

FERTILIZER RECOMMENDATION SYSTEM FOR DISEASE PREDICTION

Submitted By:

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LITERATURE SURVEY

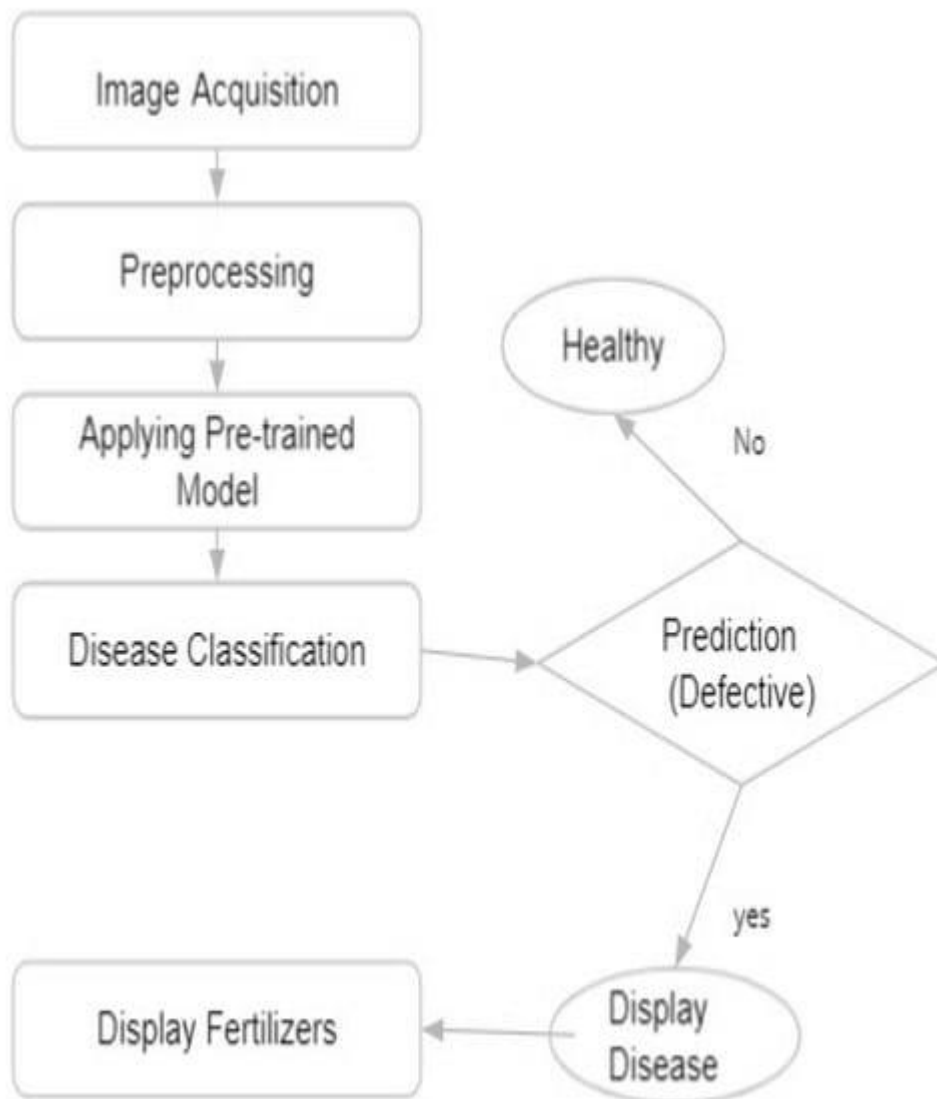
INTRODUCTION:

Agriculture is the main aspect of country development. Many people lead their life from agriculture field, which gives fully related to agricultural products. Plant disease, especially on leaves, is one of the major factors of reductions in both quality and quantity of the food crops. In agricultural aspects, if the plant is affected by leaf disease, then it reduces the growth of the agricultural level. Finding the leaf disease is an important role of agriculture preservation. After pre-processing using a median filter, segmentation is done by Guided Active Contour method and finally, the leaf disease is identified by using Support Vector Machine. The disease-based similarity measure is used for fertilizer recommendation.

PROBLEM DESCRIPTION:

The application will get the image of the diseased leaf and analyse the uploaded image. Based on the analysis of the uploaded image, the application will predict the disease of the leaf and provide a better fertilizer to the user which helps in the increased productivity for the farmers. It also provides a user-friendly portal for the better interaction and image uploading.

FLOWCHARTS:



CONCLUSIONS:

This user-friendly application of fertilizer recommendation system is used to determine the best fertilizer for the predicted disease by the uploaded diseased leaf image. This application will analysis the uploaded image and predict the disease and provide the best fertilizer for the disease. The recommended fertilizer will help the farmer in the increased productivity.

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