

ABSTRACT

“Farmer’s Assistant” is a website. It is for the automation of Farmer’s, Realtor and Supplier. This system works as a virtual assistant which guides the farmers by answering all their queries regarding agricultural practices, thereby helping them generate higher profits. This innovative site allows for good farmer, retailer and supplier communication. It allows farmers to login and communicate to respective dealers. When dealers publish an advertisement or offer, the respective farmers get notified. The farmers may also submit their grievances and complaints to respective dealers or authorities using their farmer login on a separate complaints page and authorities will get access to that page regularly using their login id and passwords.

The Users included

- Admin
- Farmer
- Realtor
- Officer

Admin

1. Visit the Farmers, Realtor’s and Add Officer’s for a specific location
2. Alert Farmer’s for new updates
3. Update the Details of Crops or Fertilizers
4. List Available Projects

Farmer

1. The person who register to this application who own the fields for cultivation
2. The Farmer can view the list of fertilizers and crops updated by the admin or Farmer’s and order them
3. He can also view the updates from admin, officer and also perform actions

Realtor

1. The Person who is deal with real estate.
2. He can buy land from farmer’s or sell the property itself
3. The Realtor can also promote his properties via publishing it to the website

Officer

- 1.The Person who is ordered by the Admin
- 2.Upload New pH value based on the assigned location

The Functionalities of the application

- Login / Sign-up Module
- Account Settings
- Pages where Admin and Realtor's may post their ads and notifications.
- Farmers are notified of these notification whenever new ads are published.
- A separate page where only farmers can view the current situation from the admin or officer
-

The Natural system studied

Now a days the farmers have to go to the local Krishi bhavan to know about the next crops to be cultivated based on the instructions and they don't have any idea why they are following those instructions so the farmers will do like the others do. It is not possible to know which fertilizer was used for my crop. All these fertilizers are used as per instructions received from Krishi bhavan. People who produce fertilizers for agriculture themselves are not able to promote their products. It is also known that there are any plans for agriculture from Krishi Bhavan. Farmers have to contact third parties to sell their land. Farmers can sometimes get cheated in these sales. Farmers don't get suitable farmland and don't know about it. Preventing the new generations of people from entering agriculture. The farmers didn't know the exact reason when his crops get affected. Farmers need to consult the agriculture office manually for testing the crops

Working of the Designed System

This Web service allow the farmers don't need to go to Krishi Bhavan to know what to grow in their farmland. It also informs the farmers about what crops to grow on their land and gives them an understanding of the appropriate crop and fertilizers. It helps to reach all of the govt schemas related to agriculture to the corresponding hands of farmers. This helps to bring the new generations into agriculture. It encourages people who have desire and interest to run in the field of agriculture. It helps land buyers to contact farmers directly and it also save them from the cheating of the third party's land sellers. The farmers can also promote their own crops or fertilizers through this online medium. This is an online platform that helps farmers to sell as well as buy their agriculture land. The Farmers can upload the clear and visible image to the website and the AI that can predict the disease and its cause automatically with in seconds and also promote medicines too. The AI is used to predict the weather condition if its possible for a crop to be cultivated

Technologies used

Front end: HTML, CSS, Bootstrap

Back end: PHP, MySQL, Python, AI