WATER CONSERVATION PIT

HARNESSING RAIN WATER FOR SUSTAINABLE POSTERITY THROUGH A MACHINE

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PRODIGIES

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problem statement

Effective rainwater harvesting, ground water recharge and stormwater management techniques can significantly reduce flood risks, prevent erosion and maintain a healthy water table, ensuring sustainable irrigation practices

By implementing rain water harvesting and groundwater recharge systems, communities can mitigate storm water runoff, prevent erosion, maintain a stable water table , and secure reliable irrigation sources.

WATER DOSING MACHINE

Whenever rainwater collects on roads, the automatic dosing system kicks in, directing the water to settle underground and recharge the aquifer through a recharge pit. This proactive measure mitigates potential issues for posterity, such as flooding, erosion, and groundwater scarcity.

To create a tiny automatic dosing system, various materials can be used, depending on the desired functionality, durability, and environmental resistance. Here are some possible materials:

Structural Components:

Plastics
Metals
Ceramics
Printed Circuit Board (PCB)
Microcontrollers (e.g., Arduino)
Sensors (e.g., level, flow, pressure)
Actuators
Teflon
Gear motors
Pumps
Waterproof paints or coatings

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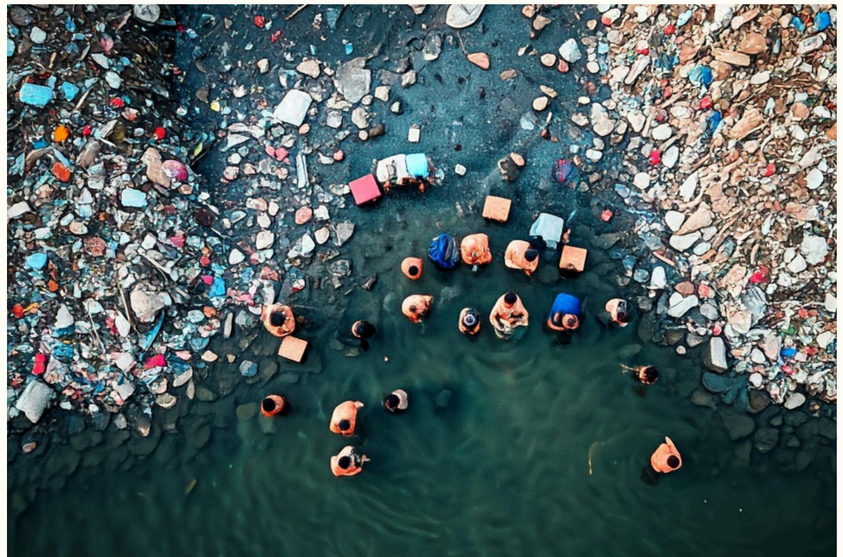

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“Efficiency opens up more time to focus on the things that really matter.”

THANK YOU