Ideation Phase

Define the problem statements

Date	3 September 2022
Team ID	PNT2022TMID20086
Project Name	Estimation of crop yield prediction using Data Analytics
Maximum Marks	2 Marks

Problem statement

The estimation of crop yield at a small scale is crucial to food security and harvest management.Based on previous crop forecasts and soil quality analysis, machine learning is applied to achieve high yields throughout the technology solution.A major purpose of this project is to predict crop yield, which is extremely useful for farmers in planning for harvest and selling their grain harvests.Predict the optimal crop for our country's corresponding regions and crop seasons using a machine learning algorithm. This project aims to predict yields basedon location and weather data. According to the climate and soil parameters, this study looks at which crops will yield high yields within the given area.

I am	I'm trying to	But	Because	Which makes me feel
User	Land selection	Soil erosion	Rainfall and flooding	Incompetent
	Seed selection	Low budget	Low demand	Confused
	Predict	Harvesting will produce very few crops.	Many changes in climatic condition	Stressed
	Seed sowing	Many times its going wrong	Temperature,Nutrients ,pesticides & environmental factors	Complicated
	Harvest	unavailability of good quality of seeds	Physiological deterioration and infections	Frustrated
	Market	It is unmanagable	Exorbitant prices of better seeds	Unforeseen