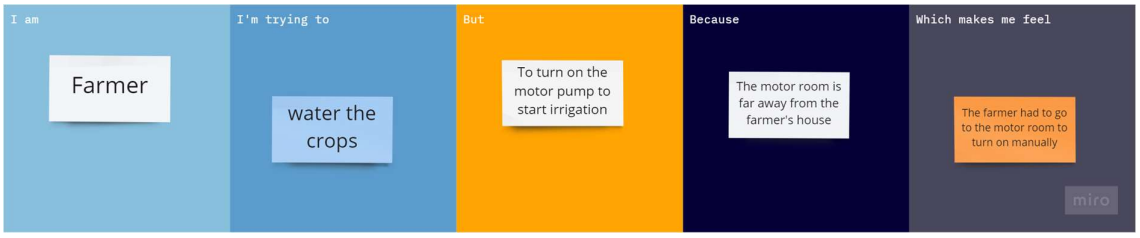
Ideation Phase

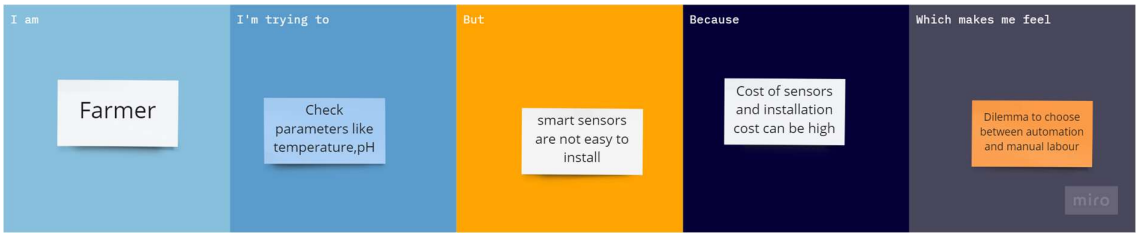
Define the Problem Statements

Date	15 October 2022
Team ID	PNT2022TMID27964
Project Name	Smart farmer: IoT enabled smart farming
Maximum Marks	2 Marks

Customer Problem Statement:

A young farmer who want to start his farming business by growing various crops on his field. Since he is young he may not know about the traditional methods of farming. But the farmer is literate and knows how to operate applications on certain degree. Therefore by building a mobile application which will show data about various factors such as temperature, humidity, pH value of the soil etc. Also the farmer can operate motor pump from remote area to turn on using the same mobile application and can also set a schedule based on when to irrigate the field. This will ease the farmer's work and it will reduce the manpower required for farming. Thereby the farmer can reduce the cost of labour be more efficient.





Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel

PS-1	Farmer	Water the crops	To turn on the motor pump to start irrigation	Motor room maybe far away from house	Burden of turning on motor and watering plants manually
PS-2	Farmer	To check parameters like temperature, pH, moisture	Smart sensors may not be easy to install	Cost of sensors and installation can be high	Dilemma to choose between automation and manual labour