1

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

To avoid the improper irrigation and insufficient fertilization and delayed knowledge about the pesticides affection on plants, As a team we are proposing a solution where the plants will be monitored regularly and can be controlled regularly and the data will collected and stores for next cultivation which will reduce the mistakes and improves the cultivation

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

Karthick raja S

- The user can monitor these conditions in mobile application with the help of Wi-Fi module through IOT
- Data collected by sensors is transmitted on the cloud, where it is processed and notify the users
- IR sensor could used to detect the pest, birds, and humans by their body temperature and alerts the farmers
- By cloud data, any changes in sensor data we can easily determine weather condition and sends alert through mobile application

Jayakumar M

- Sensors can be monitor and track the status of crops and insects.
- Automated water pumping system to irrigate the crops according to requirement of plants.
- Wireless Sensor Networks (WSN) to monitor livestock from entering the field
- Live data about crops and soil can be sent through mobile notification.

Gobinath G

- Agriculture IOT system accurately monitor various like polyhouse. By using temperature sensor and also integrates cloud based recording system
- A PIR based detector is used to sence movement of people and animals
- When the temperature exceed a limit, motor for spraying the water will be turned on and if the moisture content of soil goes below a predefined value
- Send live data of sensors,which can be accesiblie from distant places using web application

Boobalan R

- The mobility Smart farming applications should be tailored for use in the field.
- Monitoring of climate conditions they collect various data from the environment and send it to the cloud.
- Optical and Radiometric Sensor can be used to detect fertilizer needed to soil
- Use sensor to monitor and adjust environmental parameter like moisture

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

20 minutes

using Internet of things

- IR sensor could used to detect the pest, birds, and humans by their body temperature and alerts the farmers
- Wireless Sensor Networks (WSN) to monitor livestock from entering the field
- Optical and Radiometric Sensor can be used to detect fertilizer needed to soil
- A PIR based detector is used to sence movement of people and animals
- Sensors can be monitor and track the status of crops and insects.
- when the temperature exceed a limit, motor for spraying the water will be turned on and if the moisture content of soil goes below a predefined value
- Automated water pumping system to irrigate the crops according to requirement of plants.
- Use sensor to monitor and adjust environmental parameter like moisture

Using web application

- The mobility Smart farming applications should be tailored for use in the field.
- send live data of sensors,which can be accesiblie from distant places using web application
- The user can monitor these conditions in mobile application with the help of Wi-Fi module through IOT
- live data about crops and soil can be sent through mobile notification.

Using Cloud Technology

- Monitoring of climate conditions they collect various data from the environment and send it to the cloud.
- data collected by sensors is transmitted on the cloud, where it is processed and notify the users
- by cloud data, any changes in sensor data we can easily determine weather condition and sends alert through mobile application
- agriculture IOT system accurately monitor various like polyhouse. by using temperature sensor and also integrates cloud based recording system

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes