

Ideation Phase

Date	19 September 2022
Team ID	PTN2022TMID19889
Project Name	IOT Based Smart Crop Protection System for Agriculture
Maximum Marks	4 Marks

IDEATION

Idea 1:

By using sensors to collect data on weather, soil moisture, crop health, and real-time locational asset tracking (RTLAT), farmers can make more informed decisions about how to care for their crops. Farming management approach that uses digital technologies to enable farmers to make better decisions about where, when, and how much to fertilize, irrigate, and spray pesticides

Idea 2:

Crop monitoring involves the use of sensors, drones, and satellites to monitor crop health and identify locations requiring attention. Crop monitoring systems also include all data such as crop health, humidity, rainfall, temperature, and more.

Idea 3:

Irrigation management uses sensors to detect when and how much water is needed by individual plants. This saves water and also reduces weeds and runoff.

Idea 4:

Farmers employ satellite weather forecasts to decide when it is appropriate to plant or harvest in the course of the season. Weather stations with smart sensors can collect data and send valuable information to a farmer.

Idea 5:

The objective of this project is to offer assistance to farmers in getting Live Data (Temperature, Humidity, Soil Moisture, Soil Temperature) for efficient environment monitoring which will enable them to increase their overall yield and quality of products.

These are the idea finalize by our team and an idea will be implemented by our team.