

TEAM 11: THE WEED ASSASSIN G.V.



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➤ Goals

The goal of Team 11 is to design an autonomous vehicle which recognizes weeds on farmlands and dispenses environmentally friendly herbicides to eliminate them. The device should be affordable and scaled for smaller farms that plant crops in structured row plots.

➤ Overview

The team is designing an automated 4-wheel drive vehicle powered by a rechargeable battery. Once placed at its initial starting point it would be able to go through each row and spot the weeds using a camera and a Trained Machine learning Model. It will also be equipped with a precision nozzle that would be able to spray herbicide on the detected weeds. Hopefully this will eliminate some tedious aspects of farming and increase productivity in the long run.