## Ideation Phase Problem Statements

Date	16 November 2022
Team ID	Team ID : PNT2022TMID12161
Project Name	Smart Farmer-IoT Enabled
	Smart Farming Application
Maximum Marks	2 Marks

## **Customer Problem Statement:**

Mr. Arvind is a farmer with a background in engineering. Together with his father, he has ventured into agriculture. Since he is just starting out in farming, he needs someone to help him through the first few years. He also wants to incorporate technology into farming to cut down on work and labor, increase productivity, produce more, and get ideas for how to improve the soil and plant the next crop. He is actively looking into a few agricultural products that can help him. Many beginning and experienced farmers face these issues.

Who does the problem affect? Persons who do Agriculture

What are the boundaries of the problem? Labor co	st, Cope with climate change, soil
erosion and biodiversity loss.	
What is the issu	e? Loss of agricultural land and the decrease in the
varieties of crops and livestock produced.	
When does the issue occur? Increasing	g pressures from climate change, soil
	erosion, its mostly starts from first day farming
Why is it important that we fix the problem?	It is required for the growth of better-quality
food products. It is important to maximize the crop yield. It is important to maintain soil richness	
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.	
	Some search results info from internet based
on crop planted. Arduino microcontroller to control the process and various sensors for	
using MIT App Inventor.	data. An alert message using GSM. An app built

## **Example:**

