Fertilizer Recommendation System for Disease Prediction

PROBLEM STATEMENT:

Farmers' conventional methods of agricultural cultivation are ineffective. It does not make proper use of all available resources. Farmers are unable to detect crop diseases due to a lack of knowledge and old practices, which often result in soil nutrient deterioration and exhaustion. As a result, crop failure occurs. Growing only certain crops depletes the soil, and if the crops are harmed by illnesses, farmers are uninformed of how to recover such crops. Food needs cannot be met until and unless efficient resource management and use is implemented.

What is the issue?

In agricultural aspects, if the plant is affected by leaf disease, then it reduces the growth and productiveness. Generally, the plant diseases are caused by the abnormal physiological functionalities of plants.

Solution for Problem Statement:

An automated system is introducedto identify different diseases on plants by checking the symptoms shownon the leaves of the plant.

METHODOLOGY:

Deep learning techniques are usedto identify the diseases and suggest the precautions that can be taken forthose diseases.