An Efficacious E-Portal for Rancher to Buy Seeds and Humus

Raghu Raman D, Saravanan D, Nivedha R

Abstract: *Nowadays agricultural development and agricultural productivity has been increased with many updates in traditional agricultural practices. There are many technologies were arisen to increase farming practices. But they could not bereceiving the entire profits for the products as there is an involvement of third-person for buying seeds and fertilizers. These are the major problems identified in the existing system. In order to overcome these issues our paper is to develop a web portal for rancher to buy seeds and fertilizers at optimal price by themselves by eradicating the middleman. This portal also provide the details of seeds from all over Tamil Nadu by listing the seed details with prices in table format by scrapping the web elements from existing web portal. This site also developed for the consumers to bid/ask the seeds directly from farmers.*

Keywords— Traditional, Rancher, Eradicating, Middleman, Optimal price

I. INTRODUCTION

Agriculture is known as skill of cultivating plant or crops. A large population in our nation majorly depends on farming to satisfy their daily needs. Our Indian farming system has been increased with many new technologies to produce maximum farm products and globally India offered with the second position.

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Raghu Raman D, Senior Assistant Professor,Department of Computer Science and Engineering, IFET College of Engineering, Villupuram raghuramanmpt@gmail.com

Saravanan D, Associate Professor Department of Computer Science and Engineering, IFET College of Engineering, Villupuram, saranmds@gmail.com

Nivedha R,UG Scholar, Department of Computer Science and Engineering, IFET College of Engineering, Villupuramnivedhar0198@gmail.com

This portal is developed to view the details of seeds from several part of the area so that farmers can know the details of seeds with their cost at this site instead of searching in other websites. We knew that farmers are built as the backbone of India. They are spending larger amount of cost for producing the products at every season but there is no benefit for them at the period of farm yielding. So for these issues there are many technologies were emerged for farmers and also there are numerous web application and mobile application were available in the market. Our nation is an agriculture based country with rapid growth. This paper is to suggest a solution for a problem such as some web pages are inefficient to use and they could not be able to access without any third person. The portal can be accessed at their dependable languages. This was developed in PHP and enablethis system to combine the scrapped web elements from the existing web sites. Here they could be able to buy the fertilizers at optimal price.

II. LITERATURESURVEY

There are various surveys and also feedbacks with technologies are reviewed from existing papers and portal that are listed in the literature survey.

1. The Farmer's Intel paper describes that this application is to know more about market information which will act as unique interface of schemes and compensation for farmers which was given by Mohan Kumara V et all [1].
2. Mobile Applications Used for Farmers Gyanappa A.Walikaret all suggests an Android based solution which will be helpful to give solution for Indian agricultural management to improve their crop yield. Thisis a beneficial application to the Indian farmers as it provides the key problems of getting the market updates [2].
3. AGRONOMY-An Android Application Regarding Farmer Utility by Mr. KhairnarGhanshyam et all proposed that the availability of agricultural information directly in a farmer's hand without him being dependent on

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neighbors or zamindars or even waiting for a SMS response from the mKisan portal like schemes, will allow the farmers to take better decisions at right time. This will not only promote greater productivity instead of that it will reduce stress and also instilling zeal to learn new technology which is essential in this era of Digital Revolution in order to improve a farmer's life. [3].

4. E-Agro Android Application (I F M S for sustainable development of farmers) by Shubham Sharma proposed that it will offer skill developing service to farmers about cultivation of crops, pricing, fertilizers, and disease feature method to be used etc. and even suggestions about prevailing techniques for farming, usage of bio- fertilizers, can obtain best crop cultivation in the recent history of the region etc. Their main aim is to bringing the modern agricultural techniques to the remote farmers [4].
5. E-Agriculture Information Management System by SumithaThankachan was proposed that this application has to reach farmers to know the information about crop growing and also to support promoting agricultural products.[5].6.Krishi Ville – Android based Solution for Indian Agriculture by ManavSinghal has been proposed that a mobile based application for farmers which would help for farming activities. They proposed an android based mobile application – Krishi Ville which would provide the updates of the different agricultural commodities, weather forecast updates, agricultural news updates. This application has been designed taking Indian farming in consideration [6].
7. E-FARMING by Sindhu M R et all proposed to guide the farmers in all the aspects, the current market rate of different products, the total sale and the earned profit for the sold products, access to the new farming techniques through e-learning[7].

III. EXISTING METHOD

In the Existing, there is only an option for crop cultivation, irrigation crop management, risk management, fertilizers for the crop. There they also provide the use of above features for every state and districts of India. But there is no option to sell the seeds in online directly to consumers by farmers without any third person. The user must login with necessary details. The major crops are used to list the seeds such as wheat, maize, Rice, pulses, jute, and sugarcane and they also describe the general information about the crops with their varieties. Seed dealers are involved to sell the crops collected from farmers to the consumers. Here the commission is owned by the dealers from farmers so that farmer is not getting any benefit. They are not been aware of the schemes so the application was developed but not efficient foruse.

Disadvantages of Existing System

- This is not more efficient foruse.
- The dealers are involved between the farmers and customer in selling the crops so that the commission had to be pay forthem.
- This leads the farmers not to obtain any benefits.

IV. PROPOSEDSYSTEM

This proposed web portal "AN EFFICACIOUS E- PORTAL FOR RANCHER TO BUY SEEDSAND HUMUS" is developed to introduce the online auction system to bring direct communication between farmers and consumers wherein to eradicate the involvement of third person. Here the farmers can post and can sell their farm produced from their field on their own by choosing the convenient languages for farmers where we developed with options to translate the pages at languages like Tamil, English, Telugu. This web portal can overcome the problem identified in the existing system by improving the efficiency of accessingtheweb pages and direct interaction by farmer to consumer. In this process there are separate login page for farmer and customer/buyer can login as new user by adding them at first time or as existing user who had already created their account. Every farmer is provided with individual login id where their details are stored in database and also attached with corresponding bank for secured transaction. At first farmer can post their seeds with final estimated amount for the seed they want sell with timing for their session. Their bank details are given by them with their knowledge so that bank staff can monitor their details if anyone wants to buy to buy the seeds they must also enter their account details for online money transaction. This is the most secured and easiest mode of payment where nowadays online payment had becomeincreased.

SYSTEM ARCHITECTURE

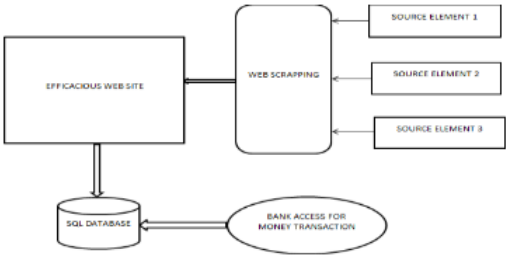

Fig 1.System Architecture

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