

Ideation Phase

Define the Problem Statements

Team ID	PNT2022TMID14561
Project Name	Smart Farmer - IOT Enabled Smart Farming Application

Problem Statement :

- IoT-based agriculture system helps the farmer in monitoring different parameters of his field like soil moisture, temperature, and humidity using some sensors.
- Farmers can monitor all the sensor parameters by using a web or mobile application even if the farmer is not near his field. Watering the crop is one of the important tasks for the farmer.
- They can make the decision whether to water the crop or postpone it by monitoring the sensor parameters and controlling the motor pumps from the mobile application itself.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Farmer	to water the crop or postpone it by monitoring the sensor parameters and controlling the motor pumps from the mobile application itself.	it requires an unlimited or continuous internet connection to be successful.	All the information is sent to mobile and to see the data of all the sensors we need continuous network	Frustrated because sometimes sensors send wrong information and providing continuous internet is difficult