IDEATION PHASE

Brainstorm & Idea Prioritization

Problem Statements

Team ID	PNT2022TMID16026
Project Name	Smart Farmer - IoT Enabled Smart Farming Application

PROBLEM STATEMENT

Ideally, each field should get just the right amount of water at just the right time. Under-watering causes crop stress and yield reduction. Overwatering can also cause yield reduction and consumes more water and fuel than necessary.

IDEAS OR SOLUTIONS

- To automate the irrigation process
- Sensors can be used to monitor different parameters in the field
- Different parameters like soil moisture, temperature and humidity can be sensed using sensors
- Making arrangements to monitor these parameters through web or mobile applications
- The decision for watering crops can be taken by the farmers based on the sensed parameters
- The motors operating for irrigation can be controlled through the mobile application
- The application can be used even if the farmer is far away from the field

ABSTRACT

To automate the farming process by monitoring various parameters and controlling it through web or mobile application for the ease of farmers