



Student Sustainability Committee
Funding Award Letter



February 22nd, 2024

Project: SegBin by TerraVortex

Aaditya Voruganti,

The University of Illinois Urbana-Champaign Student Sustainability Committee (SSC) is pleased to inform you that your project has received approval from the Institute for Sustainability, Energy, and Environment (iSEE), and the Vice Chancellor for Student Affairs.

The Student Sustainability Committee is proud to award **\$3,186.14** in grant funding for SegBin by TerraVortex.

In order to remain eligible for this award, you agree to the following conditions:

1. The project must be completed within two years of the funding awarded. A final report of all work completed, a full list of expenditures, and a detailed sustainability impact report must be provided to the SSC Advisor by **02/15/2026** or project completion.
2. Project status updates and detailed account statements must be provided at the end of each semester until the project is completed.
3. The Primary Applicant will be the individual responsible for all official communication and the execution of this agreement.
4. The Project Unit Financial Contact must submit the prescribed FPI form for the assignment of a Chart, Fund, Organization, and Program code (CFOP) within four weeks of receipt of this letter. The CFOP established for this award shall strictly be used for the awarded funds of this proposal.
5. Any substantial modifications to the project must be submitted within a scope change form, including alterations to the budget, timeline, project lead, and project direction. A majority vote of the SSC must approve scope changes.
6. All projects are expected to follow university policies and procedures as well as any applicable local, state, and federal laws.
7. SSC reserves the right to revoke funding if the project does not comply with the terms and conditions outlined in this letter.
8. Any press releases or educational/promotional materials involving the project must acknowledge SSC funding.
9. Any marketing, including but not limited to advertising, signs, and digital ads, involving the project or events surrounding this project must include SSC's logo and/or a statement of which fee funded the project. Projects must coordinate with SSC to ensure promotion appropriately highlights the SSC's contributions to the project.

Project: SegBin by TerraVortex

Funding Source: SCEF (303692)

Funding Requested: \$3,186.14

Funding Allocated: \$3,186.14

Primary Unit of the Project: Facilities and Services

Unit Financial Contact: Mike Alsip

Project Description:

Improper waste segregation poses significant environmental and financial challenges. Students often neglect to separate waste correctly, leading to damaged recyclables, increased landfill waste, and the labor-intensive task of sorting improperly discarded waste. This issue extends beyond universities, indicating a larger problem with waste management globally. The current approach of replacing traditional single-bin systems with costly three-bin recycling bins has improved diversion rates but falls short of expectations. Financial burdens arise from the need to hire workers for manual waste sorting. To address this problem, SegBin developed a cost-effective solution that ensures minimal damage to recyclables by sorting waste at the point of disposal.

Project Category:

Food & Waste

This proposal directly funds:

1. Raspberry Pi 5 8GB with case
2. 8020 25 Series Aluminum Rails, T-nuts, m6x10 hex screws
3. 13.3 Inch Displays, IR Sensors, AWS EC2, wires and connectors
4. Cameras, electric motors, GPIO Extenders, Tools
5. Additional variously parts, circuits and casings

Funding Approval

Student Sustainability Committee, Chairperson

Name

Signature

Date

Institute for Sustainability, Energy and Environment, Director

Name

Signature

Date

Vice Chancellor for Student Affairs

Name

Signature

Date

Funding Acknowledgement

By signing below, I agree to the terms and conditions for this award. If you have any questions regarding these requirements, please contact the Student Sustainability Committee Advisor at ssc-advisor@illinois.edu.

Award Recipient

Name

Signature

Date

Project Advisor Signature (Student-Led Projects Only)

Name

Signature

Date