Fertilizer Recommendation System
for Disease Prediction

Date	19 September 2022
Team ID	PNT2022TMID17868
Project Name	Project - Fertilizers Recommendation System for Disease Prediction
Maximum Marks	2 Marks

PROBLEM STATEMENT:

　　Mr. Narasimma Rao is a 65-year-old man. He had his own farming land and do agriculture for the past 30 years, in these 30 years, he faced a problem in choosing fertilizers and controlling plant diseases.

- Narasimma Rao 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.
- Narasimma Rao needs to know the result immediately.

Whom does the problem affect?	Persons who do Agriculture
What are the boundaries of the problem?	People who Grow Crops and face Issues of Plant Disease

What is the issue?	In agricultural aspects, if the plant is affected by leaf disease, then reduces growth and productivity. Generally, plant diseases are caused by the abnormal physiological functionalities of plants.
When does the issue occur?	During the development of the crops as they will be affected by various diseases.
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 maximize cropyield.
What solution to solve this issue?	An automated system is introduced to identify different diseases in 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.