PNT2022TMID07016 – IDEA 1

SMART FARMER - IoT Enabled Smart Farming Application

S.Sathish kumar

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 feild.
- 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.
- The level of water in the river and well can be monitored and also updated to the cloud.
- The water level in the field is low then automatically the motor is on and then waterfall in the field.

- Then the water level in the field is maximum then the motor is automatically turn off