

V.S.B. ENGINEERING COLLEGE, KARUR
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
IBM NALAIYA THIRAN


Ideation Phase
Brainstorm & Idea Prioritization

Date	03 October 2022
Team ID	PNT2022TMID33300
Project Name	Fertilizers Recommendation System for Disease Prediction
Maximum Marks	4 Marks

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Unnamed area

Template



Fertilizers Recommendation System for Disease Prediction

Agriculture is the most important sector in today's life. Most plants are touched by a wide variety of bacterial and fungal infections. Diseases on plants placed a major constraint on the production and a major risk to food security. Hence, early and precise identification of plant infections is essential to ensure high quantity and best quality. In recent years, the number of diseases on plants and the degree of damage caused has risen due to the variant in pathogen varieties, changes in cultivation methods, and inadequate plant protection methods. Our project is proposed to build an automated system which is introduced to detect different diseases on plants by examination the symptoms shown on the leaves of the plant. Deep learning techniques are used to identify the illnesses and suggest the preventive measure that can be taken for those diseases.

1

Define your problem statement

Plant diseases are tough to monitor manually as it requires a great deal of work, capability on plant diseases, and excessive processing time. It is vital to identify of crop illness, disease detection, prediction about particular crop and suggestion of fertilizer using deep learning techniques.

PROBLEM

Agriculture is the most important sector in today's life. Most of the plants are affected by a wide variety of bacterial and fungal diseases. Diseases on plants placed a major constraint on the production and major threat to food security. Hence, early and accurate identification of plant diseases are essential to ensure high quantity and best quality. In recent years, the number of diseases on plants and degree of harm caused has increased due to the variation in pathogen varieties, changes in cultivation methods and inadequate plant protection techniques.

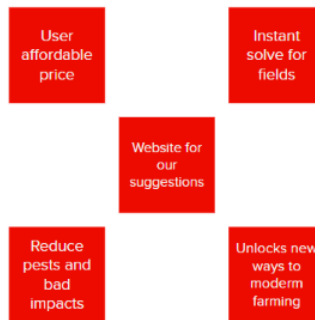
An automated system is introduced to identify different diseases on plants by checking the symptoms shown on the leaves of the plant. Deep learning techniques are used to identify the diseases and suggest the precautions that can be taken for those diseases.

Step-2: Brainstorm, Idea Listing and Grouping

Ashok N



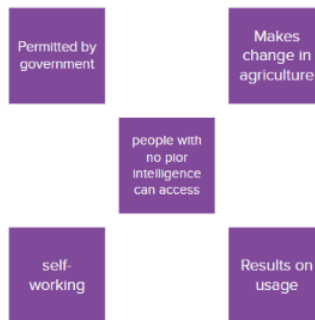
Arunkumar D



Ariharan D



Balaji VK



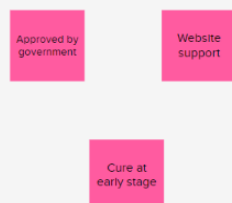
Category 1



Category 2



Category 3



Step-3: Idea Prioritization

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

