

## IDEATION PHASE

### PROBLEM STATEMENT

DATE	16 October 2022
TEAM ID	PNT2022TMID12393
PROJECT NAME	Fertilizer Recommendation System for Plant Disease Predication
MAXIMUM MARK	2 Marks

#### Problem Statement :

Agriculture is the most important sector in today's life. Most plants are affected by a wide variety 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 learning techniques are used to identify the diseases and suggest the precautions that can be taken for those diseases.

<b>I am</b>	The farmer who is trying to cultivating the crops for huge profit and taking care of the crops by using proper fertilizer.
<b>I am trying to</b>	Increase the productivity of the crop.
<b>But</b>	I am unaware of types of diseases and don't know the fertilizers required to prevent those diseases.
<b>Because</b>	I don't want to decrease the productivity as well as the health of the crop.
<b>Which makes me feel</b>	I'm not capable of cultivating the good crops and maintaining the quality of land.