

PROBLEM STATEMENT

BATCH ID: B9-3A5E

PROJECT: FERTILIZER RECOMMENDATION
SYSTEM FOR DISEASE PREDICTION

TEAM MEMBERS:

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PROJECT DESCRIPTION:

Agriculture is the most important sector in today's life. Most plants are affected by a wide variety of bacterial and fungal diseases

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

PROBLEM DEFINITION:

This project is about identifying various types of disease in crop field (i.e., Fruits and Vegetable plants) and recommending the suitable fertilizer by processing the various images using AI technology.

Why the project is needed?

Crop fields being affected by various types of disease leads to health issues for the consumers and also result in less production of crops, which leads to financial crises.

In order to overcome this we need to find the disease at an early stage and recommend a suitable fertilizer for the crops. So our project

helps the farmers to identify the diseases of the affected plant just by uploading the image of it.

Does the problem impact the wider society?

Yes, this problem creates a great impact on the society both in the positive and negative manner. In which it helps effectively in detecting the crop diseases and enhance the yield.

In spite of many advantages in this technology, some customers are in concern with the accuracy and it cannot identify the disease that are new to the database.

SEQUENCE OF EVENTS OF THE PROJECT:

Data collection -> Image preprocessing -> Modelling -> Testing -> Application Building -> Development Phase.