

Ideation Phase

Define the Problem Statements

Date	18 October 2022
Team ID	PNT2022TMID24104
Project Name	Smart Farming – IOT enabled Smart Farming Application
Maximum Marks	2 Marks

Customer Problem Statement Template:

Mr. Seenaiiah is a farmer. He need a technology to monitor different parameter of his field like soil moisture, temperature and humidity. He also requires some features to reduce the work, improve productivity, more yield, suggestion to improve soil and next crop planting ideas. He is in a search of solution that would enhance all his requisites.

Who does the problem affect?	Persons who do Agriculture
What is the issue?	Loss of agricultural land and the decrease in the varieties of crops and livestock produced.
When does the issue occur?	Increasing pressures from climate change, soil erosion, its mostly starts from first day farming
What solution to solve this issue?	An application is introduced to know about various data about their land remotely, where they can schedule some events for a month or a day. It also provides suggestions to users based on the crop they planted.
What methodology used to solve the issue?	Some search results info from internet based on crop planted. Arduino microcontroller to control the process and various sensors for data. An app built using MIT App Inventor
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. It is important to maintain soil richness

Example:

