PLANT SEEDLINGS CLASSIFICATION
USING DEEP LEARNING

A Main Project Abstract

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ABSTRACT

Agriculture is very important to human continued existence and remains a key driver of many economies worldwide, especially in underdeveloped and developing economies. Due to the increasing in world population and the challenges enforced by climate modifications, there is a need to increase plant production while reducing costs. Weed management has a vital role in this scenario. One of the key tasks is to identify the weeds after few days of plant germination which helps the farmers to perform early-stage weed management to reduce the contrary impacts on crop growth. Thus, we aim to classify the seedlings of crop and weed species.

The classification of seedling is important in the agriculture and botany field. Also, the diagnosis of the plant diseases is done based on the leaf detection.

In this project, we propose a plant seedlings classification using the benchmark plant seedlings dataset using Convolution Neural Network.

Project Guide

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