan Hall
- Geology building – HomeBake Library/ Teaching Center
- Right routes of the Mckeldin Mall

From the heat map, it also shows that Veo e-scooter seems to mainly ride in the same areas in September and November. Most of the routes are concentrated around academic buildings or libraries while a big part of people rode the Veo e-scooter near the Stadium. However, if we look at the total count of the infractions compared these two months, the infractions count actually decreased a lot from September to November.