View results

Respondent
6 Oluwabusayo Oni

51:15
Time to complete

Instructions:

Please adhere to the session word counts. Project leads must present their project at a SSC Working Group meeting prior to the submitting their application. The Working Group meeting schedule can be found on the SSC website.

NOTE: This document will be shared publicly on our SSC Illinois Climate Action Plan (iCAP) portal so that others can learn from your project.

If you have any questions about Working Groups and/or the SSC application process, please contact the SSC at Sustainability-Committee@illinois.edu.

1

Is the Project Lead a currently enrolled Illinois student? *

NOTE: Only currently enrolled Illinois students are eligible to be a Project Lead.

- (●) YES (by selecting YES, you affirm that the Project Lead is a currently enrolled Illinois student)
- ( ) NO

2

Project Lead's Name: *

Project Lead must be a currently enrolled Illinois student.

Oluwabusayo Oni

3

Project Lead's University Email Address: *

oni2@illinois.edu

4

Has someone from the project's team attended an SSC Working Group meeting? If not, please attend one and present your project. After presenting your proposed project (and attendance has been documented by the SSC), please return here to complete your application. *

The Working Group meeting schedule can be found on the SSC website.

- (●) YES
- ( ) NO

5

Select the Working Group meeting you attended. *

- ( ) Energy + Transportation & Infrastructure Working Group Meeting
- ( ) Food & Waste + Land, Air, & Water Working Group Meeting
- (●) Education & Justice Working Group Meeting

6

Enter the date of the Working Group meeting you attended *

10/1/2024

7

What is your project's name? *

Adapt-A-Thon

8

Total funding requested from the SSC for this project *

This application is restricted to students requesting $10,000 or less.

9995

Please enter a number less than or equal to 10000

9

Project Category: *

- (●) Education & Justice
- ( ) Energy
- ( ) Food & Waste
- ( ) Land, Air & Water
- ( ) Transportation & Infrastructure

10

Project Abstract *

In 100 words or less, briefly describe the project.

Makers Making Change (MMC) is an organization that aims to make assistive technology more accessible. As a chapter, our mission is to support device requests from the Urbana-Champaign community while raising awareness of DIY assistive technology among users and clinicians through events and local collaborations. On December 2nd, 2024 we will be having an Adapt-A-Thon where volunteers will adapt toys for children with disabilities. We will be working with local school districts to provide adapted toys for personal and classroom use. Our approach avoids "fast fashion" in toys, offering long-lasting, reusable, and sustainable solutions.

Faculty/Staff Advisor

All student-led projects require a Faculty/Staff Advisor.

11

Faculty/Staff Advisor's Full Name *

Joe Bradley

12

Faculty/Staff Advisor's Department *

Director of Engineering Education & Entrepreneurship

13

Faculty/Staff Advisor's University Email Address *

jabradly@illinois.edu

14

Are there additional members of your project team? *

- (●) YES
- ( ) NO

Additional Team Member

15

Team Member's Full Name: *

Gregory Ridgel

16

Team Member's Campus Affiliation/Department: *

Carle Illinois College of Medicine

17

Team Member's University Email Address: *

gridgel2@illinois.edu

18

Are there additional members of your project team? *

- (●) YES
- ( ) NO

Additional Team Member

19

Team Member's Full Name: *

Debora Nya

20

Team Member's Campus Affiliation/Department: *

Carle Illinois College of Medicine

21

Team Member's University Email Address: *

dnya2@illinois.edu

Project's Financial Contact

The project's Financial Contact must be a full-time Illinois employee who has the authority to manage the project's financials and generate financial reports on behalf of the project.

22

Financial Contact's Full Name *

Julie Cutright

23

Financial Contact's Department *

Carle Illinois College of Medicine

24

Financial Contact's University Email Address *

juliecut@illinois.edu

Project Questionnaire

25

Have you spoken with UIUC's Facilities & Services (F&S) department for approval for your project? *

- ○ YES
- ◉ NO

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List your proposed project's timeline and major milestones. *

NOTE: SSC funding agreements remain active for two years. Thus, your timeline should reflect your activities over a two year period or less.

Monthly coordination meeting with school district: 09/30/2024 – 11/22/2024
Setting up the maker space: 10/15 –11/01/2024
Bi-weekly mini adapt-a-thons: 10/03/2024 – 11/25/2024
100 switches and 50 assistive device kits completed: 11/25/2024
Fully Adapt 100 toys: 10/14/2024 –12/2/2024
Wrap and deliver toys: 12/02/2024 – 12/06/2024

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Describe your project in detail. *

Be sure to address the following:
-What are your project's goals and how do you intend to accomplish them?
-What are your project's deliverables?

Goals: The primary goal is to adapt toys for children with disabilities to enhance their learning in classrooms and promote their social, emotional, motor, and cognitive development through play. This will further promote accessibility and inclusion, especially among underserved populations. We will use volunteers, including undergraduates and medical students, to create adapted toys, fostering awareness of assistive technology. By this holiday season we hope to have 100 toys fully adapted. Deliverables: Adapted toys that will remain in the Urbana-Champaign area, benefitting local classrooms and students. These adapted toys will be reused over and over again in classrooms and students' homes, promoting sustainability and reducing the environmental impacts of the toy industry. In addition, switches and assistive device kits will be produced, which can be used to help people of all ages make their everyday lives more accessible (e.g., bottle openers, key turners).

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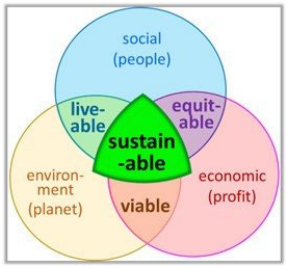
Authentic sustainability consists of the overlapping area of 3 spheres: Environment, Society, and Economy.

Describe how your project addresses sustainability. *



Environment: By reducing the need for multiple specialized toys, we decrease energy consumption and waste associated with mass production. Our approach avoids "fast fashion" in toys, offering long-lasting, reusable solutions. Existing toys can often be adapted instead of creating new ones from scratch, minimizing waste and resource consumption. By adapting toys intended for reuse in both classroom and home settings, we minimize the need for constant production of new toys.
Traditional toy manufacturing often utilizes subtractive manufacturing processes which involves cutting away material, accumulating significant waste. In contrast, 3D printing is an additive process which only uses the material needed to create an object. Moreover, we intend to use PLA (polylactic acid) filament, a corn-based plastic that is both biodegradable and compostable, thus minimizing environmental impact.
Furthermore, offering these services locally promotes sustainability by reducing the need for long-distance shipping, which helps lower emissions. It also simplifies access to adapted toys and assistive devices, making it easier for parents, teachers, and others to obtain these essential resources.
Society: We aim to create toys that are not just utilizable to some, but accessible to all, promoting inclusivity and disability justice. With ongoing community support, this project will enhance accessibility in both educational and healthcare settings, aligning with our mission to improve the quality of life for underserved populations. This reflects our broader goal of fostering social equity through sustainable innovations.
Economy: Traditional adaptive switches cost around $30, and pre-adapted toys can cost upwards of $350. By producing switches for just $1.50 each, we significantly reduce the financial burden on families and schools. This initiative provides free toys and switches, making adapted toys accessible to everyone, not just those who can afford them. These toys will remain in the local area, reducing costs for families and schools who would otherwise purchase expensive adaptive devices.

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How many students will be directly impacted by this project? *

Approximately 50 students will participate directly in adapting toys and creating assistive devices. (30 medical students, 20 undergraduates)

30

How many students will be indirectly impacted by this project? *

Around 100 students will be indirectly impacted by the event through awareness and educational outreach.

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What is the intended student impact? *

Be sure to address the following:
-How will this project benefit students?
-How will students be involved with this project?
-What educational components are there in this project?

Benefits: Students will gain hands-on experience in assistive technology, learning practical skills that align with sustainable practices, including 3D printing, soldering, sewing, and community engagement. We will be making all of our equipment available for students to use for their own projects as well.
Through our organization's close collaboration with MedLaunch (UIUC) and Unit 4 schools, there will be opportunities for mutual peer mentorship as we share skill sets and experiences.
Involvement: Undergraduates and medical students will collaborate in adapting toys and creating devices. Medical students will work on collaborating with community partners to execute the event, acquire stakeholders, and seek resources. This will include attending the local Champaign-Urbana DISABILITY Resource Expo annually.
Educational Components: Workshops will focus on the technical aspects of 3D printing, accessibility, and sustainability, providing a learning environment for future healthcare and engineering professionals.

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How does your project promote and increase environmental stewardship at Illinois? *

If applicable, also address what the carbon, water, waste, and/or energy savings is associated with your project.

Our use of sustainable 3D printing materials and adapted toys will promote environmental stewardship by minimizing waste, emphasizing reusable, durable designs, and promoting local services that reduce long-distance shipping needs. This encourages students to consider long-term environmental impacts in their work.

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Does your project aim to advance one or more of the Illinois Climate Action Plan's (iCAP) objectives? If so, describe how.

A full list can be found here: https://icap.sustainability.illinois.edu/objectives

5.3: Our project aligns with iCAP Objective 5.3: Establish a Culture of Reuse. We accomplish this through adapting existing toys rather than creating new ones. By modifying durable toys for children with disabilities, we extend their life cycle and reduce the waste associated with producing and discarding specialized toys. This approach minimizes reliance on single-use items and mass-produced products, contributing to the university's goal of promoting reusable and repairable items.
7.2: Our project aligns with iCAP Objective 7.2: Sustainable Events Program by contributing to the goal of making 80% of Illini Union events sustainable. Our Adapt-A-Thon, where volunteers adapt toys for children with disabilities, promotes sustainability by focusing on reuse and waste reduction. Additionally, using 3D printing with biodegradable PLA filament for adaptations further supports a sustainable, low-waste model that aligns with iCAP's zero-waste objectives. This aligns with the Illini Union's commitment to sustainable event practices, and our project serves as a model for integrating sustainability into community-driven initiatives, encouraging students from UIUC, CIMED, and Unit 4 to apply these practices to future events and in their own lives.
7.4: Our project aligns with iCAP Objective 7.4: Local Collaborations by collaborating with community members, students, and volunteers to adapt existing toys for children with disabilities, reducing waste and promoting reuse. This project empowers participants to engage in hands-on problem-solving related to sustainability, incorporating design thinking to create affordable, environmentally friendly adaptive toys. Additionally, our project could be tracked through platforms like GivePulse to document its impact and encourage further local collaborations, aligning with iCAP's goal of increasing community-driven sustainability projects.
7.5: Our project aligns with iCAP Objective 7.5: Support Youth Sustainability, by fostering positive peer mentoring and collaboration between students of all ages through sustainability-focused activities. Our Adapt-A-Thon engages university students, local schools, and community members in adapting toys for children with disabilities, offering a hands-on opportunity to think critically about the intersection of environmental issues like waste reduction and resource reuse with sociocultural issues like accessibility and justice. By working together to create reusable, adapted toys, participants develop a shared understanding of sustainable practices, aligning with the objective of empowering youth to engage in environmental stewardship and lifelong sustainability values.

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OPTIONAL: Please attach any letters of commitment or support here, along with any supplemental media that will support your application (presentations, photos, etc.).

SSC Adapt-A-Thon Project Proposal Presentatio_Oluwabusayo Oni.pptx

Project Finances

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Has your project team or department previously been awarded funding from the SSC for the same or a similar project? *

- ○ YES
- ◉ NO

36

If additional funding is required to achieve your project's goals, do you have a plan in place to obtain additional funding from other sources? *

NOTE: SSC cannot guarantee financial support beyond that provided in an approved funding agreement.

- ○ YES
- ◉ NOT YET
- ○ N/A

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Download, complete, and submit the **SSC-Budget-Timeline_NEW APPLICATION_template** file linked below. Please be very detailed so that the SSC can fully evaluate the merit of your funding request.

https://studentengagement.illinois.edu/sites/default/files/2024-09/SSC-Budget-Timeline-NEW-APPLICATION-template.xlsx *

Adapt-A-Thon SSC-Budget-Timeline-NEW-APPLICAT_Oluwabusayo Oni.xlsx