



Online Farmers Market

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ABSTRACT

Online Farmers Market is a web application developed for farmers. This application helps village farmers who want to sell their agriculture products across the country just with some basic knowledge about how to use the website. Through this, the farmer and the buyer will directly interact. Online, the farmer can select the buyer he wants. Farmer gets the notification after buyer requested which crop he wants to purchase. After confirming farmer then only buyer got, he requested products. Amount directly created to farmers account.

1. INTRODUCTION

Farming is the Prime Occupation in India in spite of this, today the people involved in farming belongs to the lower class and is in deep poverty. The Advanced techniques and the Automated machines which are leading the world to new heights, is been lagging when it is concerned to farming, either the lack of awareness of the advanced facilities or the unavailability leads to the poverty in farming.

Even after all the hard work and the production done by the farmers, in today's market the farmers are cheated by the Agents, leading to the poverty. Agro-marketing would make all the things automatic which make easier serving as a best solution to all the problems. Farmer's e-Market will serve as a way for the farmers to sell their products across the country just with some basic knowledge about how to use the website.

The site will guide the farmers in all the aspects. Getting availed to the required information related to the markets and different products can be made possible

through the notification facility. OFM is the web application that will help the farmers to perform the agro-marketing leading to achieve success and increase in their standard of living. The Marketing facility would allow the farmers to have a view of the bills created and the related information in their accounts. An Authorized-agent would serve as a way for the farmers to sell their products in the market.

The Centralized market committee will have control on the Agents through business activities review. In rural area, the SMS facility would give the required market information where internet cannot be availed. Government will put forward the new schemes for the farmers. Compensation will be provided for the farmers in case of any loss to the production due to some natural calamities. Unique interface will be provided for applying and viewing the schemes in the website.

2. MOTIVATION

Agricultural marketing still continues to be in a bad shape in rural India. In the absence of sound marketing facilities, the farmers have to depend upon local traders and middlemen for the disposal of their farm produce which is sold at throw-away price.

In current competitive scenario every business establishment needs quality processes to increase their efficiency as well as improve their productivity. It is of vital importance that manual, time consuming & monotonous operations are automated so as to streamline the working of an organization. Since, the existing system takes more time and manpower for processing. It is keeping in mind this business philosophy that we propose a Farmer's E-Market.

3. PROBLEM STATEMENT

The status of farmers in India is such that they buy everything in retail and sell their produce in wholesale. With different Agricultural Product Market Committee (APMC) acts in different states, lack of clarity on the prices set by these agencies, high lobbying capacity of the middlemen has resulted in exploitation of farmers and crops not fetching the right price.

All transactions, dealings of products, purchasing of products were done manually which is time consuming. Reports are prepared manually as and when needed. Maintaining of reports is tedious task.

To buy any product user has to collect information about it either by visiting the shop or by asking people which is better. There is no computer system for handling payments. All calculations are performed manually which may not always be accurate. Maintaining records is difficult.

4. PROPOSED WORK

In this, OFM website buyer can buy agriculture products directly from farmers. Various types of farmer's products are available for purchase. OFM basically focuses on user friendly interfaces and promotes Farmers to sell the product faster.

OFM serve as a way for the farmers to sell their products across the country just with some basic knowledge about

how to use the website. The site will guide the farmers in all the aspects. Getting availed to the required information related to the markets and different products can be made possible through the notification facility.

OFM is the web application that will help the farmers to perform the agro marketing leading to achieve success and increase in their standard of living.

5. ARCHITECTURE

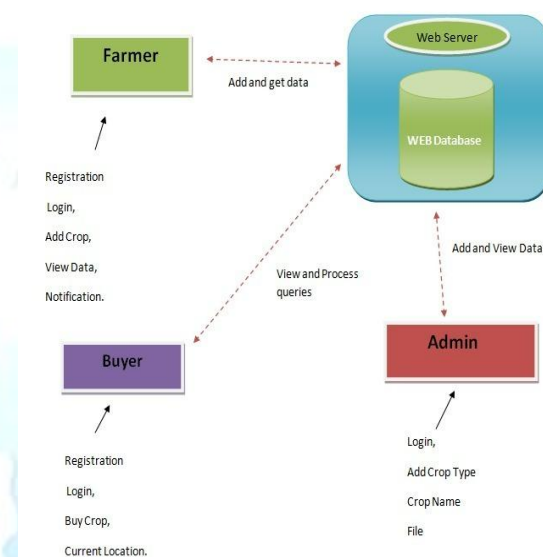


FIG1. Proposed Frame Work Architecture

(1) Admin

Login, add crop type and crop name and file.

(2) Farmer

Register and Login

Add crop which he produced agriculture products

View data

View notification if any buyer buys their products.

(3) Buyer

Register and Login

Buy crop which agriculture products he want to purchase

Current location

Note:

Implementation of payment gateway could not be achieved. Instead we designed the project in such a way so that transaction can be managed virtually where money is directly paid to producer after the purchase of product by buyer deducting the required amount from buyer's account respectively.

6. SOFTWARE AND HARDWARE REQUIREMENTS

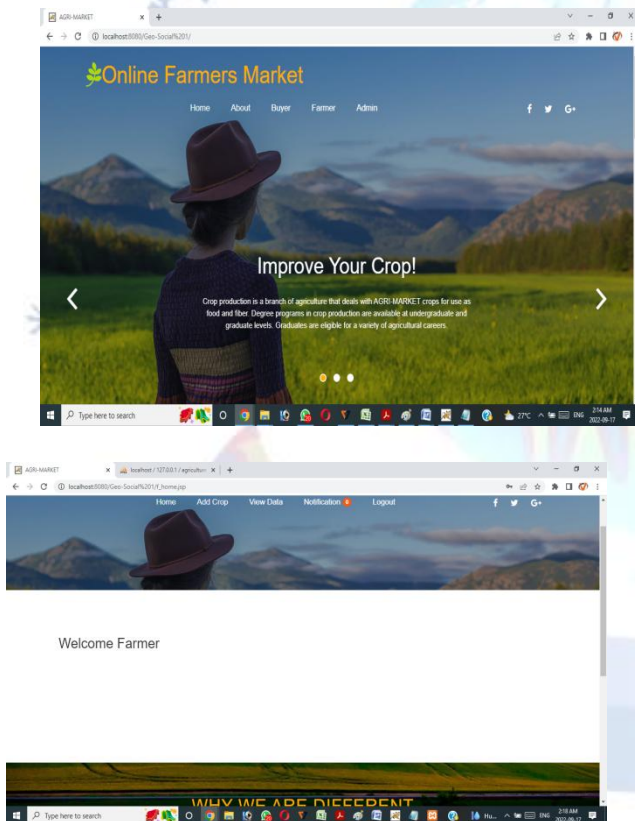
Hardware requirements:

Processor	:	Any Update
Ram	:	Min 1 GB
Hard Disk	:	Min 100 GB

Software requirements:

Operating System	:	Windows family
Technology	:	Java
Web Technologies	:	Html, Html-5, JavaScript, CSS.
Web Server	:	Tomcat 9.0
Server side Lang	:	J2EE
Database	:	My SQL5.5

7. RESULTS



7. CONCLUSION

Project is to build a website which will help farmers from Indian villages to sell their products to different cities. Our system has been developed with much care that it is free of errors and at the same time it is efficient and less time consuming. The important thing is that the system is robust. We have tried our level best to make the site as dynamic as possible. Also provision is provided for future developments in the system.

The project was to provide dynamic online farmers management system to help farmers in every possible way and provide them a stable platform where they can perform every transaction with ease.

Conflict of interest statement

Authors declare that they do not have any conflict of interest.

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