

# **FERTILIZERS RECOMMENDATION SYSTEM FOR DISEASE PREDICTION**

## **INTRODUCTION:**

- Agriculture is one field that has a significant impact on human life and economic status.
- Improper management results in agricultural product loss. Farmers lack disease knowledge in crops and thus yield less production.
- So, it is important to suggest suitable fertilizers for the crop diseases.

## **PROBLEM STATEMENT:**

- The problem statement is that when a crop's leaf image is given as the input to an AI model, the essential features from the leaves are taken, analyzed and the AI model will predict the disease and will suggest a suitable fertilizer to cure the disease that the crop has been infected with.

## **OBJECTIVE OF THE PROJECT:**

- To build an AI model that can easily predict the crop diseases and suggest suitable fertilizers for curing which in turn will become a reliable and affordable source for farmers to yield more production.

## **NEED/SCOPE:**

- The proposed system can be used for improved crop production with reduction in cost of fertilizer and thus improves the agriculture sector in India.
- Farmer need not want to visit the laboratories frequently for soil testing as our system will be used for soil testing.