

HIVE PROJECT

TRANSFORMING FARMERS
LIVES WITH INTELLIGENT AI

APPLIED AI PROJECT



AGRICULTURE AI



PROJECT WEED ERADIFIER

Weeds compete with productive crops or pasture, they can be poisonous, distasteful, produce burrs, thorns or otherwise interfere with the use and management of desirable plants by contaminating harvests or interfering with livestock.

Weeds also compete with crops for space, nutrients, water and light thereby disallowing edible crops to grow healthily.

According to Wikipedia, smaller, slower growing seedlings are more susceptible than those that are larger and more vigorous. Onions are one of the most vulnerable, because they are slow to germinate and produce slender, upright stems.

While solution such as transplanted crops raised in sterile soil or potting compost gain a head start over germinating weeds, this still does not solve the problem in a sustainable manner.

Weeds present the highest potential yield loss to crops leading to loss of 200M metric tonnes globally.

As part of our Agriculture AI project **KILIMO**, in this Weed Eradifier project you will work with the dataset provided, you will show your skill in understanding the data, develop a model, fine-tune it and develop an attractive UI. Who knows, someday a farmer would be using your app!