Ideation Phase

Define the Problem Statements

Date	07 October 2022
Team ID	PNT2022TMID10804
Project Name	Project-Fertilizers Recommendation System For Disease Prediction
Maximum Marks	2 Marks

Fertilizers Recommendation System For Disease Prediction Problem Statement:

The primary factor in a country's development is agriculture. Many people work in the agricultural sector of the economy, which is closely tied to agricultural products. One of the main causes of decreases in the quality and quantity of food crops is plant disease, particularly on the leaves. If a plant has a leaf disease in the context of agriculture, this stunts the development of the agricultural level. Finding the leaf disease is a crucial part of preserving agriculture. After pre-processing with a median filter, segmentation is carried out using the Guided Active Contour approach, and finally, a Support Vector Machine is used to identify the leaf disease. For fertiliser advice, the disease-based similarity metric is employed.

Example:

Problem Statement 1:

Problem Statement 2:

Problem Statement 3:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS 1	A Farmer	I should produce more crops	My crop are being affected by on unknow plant disease	Of this my output is affected	Useless
PS 2	A Student	Develop only healthy plants	Disease always has an impact on	I am knowledgeable about it	Fear of fertiliser usage errors
PS 3	Farmer	Plant disease to find my phone	This required is long time	Webpage are doesn't respond	Frustrated