

Kisan 360... A Perfect Portal for All Needs of Farmer

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Abstract— Six decades ago, Mahatma Gandhi said the agriculture is the backbone of the Indian economy. The situation remains the same today almost the entire the economy is sustained by agriculture, which is the mainstay of the village. Now a day's farmer sells their product at wholesale price to wholesalers sell them to retailers make more profit than farmers. This application can helps break the chain. Through the application farmer Sell their product directly to customers and make more profit. In this application farmer can sell their equipment and buy new equipment. Farmer can share their information on how to do digital farming. Get information and how to digital farming. Once the farmer's application is there, any farmer can find all relevant information about specific seeds, fertilizers, farming machines, weather forecasting, Market rates etc. This application is easily accessible by the farmers and other users also. Farmers can ask specific question and provide valuable feedback through a specially designed feedback module.

India is an agro based country. The main livelihood of the majoritarian population here is through farming who dwell in villages and feed the whole country. Food is one of the basic necessities of a human being, which is fulfilled by the framers. However, they fail to get proper price of the stock they sell in the market. Hence, they are deprived from getting profits for their stock. This system helps them in getting proper price for their stock and even get profit for their efforts.

Keywords: Farmers, Marketplace, Weather forecasting, wholesalers, retailers

INTRODUCTION

To meet the objective of the proposed system necessary data on agricultural marketing infrastructures such as agricultural produce markets, sub yards' rural periodic markets is under our study. And by having the survey on it we have planned to create a such system which will be really helpful to the farmers in all aspects. So we proposed a web portal which will be acting as a sole marketplace for the farmers where any farmer can sell his own products.

Through the web application farmer Sell their product directly to customers and make more profit. In this web application farmer can sell their equipment and buy new equipment. Farmer can share their information on how to do digital farming. Get information and how to digital farming. Once the farmer's application is there, any farmer can find all relevant information about specific seeds, fertilizers, farming machines, weather forecasting, Market rates etc.

This web application is easily accessible by the farmers and other users also. Farmers can ask specific question and provide valuable feedback through a specially designed feedback module. The farmers who grow crops according to the season and fertility of the soil, after growing the crops they accumulate the crops, further process, pack them, and contact the wholesale vendors regarding the availability of stock.

The wholesale vendor first asks the price to the farmer who tells the price at which he/she can trade. The wholesale vendor aiming for his own profits

negotiates with the farmer regarding the price the poor framers sacrificing them profits generally accept the price quoted by the wholesale vendor. So, he/she sell their stock at low prices due to some unfavourable conditions such as financial problems, unavailability of wholesale vendors or market etc.

PROJECT CONCEPT

In normal situation farmers can sends the product to stack-holder in less price and stack-holder sell same product to customer in high range. In this situation only stack-holder can make profit to overcome this situation then we implement the farmer portal for the farmer and customer than they can easily access this website sell their product directly to customers earn more profit.

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PROJECT DESIGN

This project is based on the database and web based techniques. To keep the records in database it uses MySQL software which is one of the best and the easiest database to keep information. This project uses Bootstrap & HTML as

the front-end software which is a web based Programming and has connectivity with MySQL. The user's details are stored in a database like their name, date of birth and gender. The details are finally connected to the database server. This enables the admin of the application to control and keep track of the number of users.

SYSTEM ARCHITECTURE & MODULES

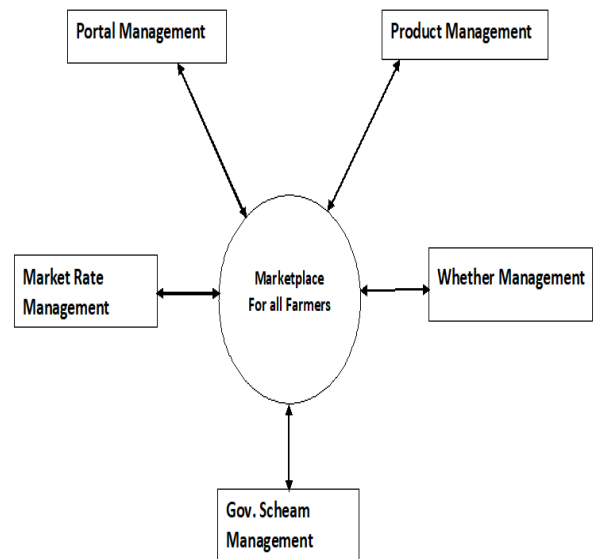


Fig No 1: Basic Architecture of the system

PARALLEL DEVELOPMENT APPROCH

This model of methodology attempts to address the problem of long delay between analysis phase and the delivery of the system. Instead of doing design and implementation in sequence, it performs a general design for the whole system and then divides the project into a series of distinct subprojects that can be designed and implemented in parallel. Once all subprojects are complete, there is a final integration of the separate pieces, and the system is delivered. Here we had used the same technique for development. For this we had divided our main project into two sub projects or we can say in modules. First subproject is to create a chat application and second one is

the detection of the suspicious words present in the messages.

DEVELOPMENT TOOLS

I. PHP

The PHP Hypertext Pre-processor (PHP) is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications. This tutorial helps you to build your base with PHP.

II. Sublime Text 3

Sublime Text is a shareware cross-platform source code editor with a Python application programming interface (API). It natively supports many programming languages and mark-up languages, and functions can be added by users with plugins, typically community-built and maintained under free-software licenses. Sublime Text is powerful where you need it to be, but simple and out of your way at the same time. Great keyboard shortcuts and multi-selection options. Great package manager installation process for easily extending functionality.

III. MYSQL

MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation).

SYSTEM WORKFLOW

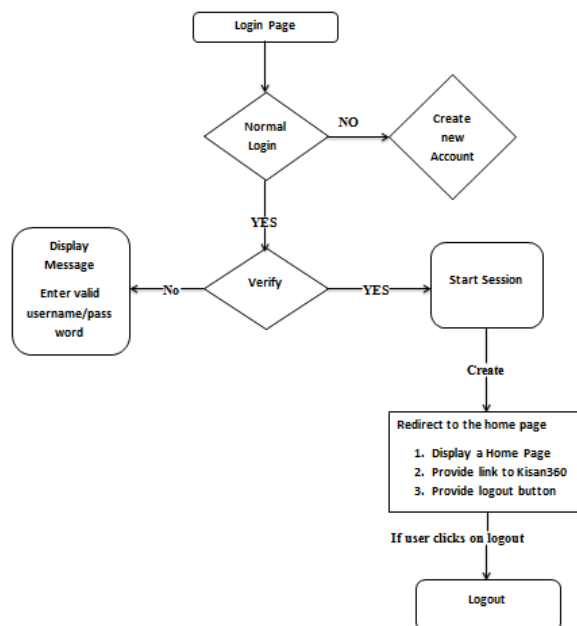


Fig No 2: Workflow of the system

DATA FLOW DIAGRAM

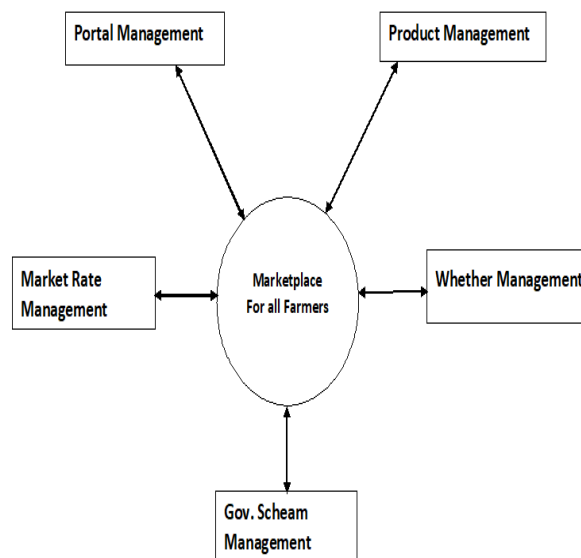


Fig No 3: Data Flow Diagram

APPLICATIONS

1. This system can be used by farmers to sell their agro products and to purchase his needed things for cultivation
2. This system can also be used as an extension to the APMC market.
3. Third parties such Commission Agents & Wholesalers can use this for buying the products.
4. Every individual also can use this system to purchase the products directly from the farmers

ADVANTAGES

1. Profit for buyer and seller
2. Time reducing
3. Easy to understand and handle the website
4. Farmer can earn more profit

LIMITATIONS/CONSTRAINTS

1. Requires Internet connection.
2. Requires Android Smart Phone for easy use.

CONCLUSIONS

This web portal is very useful for farmers as this provides all the marketing related products for farmers and farmers can easily get all the essential products required for farming on a single platform. After using this web portal farmer will no longer face the problems of buying or selling product. Farmers often face the problem in search of tools, seeds, fertilizers, etc. This problem of farmers will abolish now. As each and every necessities things of farming will be available on our web portal. These things will be avail to the farmers at zero price. It is easy to excess. One 30 SIER, Agaskhind Department of Computer Engineering can easily buy or sell the product. There is smooth transaction between the seller and the buyer. Our web portal is a platform which provides the farmers to interact with each other by selling

and buying the products. Hence it can be described as "FARMERS FRIEND".

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