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Secure Farmers Corner Implementation using Android based Development

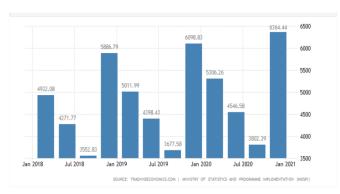
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Abstract - The gift of green revolution is the beginning of modern agriculture. From there we started seeing new forms of agriculture. That journey continues to this day but we keep seeing the same thing. Like a fox who jumps and does not get grapes. What? That knowledge.. yes knowledge. So this is just a small attempt to provide information from the amp. The following important topics are covered in this app. Farmers, Agricultural crops, Agricultural management, Modern agriculture, Weather, Business related to agriculture, Online 7/12 excerpt, Laws regarding lands.

INTRODUCTION

India is an agricultural country. 80 to 90% of the people depend on agriculture for their livelihood. Due to a lack of proper knowledge of fertilizers, pesticides, and spraying and how often and how much to apply, crop yields are reduced and soil fertility is also reduced and farmers have to bear huge losses. The various schemes for agriculture are implemented by our government but they cannot avail the benefits of those schemes as they do not have sufficient information. We have come up with an application only for the benefit of farmers. All the information regarding the crop of chemical fertilizers will be on this amp. Information on government schemes can be found on this app. So farmers can avail the benefits of those schemes. All these can increase production.



India's farm growth from 2018-2021

1. USER BASED PROBLEMS

1. Many applications force the user to register without having shown anything of what they can offer. This is one of the most frequent errors in the level-opment of apps.

2. Mobile devices especially smartphones are not the most comfortable elements when filling pages and pages of registration forms.

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- 3. Lack of vision about the use of mobile technologies.
- 4. Reaching offline customers who do not access the internet makes the process difficult.
- 5. Problems related to applications like not working properly or running slowly.

2. LITRETURE REVIEW

Applications like Information and Communication Technology in agriculture are important. E- Agriculture involves the formulation, different designs, development, and application of creative communication technology in the outback. With a primary focus on Agriculture. Information system enables a farmers to have specific information about harvest. Such as different varieties use the information and focus on agriculture and their Specific needs like soil, temp, fertilizers, time of planting, maturity. Distances between plants, Rainfall, Sun rays, etc. Of that crop. This application calculates the volume efficiency of the harvest yield.

2.1 PROBLEM IDENTIFICATION

The big problem of agriculture farmers is the unequal amount of sources and less knowledge to encourage their productivity do not cognizant of the various government scheme and another big issue is considered. But Sometimes natural disasters like storms, earthquakes, landslides, and changes in the weather is responsible for the growth of Crop

2.2 USER INTERFACE

- 1. Front end software: ASP.NET, Internet Explorer 7.0 above/Firefox 3.6 and above/chrome.
- 2. Back end software: Microsoft SQL, Server 2005

2.3 SOFTWARE QUALITY ATTRIBUTES

- 1. Availability: User must be registered.
- 2. Correctness: User must give correct user id and password while login in software.

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- designed and implemented which helps the farmers 3. Maintainability: The database must maintain correct user id and password. achieve the mentioned objectives.
- 4. Usability: The system must mine/search data from central database or distributed database to satisfy user's needs.

2.4 SYSTEM METHODOLOGY

First when we open the application there is registration page. In that registration page we have to give user information like name, email, password etc. After registration there is a login page for user. In that login page user have to fill information like email which is register to their account and password. After that there is option that add and manage plant type data means there is a information report of different plant types and data type of various plants. Next we have to add the district data and manage that data. After adding the district data we have to add the village data and manage it. There after add and manage the data on plant commodities. Agricultural commodities means tangible personal property produced through the raising of plants or animals useful to people. And lastly we have to add and manage the potential data.

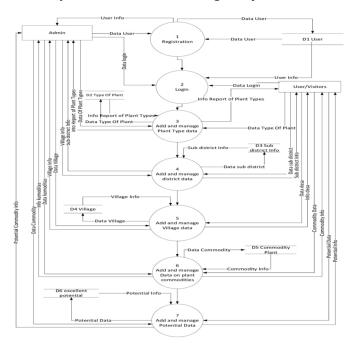


Fig. System Diagram

3. Applications

Agro-Information System that enables a farmers to have relevant information about a crop, such as the varieties and other requirements like soil type, temperature, type and quantity of fertilizer, time of planting, time of maturity, planting distance, diseases, pest, and disease control measures, rainfall, sunshine, etc. of that crop. The level of application of this information determines the volume and efficiency of the crop yield. AIS software is

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4. SECURITY ISSUE

- 1. Application- Focused Threats
- 2. Cryptojacking
- Man-in-the-Middle Attacks
- Malvertising
- 5. Phishing
- 6. Component-Based Threats
- 2. Cryptojacking it is type of cyber crime in which criminal secretly uses anyones computing power to generate cryptocurrency
- 3. Man-in-the-Middle Attacks it happens when hacker join themselves between a website and use 4.Malvertising it is a new cyber attack that injects malicious code in the digital adevrtisement 5.Phishing in phishing we see that urgent messages about our bank account and related to our credit card etc .are seen. There are different types of phishing like Spear Phishing.

5. CONCLUSION

Farmers will get full information about the crops like soil types pesticides insecticides and which weather is good for harvesting and for this application user only needs a smartphone or computer having an internet connection. Users will get information about harvest for example their particular soil type weather-related information etc. The main purpose of developing this application is to help the farmers from Indian villages.

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