IDEATION DIAGRAM

IOT ENABLED SMART FARMING APPLICATION

GROUP IDEA

Today technology has become a necessity to meet current challenges and several sectors are using the latest technologies to automate their tasks

Advanced agriculture is envisioned to enable producers and farmers to reduce waste and improve productivity by optimizing the usage of fertilizers to boost the efficiency of plants

It gives better control to the farmers for their livestock, growing crops, cutting costs, and resources.

It is a high-tech system to grow crop cleanly and sustainably for the masses. It is the application of modern Information and Communication Technologies in agriculture.

ABSTRACT

IOT smart agriculture products are designed to help monitor crop fields using sensors and by automating irrigation systems. As a result, farmers and associated brands can easily monitor the field conditions from anywhere without any hassle.

1 HEMAMALINI K

The quick collection of data allows farmers to get insights fast and predict issues even before they happen.

Farmers use the data to make accurate decisions and accurately allocate enough resources for farming efficiency.

The IoT-enabled agriculture solutions enhance the agility of the farming processes.

The prediction and real-time monitoring systems make farmers control the entire crop production process without hassle.

2 LOKESH S

The processes like pest control, fertilizing, and irrigation are increasingly becoming automated, and farmers can control them remotely.

The use of smart IoT sensors can maintain these processes, increasing crop production.

IoT is reshaping every aspect of the agricultural sector.

By quickly detecting anomalies and inconsistencies in crop production, farmers can reduce waste and control costs while increasing productions a huge impact on the organisation

3 LAKSHMI PRASATH S

Automating processes in planting, treatment and harvesting can reduce resource consumption, human error and overall cost

Analyzing production quality and results in correlation to treatment can teach farmers to adjust processes to increase quality of the product.

Drones equipped with sensors and cameras are used for imaging, mapping, and surveying farms.

IoT based smart farming increases efficiency in every way imaginable.

4 HARISH KUMAR S

farming equipment can be monitored and maintained according to production rates, labor effectiveness and failure prediction.

Accurate soil data is one of the most valuable resources for farmers to grow quality crops.

It increased harvest and provides shorter time-to-market

Improper management of resources provides poor customer service.