

Empathy map

- 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.



SmartFarmer - IoT Enabled Smart Farming Application

Think and feel

Automatic irrigation system based on climatic conditions

Controlling motors pumps with the help of web or mobile application.

Monitoring of different parameters like soil moisture, temperature, humidity etc.

the sensors can be used to monitor soil moisture, temperature and humidity

the web and mobile applications can be created to control notor pumps

motor pumps can automatically turn on and off for critical conditions monitored by sensor

say and do

Normal irrigation system without any

automation

no climatic conditions monitoring

See

soil mositure
cannot be
monitored and
cannot be
automate motor
pumps

Farmer

climates and weather conditions changes rapidly

the sensors
need to
accurate and
efficient

the watering
system should
stop within
stipulated time

Hear