

PNT2022TMID07016 – IDEA 1

SMART FARMER - IoT Enabled Smart Farming Application

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PROBLEM STATEMENT:

- IoT-based agriculture systems help 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 farmers.
- 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.

SOLUTION:

- In the field we place the sensor like soil moisture, humidity and temperature is used to take the reading of the field.
- The readings from the sensors are updated to the cloud storage.
- Users can analyze the situation and the data of the sensors by the mobile application.
- Using this data, users can automatically make decisions and irrigate the field by using the application and also stop the irrigation in the field.