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Pesticide Suggester

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Abstract: The agricultural application provides a good pesticide to the farmers . If a user searches the details about the disease of the crop then it directly shows the pesticide which is related to that disease . Then farmers or the end users directly look into the details of the pesticide and finally user gives a feedback. Generally , farmers do the farming but actually they don't know which pesticide to use for the each and every crop , they may confuse and keep wrong pesticides which effect their crop. So for this , we will create an application and in that if they searches the disease of the crop it automatically suggests the pesticide related to that.

Keywords: Farmer , Application , Pesticide , Crop Disease , Feedback

I.INTRODUCTION

Usage of different agricultural pesticides leads to damage of crop sometimes it gives loss to the farmers.Which is a very common problem we are seeing in our neighbourhood.Our application will help the farmers to solve this problem,By using our app they can know which pesticide is useful for their crop .The application will have both pesticide details and youtube links where a person can easily watch and know about the pesticide which is suitable for their crop.

A. Problem Statement

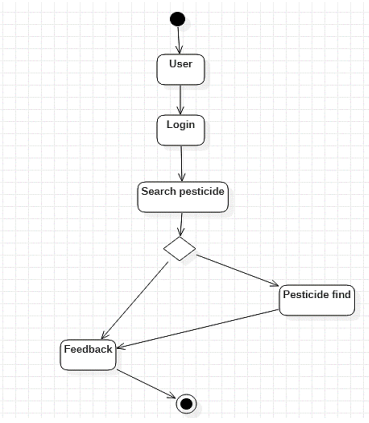
Generally , farmers do the farming but actually they don't know which pesticide to use for the each and every crop , they may confuse and keep wrong pesticides which effect their crop. So for this , we will create an application and in that if they searches the disease of the crop it automatically suggests the pesticide related to that.

B. Literature Survey

Rampant use of pesticides with a promoted view by producer to have maximum crop yield has made Jalgaon district enjoy the status of 3 rd rank. Therefore, it cannot be denied that use of overdose of pesticides does interact with water, soil and crops alternatively may affect life. Central part of the Jalgaon district is covers thick river alluvium hence leaching of chemical pesticides is effective. Thus the present work focuses on assessment of pesticide residues in soil, groundwater, vegetable and fruits; it will also correlate the impact of this contaminated groundwater, soil and vegetables intake with its effects on the human health. A selected vegetable, soil and groundwater samples were collected from the agricultural area and fruit samples taken from local markets of Jalgaon, India. These samples used for pesticide residual analysis. Gas chromatograph/mass spectrometer (GC/MS) was used for quantitative and qualitative analysis of pesticides. The pesticides results show that the Aldrin, Dieldrin and Endosulphan were observed in all vegetable samples beyond the prescribed limits of Bureau of Indian Standards. Pesticide residues are also observed in groundwater and soil sample in trace amount.

II.PROPOSED SYSTEM

A.Flow Chart



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B.Proposed Idea

Creating an application which is very user friendly to the user. Farmers directly login into their account and choose the pesticide which best chooses their crop.

III. EXISTING SYSTEM

Farm Key App is an Android based mobile application. It provides user interface which makes the shopping easy for farmers and also makes the delivery of products easy and less time-consuming. Farm key offers a wide range of hybrid seeds, fertilizers, pesticides, genetically modified seeds, fungicides, insecticides and more. In addition to being an information portal, Farm Key App is also an online marketplace for bringing in farmers, Farm Key input, retailers & fulfillment services on a common digital platform. Farm Key App is powered by passionate professionals and dreams about making agriculture more sustainable, in terms of both ecology and economy, with the help of technology in a short time. This is an agriculture app for farmers that will be greatly beneficial to the farming community.

Farm Key App works to fill the gap between farmers and accurate strategic Agricultural information, with the involvement of Agriculture Experts. Thus, enabling farmers to reach high-efficiency technology-enabled agriculture production and marketing of the Agriculture produce, ensuring a win-win situation to Farmers and Agriculture Economy.

IV . DRAWBACK OF EXISTING SYSTEM

Though, Farm Key app is helpful to farmers in some cases it fails to help them. One of those cases is suggesting the pesticide. That means when a farmer buys a huge number of pesticides and starts farming, at the end he realizes either there is more or less than required pesticide in that case he cannot select the required pesticide. So because of this problem there will be wastage of concoction.

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V. IMPLEMENTATION

Implementation is an important phase where the development of the proposed system is based on the decisions made previously in the design and system requirement phase.

The modules are as follows:

A)**Login Module:**

- Users can login to the system through their email with credentials given at sign up.
- Users can access the home screen and can see their respective profiles

B) Farmers Profile :

- After login into the account farmers can see their profile.
- And they can see the details of the pesticides.

C)Search Module:

- In this search module the farmers can type the details of the disease of the crop.
- In the below of the search button , it shows the pesticide details.

VI.CONCLUSION

It is aimed at automating the existing manual system for approval of project and process the approval request through faculty. It helps in maintaining the records of the students which will help the faculty team to manage project approval and documentation It is useful in organizations with a large number of students with various departments. It's a quick process as it takes less time when compared to a manual process.It is very reliable and it leads to efficient data management.

VII. FUTURE ENHANCEMENTS

We can plan for doing this like sales of the pesticides too. Like amazon and flipkart like selling the pesticides in the application only. Then they can directly buy the pesticides within the application only. It is a very user friendly application and it uses in all aspects in point of farmer and finally they give a application feedback .

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