Define a problem statement

for

Estimating the crop yield using

Data Analytics

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The USER needs a way to identify :

- The Farmer/User needs to find out the land type, land production.

- the Machine Learning based on prior crop prediction, soil quality analysis to achieve high crop yield through out technology solution

- Doing effective diagnosis on his/her land.

- The Farmer/User needs to find out the Climatic conditions, sum of profit respective to expenditure .

- Keep up to date crop yield records for analysing & predicting production

Problem statement :

1. Sham is a Farmer who produces low yield in crop. For sorting out this problem he needs to take analysis about soil fertility of his land

2. Saran is an industrial expert who lacking in profitability and marketing for his crop yield. For that he needs to take analysis of the climatic conditions in his yield region

3. Joseph is land owner who needs to analyze the best pest resistance to pest and disease for his crops which will be suitable accordingly.

4. Venkatesh is fertilizer shop keeper who needs analysis on the crop of varietal adaptability to know what kind of fertilizers should be used for his crops and lands

Solutions

- The effective analysis of data of the crop yield, land variety , land type, climatic conditions and etc., leads to the best solution of increasing the predicting the crop production
- The analysis of Satellite imagery data can monitor soil conditions for identifying the best scenarios for crop production.
- Analysis of Machine Learning based on prior crop prediction, soil quality analysis to achieve high crop yield through out technology solution. The main objectives of this project is to predict crop yield which can be extremely useful to farmers in planning for harvest and sale of grain harvesting.