Project Objective

Date	November 2022
Teamid	PNT2022TMID26773
Project name	Fertilizer recommendation systemfor disease prediction

Agriculture is the mostimportantsectorintoday's life. Mostplants are affected by a widevariety of bacterial and fungal diseases. Diseases on plants placed a major constraint on the production and a major threat to food security. Hence, early and accurate identification of plant diseases is essential to ensure high quantity and best quality.

In recent years, the number of diseases on plants and the 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 learningtechniques are used to identify the diseases and suggest the precautionsthat can be takenfor those diseases.

- Topreprocesstheimages.
- ApplyingtheCNNalgorithmtothedataset.
- Howdeepneuralnetworksdetectthedisease.
- Youwill be abletoknowhowtofindtheaccuracy of themodel.
- YouwillbeabletobuildwebapplicationsusingtheFlaskframework.