

View results

Respondent

12

Karen Hartman

18:50

Time to complete

Project Questionnaire

Please provide proper and accurate information.

1. Is your project complete? *

 Yes No

2. Name of project *

Membrane based Reval of Eater from Oil

3. Date project received financial award letter *

12/13/2019

4. Date of project completion *

12/31/2021

5. Date of final report submission *

05/16/2024

6. Please describe marketing and promotion efforts for the duration of the project. *

none

7. Please describe how your project faced challenges or obstacles during the duration of development. *

A majority of testing and planned work on the system was postponed after 03/11/2020 due to the COVID-19 pandemic preventing work in the laboratory. During this time, as per the University's instructions, the students remained on the payroll. The students returned to the lab in the spring semester of 2021 and worked till the middle of the summer of 2021. Only one student was in the lab at a time as per the University's instructions. This was an unforeseen scenario and resulted in not being able to complete the last task due to constraints of time and laboratory access.

8. Please describe in detail how your project has integrated student involvement, community outreach, and campus sustainability. *

The entire project is student-led under the supervision of Drs. Sharma, Schideman, and Kocherginsky. All experimental tests and calculations were completed by two undergraduate researchers working on this project. The students got firsthand experience in identifying parts needed to assemble equipment, looking for vendors to purchase these parts, assembling all parts into a working system, testing with water for leaks, flow rate measurements, and pressure, and finally testing this system with various oils to generate useful data.

9. If applicable, please explain how the project engaged individuals from underrepresented groups and/or promote diversity, equity, and inclusion. *


To help promote diversity in the workforce, a female student was hired. Female students are underrepresented in STEM areas. This effort will contribute towards increasing their representation. DEI (Diversity, Equity, and Inclusion) was always fostered to create an inclusive and equitable work environment for both the students working on the project.

Project Documentation


10. Please upload the final financial documentation for your project

<https://studentengagement.illinois.edu/student-sustainability/ssc/docs/SSC-Supplemental-Budget-Timeline.xlsx>

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 [SSC- Membrane-based Removal of Water..award | Karen Hartman.pdf](#)

11. Please upload additional project photography (not submitted in semesterly report) *

 [SSC- Membrane-based Removal of Water..award | Karen Hartman.pdf](#)