V.S.B. ENGINEERING COLLEGE, KARUR

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TITLE : Fertilizer Recommended System For Disease

Prediction

DOMAIN NAME : Artificial Intelligence

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PROBLEM STATEMENT :

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 using recommended fertilizers to practicing crop yield method and finally, the leaf disease is identified by using Support Vector Machine. The disease-based similarity measure is used for fertilizer recommendation. Recommend the fertilizer for affected leaves based on severity level. Fertilizers may be organic or inorganic. Admin can store the fertilizers based on disease categorization with severity levels. The measurements of fertilizers suggested based on disease. Use AI can be used to find disease and rectify in time saving, no need of man power etc…

EMPATHY MAP

Fertilizers Recommendation System For Disease Prediction

SAYS

- It reduces the usage of fertilizers
- AI will manage crop monitoring
- It increase crop fertile rate

THINKS

- Will it increase the productivity?
- Over usage can damage plants?
- Will it reduce soil quality?

USER

DOES

- It will guide the farmers
- Based on disease the fertilizer cures the crop easily
- Plans easily absorb fertilizers

FEELS

- It increase the full of nutrients
- It enhance good crop yield
- Beneficial for large production