Crop prediction based on Soil Nutrient Estimation

Introduction:

The aim of this project is to create a software that provides crop recommendations for a place given to its location, the intended date of sowing and the crop type.

Functionalities of the system:

Growth of plants depend upon their location of sowing, time of sowing and the weather. The location of the farm will tell us about its soil consumption and also the pests prevalent in the area. The location and time will together give us an idea about the weather in that location. All crops for proper growth, have their own ideal soil nutrient compositions and pest resistance.

Modules in the system:

The system includes the following modules:

- Interface creation for crop table management where the farmer will enter his her location
- Storing the details of location, soil,nutrients,weather,crops,pests in well-defined database.
- Predicting the best suitable crop based on the data stored in the database.

Benefits:

This system helps the farmer to predict whether the crop is fit for that location and time, and in addition, the software will also suggest its recommendations to further inform upon alternate options that may be possible be of better value. This project will be designed to be a web based application since the main use of this application would be farmers and farmers have to access this from remote locations.

Name of the Team:

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Development Platform:

- For Database - MYSQL
- Frontend - Multiple Languages
- Frontend and Backend will be connected by PHP.