CIVIL AND ENVIRONMENTAL ENIGNEERING DEPARTMENT

GOALS & OBJECTIVES

Goal #1:

Enhance parking locations for micro-mobility solutions to achieve better accessibility and equitable distribution of resources for the varying needs within the University of Maryland, College Park campus

Objectives

- Increase the number of parking spaces for high-traffic bicycle/micro-mobility parking zones on the University of Maryland, College Park's campus
- Increase satisfaction among students, faculty, and visitors regarding the aesthetic, ease of access, and availability of bicycle parking spots within parking zones

Goal #2:

Strengthen security and convenience of bicycle parking locations for students, faculty, and visitors

Objectives

- Increase real-time availability tracking and smart locking mechanisms through the conceptualization of a mobile app that introduces additional safety features
- Increase security by mitigating theft within parking zone infrastructures by at least 20%

LOCATION SITE IMAGES

Glenn L. Martin Hall



McKeldin Library











collecting and analyzing data that we collect from observing each parking zone throughout different hours of the day.





Bicycle Parking Allocation on Campus





