

Fertilizer Recommendation System for Disease Prediction

PROBLEM STATEMENT:

Mr. Elumalai is a 62 years old man. He had a own farming land and do Agriculture for past 28 Years , In this 28 Years he Faced a problem in Choosing Fertilizers and Controlling of Plant Disease.

- Mr. Elumalai wants to know the better recommendation for fertilizers for plants with the disease.
- He has faced huge losses for a long time.
- This problem is usually faced by most farmers.
- Mr. Elumalai needs to know the result immediately.

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| Who does the problem affect? | Persons who do Agriculture |
| What are the boundaries of the problem? | People who Grow Crops and facing Issues of Plant Disease |
| What is the issue? | <p>In agricultural aspects, if the plantis affected by leaf disease, then it reduces the growth and productiveness.</p> <p>Generally, the plant diseases are caused by the abnormal physiological functionalities of plants.</p> |
| When does the issue occur? | <p>During the development of the crops</p> <p>as they will be affected by various diseases.</p> |

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| Where does the issue occur? | The issue occurs in agriculture practicing areas, particularly in rural regions. |
| Why is it important that we fix the problem? | It is required for the growth of better quality food products. It is important to maximise the crop yield. |
| What solution to solve this issue? | An automated system is introduced to identify different diseases on plants by checking the symptoms shown on the leaves of the plant. |
| What methodology used to solve the issue? | Deep learning techniques are used to identify the diseases and suggest the precautions that can be taken for those diseases. |