

Ideation Phase
Define the Problem Statements

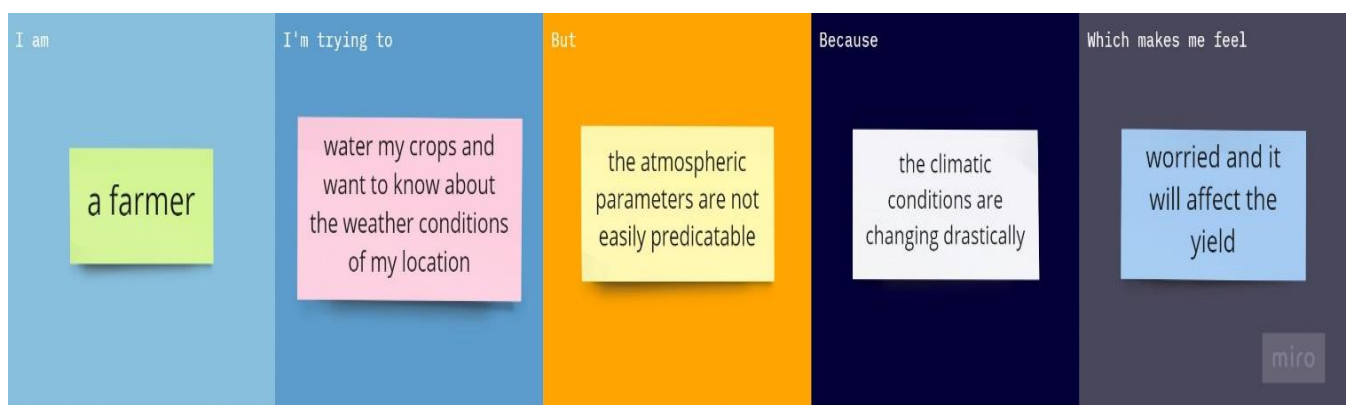
Date	19 September 2022
Team ID	PNT2022TMID27433
Project Name	Smart Farmer - IoT Enabled Smart Farming Application
Maximum Marks	2 Marks

Problem Statement:

Indian agriculture is being plagued by various problems. These problems, directly and indirectly, affect the life of a farmer. Farming practices and other activities of agriculture consume time as well as the efforts of a farmer. The drastic climatic change also affect the productivity and yield of farmers. These problems faced by farmers go unnoticed in the entire process of harvesting crops.

The major problem among these is the requirement of water for irrigation which needs to be supplied in precise amount for proper growth of crops. The weather conditions like temperature, humidity, soil moisture, etc., also plays a vital role in the cultivation of crops. These kind of problems need creative technological solution for healthier and large crops.

Customer Problem:



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a Farmer(cultivating paddy)	cultivate paddy with required amount of water.	the water should neither be less nor exceed the required amount of water.	if the water is less, it will lead to poor growth and health and also over-watering or too much rain can also lead to bacteria, fungus, and mold growth in the soil.	concerned about result of my yield.
PS-2	a Farmer (cultivating wheat)	cultivate wheat with right amount of water.	the water should not exceed a particular amount.	seeds would get destroyed due to excess water.	distressed about my produce.