

## Ideation Phase

### Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID06698
Project Name	Project – Fertilizers Recommendation System For Disease Prediction
Maximum Marks	2 Marks

#### PROBLEM STATEMENT:

Mr. Arun is a 55 years old man. He had a own farming land and do agriculture for past 30 years, In this 30 years he faced a problem in choosing fertilizers and controlling of plant disease.

- I. Arun wants to know the better recommendation for fertilizers for plants with the disease.
- II. He has faced huge losses for a long time.
- III. This problem is usually faced by most farmers.
- IV. Mr. Arun needs to know the result immediately.

#### Example:

What are the boundaries of the problem?	People who grow crops and facing Issues of plant disease
Who does the problem affect?	Persons who do Agriculture
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.
When does the issue occur?	During the development of the Crops as they will be affected by various diseases.
Where does the issue occur?	The issue occurs in agriculture practicing areas, particularly in rural regions.

Why is it important that we fix the problem?	It is required for the growth of better quality food products. It is important to maximise the crop yield.
What solution to solve this issue?	An automated system is introduced to identify different diseases on plants by checking the symptoms shown on the leaves of the plant.
What methodology used to solve the issue?	Deep learning techniques are used to identify the diseases and suggest the precautions that can be taken for those diseases.