Engineering Projects in Community Service
EIC Solar Energy & Weather Interactive Data Display

Project Goal
In this project, the student team will develop a web-based dashboard application to accompany the solar panels installed at the Engineering Innovation Center and provide users with data:
- Track hourly/daily/weekly harvested and stored solar energy
- Track hourly/daily/weekly solar energy utilization by EIC
- Track hourly/daily weather data on temperature, humidity and wind
The application would be required to retrieve the solar energy & real-time weather data from the ENVOY gateway sensor (already installed at the EIC) via various application programming interfaces (APIs).

Impact on Community
This project impacts the community positively by enabling the Engineering Innovation Center to utilize green energy usage and drive their efforts to saving energy.

Desired Majors
Computer Science, Computer Engineering and students from all other majors with relative experience.