**PROBLEM STATEMENT**

Develop a system for predicting cotton crop production and probable pest, disease, and insect attacks (before at least 15 days and more).

(Technology Bucket: Satellite images, Cloud computing, Big Data,

In-field sensor data, drone imagery, and other IoT data

**EXPECTED OUTPUT**

* To create an app-based forecasting system that can forecast potential pest, disease, and insect attacks on cotton crops. Instead of using general recommendations, forecast the cotton crop yield production for farmers in the Vidarbha region using farm historical data, local terrain, weather scenarios, and numerous sensor inputs.
* tThe prediction is anticipated to be made at the farm level so that each farmer may act right away.

**WAYS THAT IT HELP FARMERS**

Farmers can act right away, which leads to better crop yields and increased profitability. High Yield and directive direction.