

Written Deliverables:

1. Our project was based on the Electric Vehicle charging stations on campus, where we organized information pertaining to their proper installation and usage. Previously, chargers were installed without regulating guidelines, and some drivers were misusing the charging stations. To alleviate these problems, we created a facility standards document outlining specifications and recommendations for charger installation, as well as a charging station etiquette sheet for drivers to reference. We collaborated with University of Illinois Facilities & Services as well as the Parking Department. The facility standards will be used to regulate future installations of EV chargers, and the etiquette sheet displayed at the charging sites will encourage proper usage and courtesy to other drivers.

2. Biggest takeaway from the GFX Scholars program:

Riya:

My biggest takeaway from being part of the GFX Scholars program is probably finally getting the experience of working with a real client and carrying out a project where our results aren't just hypothetical. I've had the opportunity to work in a project based class like this one before, however, our final results or products were just hypothetical and weren't used the way they are going to be in this project. The program has really shown me that even though I'm a freshman, I can make a difference and apply my skills now.

Chikako:

My biggest takeaway from the GFX Scholars program was learning to engage in multiple perspectives while collaboratively solving problems. Having the opportunity to travel to Costa Rica was invaluable because I saw firsthand how students and organizations in another country were helping the environment, and the knowledge that I gained inspired me to work on sustainability initiatives on campus. It was rewarding for me to work on a project with tangible results because I felt that I was able to apply my newfound passion for sustainability to solve a real-world problem, working with people from other departments and majors.

3. Explanation of Deliverables:

One of our submissions is a facility standards document for Electric Vehicle charging stations on campus. The document outlines the proper way to install a Chargepoint station (Chargepoint is the company that U of I gets their EV Charging stations from). It also had scaled mode drawings of a EV Charging station and measurements pertaining to installing the stations.

The other submission is an etiquette sheet for drivers who are using the EV charging stations. The sheet is meant to be posted on the charging station, so that drivers are well informed on their usage and are respectful and courteous of the equipment and other drivers.