

My Creation

cactus-inspired water collector

problem

Water is a limited resource, and in many schools and universities, plants are watered using clean drinking water. This increases waste and reduces sustainability.

inspiration

I was inspired by the cactus and its amazing ability to collect water from the air through its spines. This natural strategy helps it survive in dry environments, and inspired me to design a fog-harvesting prototype for my campus.

solution

My project proposes a simple fog-harvesting system inspired by cactus spines to collect humidity and use it for watering plants in green areas. It's low-cost, sustainable, and nature-inspired.



@carolina.pgc

Link from the post on my Instagram account

https://www.instagram.com/p/DQI2sY_jNS4/?igsh=d3MweGJhcGMwdjFv

Carolina Svetlana Novillo Bravo - Ecuador

Photo from the post on my Instagram account



Caption

Day 22 - PGC

Nature

Inspired by the cactus

and its ability to collect water from

the air through its spines, I created a fog-harvesting prototype designed to collect humidity and reuse it for watering plants in my university gardens.

This idea shows how nature's designs can solve real problems (like water waste through sustainable innovation.

Nature already has the answers. We just need to learn from it