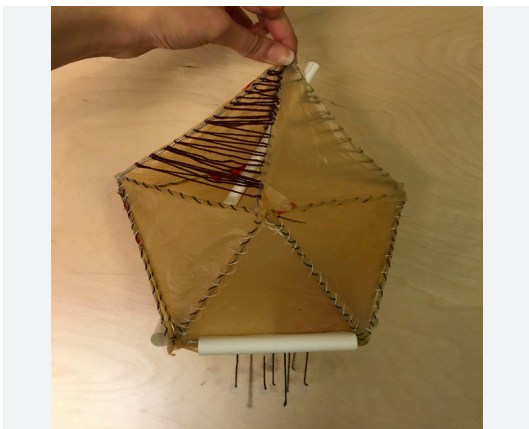
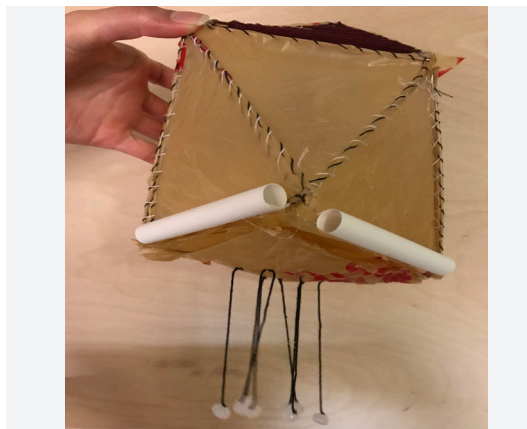


World Map Illustratio

For my final project, I based it on Lagos, Africa (marked with a very tiny -x- on its location on the map) due to the city's extreme flood weather conditions. Moreover, I created a deployable structure that floats over the water inspired by the the body of a jellyfish. I used a cluster of triangular shapes making up a larger pentagolal shape due to the strenght of the triangular shape and its ability to lock in perfectly with one another and easily close and colapse into one another. My structure would overall be made with bioplastic, the top would include solar panels along with a metal retractable pipe for water, bio platic floats along the sides, weights hanging at the bottom and lastly the small argriculture food patch on the inside.



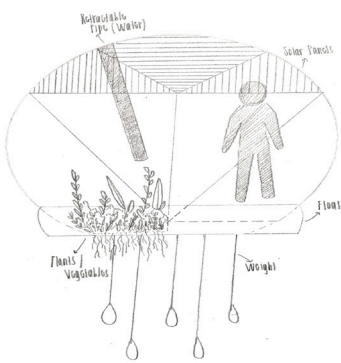
Front View of Jellyfish Structure



Bottom Angled View of Jellyfish Structure



Toip view of Jellyfish Structure



Drawing of Jellyfish Structure

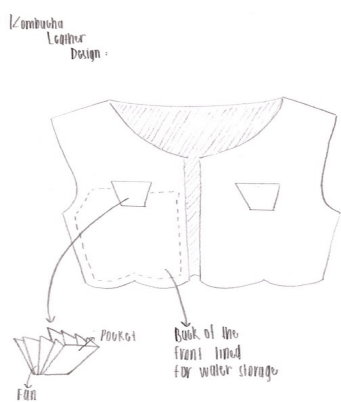
I drew a triangular patterned including solar panels above illustrated with horizontal lines across, along with a retractable rod for water. The floor of the structure also includes a small patch for food, a float around the entire structure and weights at the bottom resembling those of jellyfish. The drawing also includes a sketch of a figure for size reference.



The most important material in my structure was bioplastic



The structure was kept sturdy with stainless steel wire.

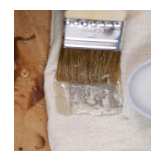


Drawing of Rainwater Collectable Vest

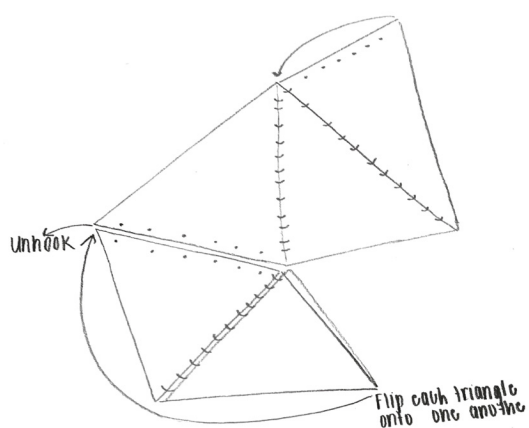
For my rainwater collecting structure, I created a vest including openable pockets to collect the water with a small hole cut on the inside to store the water into a pocket lined on the inside of each side.



My entire vest was made from kombucha leather.



To keep the vest waterproof, I coated the kombucha leather with a liquid silicone seal.



Drawing of Collapsing Structure

In this drawing, I illustrated the method of collapsing the structure. It is done so by un-clasping the solar panels to the bioplastic patterned layer and also un-clasping one side then folding each pattern into one another.



The structure also includes solar panels placed on the top for power.



Clasps, to unlock the solar panels to the bioplastic layer for the collapsable aspect.

## Jellyfish Flood Structure

## Nidhi Manoj Raipancholia