PNT2022TMID07016 – IDEA 1

SMART FARMER - IoT Enabled Smart Farming Application

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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 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:

1. To sense the soil moisture, humidity and temperature the sensors are placed in the field.
2. The readings from the sensors are updated in the mobile application.
3. User can analyse the temperature level and humidity ,based on that the user can decide whether to irrigate or not
4. If the moisture level when increase or decrease, based on the moisture level, the notification is sent to the user.