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Ideation Phase
Define the Problem Statements

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Date	17 October 2022
Team ID	PNT2022TMID04753
Project Name	IoT Enabled Smart Farming Applications
Maximum Marks	2 Marks

Customer Problem Statement Template:

Mr.Ramesh is a farmer who cultivates crops depending on the seasonal variation. Usually he cultivate cotton, groundnut, turmeric in his field. He faces some issue in maintaining the crop to produce more yield and to regain his investment towards the farm. Since the farm is far away from his home, he face some difficulties in overviewing the crops, watering the crop at specific time is also a difficult task . So he was looking forward for new technologies which can help him in producing more cultivation.

1. Who does the problem affect?
2. What are the boundaries of the problem?
3. What is the issue?
4. When does the issue occur?
5. Why is it important that we fix the problem?
6. What is the solution to solve this issue?
7. What methodology used to solve the issue?

These are the questions these can keep us in a correct way to approach our desire.

I am	I'm trying to	But	Because	Which makes me feel
a farmer in a small village	introduce new methods in agricultural sector through IoT	I'm facing biggest challenges due to lack of information,high adoption costs,security concerns etc	it may take several years before we have sufficient data to fully implement the system	dissatisfied by the current scenario

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A groundnut cultivator	Cultivate healthy, pest free and fresh groundnuts with high yield	I can't able to manage adequate water supply to the plants	It requires consistent care towards farm for better yield	To think for new smart technologies which can ease my work.
PS-2	Cotton cultivator	Cultivate fresh and pure cotton with large quantity	Requries more water than any cash crop	It requires huge data manipulation of nearby markets.	To think forward for new technologies that help to get more productivity and benefits.