

# Pesticide sprinkler in farm fields without using drones as they are not cost effective.

The National institute of engineering, Mysore/ 1st SEM/ E&C - B Section

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## PROBLEM STATEMENT

Pesticide sprinkler in farm fields without using drones as they are not cost effective.

## TEAM MEMBERS

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## INTRODUCTION

Sprinkler irrigation is any irrigation that uses a pressurised system to apply water in a method that mimics rainfall to the soil surface.

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Sprinkler irrigation is widely used because it is versatile, adaptable to almost all crops, and affordable. But it's not a perfect irrigation system. Spray irrigation is one of the most inefficient watering methods, wasting approximately 30 to 50% of the water applied through run-off and evaporation. Only flood irrigation is a more potentially inefficient method of irrigation crops, whereas systems like drip irrigation and sub-irrigation use much less water to achieve effective application rates.

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## IDEA GENERATION IDEA:

A pesticide sprinkler setup which is made up of recyclable things which helps farmers to sprinkle farmland at low budget and efficiently compared to drones.

## PROTOTYPE IMAGES



