View results

Respondent

| | 40 | Aaditya Voruganti | 12:45 Time to complete |
|-----------------|-------------------|---------------------------------------------------------------------|-----------------------------------------------|
| 1. Date of thi | is semester pro | gress report submission * | |
| 16th may 2025 | | | |
| 2. Name of p | roject exactly a | as it was listed in your awa | rd letter * |
| SegBin | | | |
| 3. Date of ori | iginal award let | ter * | |
| February 17, 20 | 024 | | |
| 4. Date of exp | piration listed o | on award letter (or on scop | e change approval if more recent) * |
| 02/15/2026 | | | |
| allocation | was transferred | ligit fund account number d? Incial contact for this informat | created for this project and to which the SSC |
| 6. How much | n was your awai | rd (i.e., original award plus | any approved budget increases)? * |
| | n of your award | has been spent to date (in | n dollars)? * |
| 0 | | | |
| 8. Date of for | recasted projec | t completion * | |
| 1 May 2026 | | | |
| 9. Have you s | submitted one | or more semester progres | s reports previously? * |
| O YES | | | |
| NO | | | |

| Describe, in detail, what has been completed on the project since the last semester progress report)? * | oort |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Since project initiation, the following milestones have been completed: | |
| - Project Planning: Defined system goals, scoped requirements, and outlined a development roadmap System Design: Completed hardware and software architecture, including sensor layout, object classification logic, and integration plans Use Case Study: Identified target environments (e.g., campuses, offices), mapped user flows, and estimated environmental impact through simulated was sorting scenarios. | te |
| Although the implementation phase has not yet begun, this was due to family-related challenges during the past semester. These issues have since been reand work will resume with a focus on prototyping and testing in the upcoming term. | esolved, |
| 1. Describe, in detail, the project's challenges/obstacles since your last semester progress report (consistency since the project commenced if you have not yet submitted a semester progress report)?* | or |
| Since the project began, several obstacles have impacted progress: | |
| Personal Time Constraints: A family issue during the past semester significantly limited my ability to begin implementation, delaying the transition from de | sign to |
| development. Hardware Procurement Delays: Limited funding and supply chain issues made it difficult to source key components needed for prototyping. Dataset Limitations: Finding or creating a high-quality, labeled dataset for waste classification has proven challenging, slowing progress on the machine lear model. | arning |
| 2. Describe, in detail, the project's successes since your last semester progress report (or since the project commenced if you have not yet submitted a semester progress report)? * | |
| Since the project began, several key milestones have been successfully completed: | |
| Comprehensive Project Planning: Defined clear goals, user requirements, and a structured development roadmap. System Design Completion: Finalized the hardware and software architecture, including sensor selection, AI model integration plans, and cloud connectivit Use Case Study: Conducted a detailed analysis of real-world applications, identifying primary deployment environments and validating the system's potentimpact. | - |
| 3. Did your project have any changes to its team that SSC should know about (e.g., project lead, faculty/staff advisor, departmental financial contact)? * | |
| NOTE: If yes, please complete the SSC Project Contact Information Change Form located at this link: https://forms.office.com/r/uBjx9nmNpG | |
| ○ YES | |
| NO | |
| 4. Complete and upload the semester financial documentation for your project. You should reflect expenditures since your last semester project report. We strongly suggest that you also uploa supporting financial transaction reports from Banner for your award CFOP. Talk to your project's financial advisor for more information on generating this report. https://studentengagement.illinois.edu/sites/default/files/2024-09/SSC-Budget-Timeline-SEMESTER-PROGRESS-REPORT-template.xlsx | |
| NOTE: When your project is completed and/or expired (whichever comes first), any remaining project funds be transferred back to the SSC. | will |

SSC-Budget-Timeline-SEMESTER-PROGRESS-REPORT- Aaditya Voruganti.xlsx

15. (OPTIONAL FOR SEMESTER REPORT) Upload project marketing and/or media not previously submitted in semester progress reports.

NOTE: Project marketing and/or media must include SSC's logo and/or a statement of which fee(s) funded the project.