

E-Farmer Self Service

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ABSTRACT: E-Farming is clearly a beginning to have a major impact in the agricultural sector. The way people go about purchasing agricultural products is of great concern. Most of the time customers have to travel far distances to get agricultural products and getting the right quality is not ensured. 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 a great loss. This project aims to help farmers as well as customers for buying and selling agricultural products directly using a computerized approach. The website will guide the farmers to access new farming techniques, compare current market rate of different products, the total sale and the earned profit for the sold products. The website builds a platform for farmers to ensure greater profitability through direct farmer to farmer, farmer to agent and farmer to customer communication. The website will act as a unique and secure way to perform agro-marketing. This project allows viewing various products available and enables users to purchase desired products instantly by online payment.

1 Introduction

Farming is a primary occupation. Majority of the people live on agricultural areas. So, Agricultural institutes, research bases agencies and other resources related to agriculture is vitally important. 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. Now a day, the farmers have to go to the nearest market to hand over his product to a particular agent where agent sells the product to another agent or a dealer. After a specific time the agent gives the collected cash out of the sold products to the respected farmer but every Agent tries to cut his commission out of the earned amount. The whole process is not transparent as there is no way for farmer to know about the deal and the exact amount at which their product was sold. No facility is present for the farmers to know the product rates at different markets where they can sell their products for achieving high profits.

This project aims to help farmers to sell their products in a transparent way. The main objective of this project is to help farmers ensure greater profitability through direct farmer to farmer, farmer to customer communication. It is reasonable to say that the process of shopping on the web is becoming a common place. This project deals with respect to the farmer's benefit of getting their products sold at a best price online. Here, the main users of this website are farmer, customer and admin. Farmers will get unique interface where they can perform marketing, get the correct rates of the market and can add products. It will provide market wise and a commodity wise report to the farmer in interactive way. The admin will control all business activities such as verifying and adding farmers, adding categories and site maintenance. The

customer can login and view the products available and purchase the desired product. E-farming will serve as a way for the farmers to sell their products to everyone just with some basic knowledge about how to use the website. Agro-marketing would make all the things automatic which make easier serving as a best solution to all the problems.

2 Proposed System

The proposed system is the computerized web application. The new approach helps in efficient procurement of agricultural products. It maintains the data through software and helps in faster data processing and report generation. It also aims at farmer getting the maximum profit and transparency is achieved. This system facilitates the farmer to know about the product rates at different market.

2.1 Advantages of the Proposed System

- Easy to acquire desired product from different farmers.
- Finding agricultural product from farmer is easier.
- Procuring products are reliable.
- System is robust and secure.
- Transparency is achieved.

3. Module Description

Admin:

Admin can view, verify and add the registered farmers. Add categories for facilitating the farmers to add the products into that category. Overall site maintenance is done by the admin.

Farmer Registration:

Every farmer has to register into this site and use the same credentials for login. Once they login they get an option of different features to use inside the web site such as adding the products, uploading stock and fixing price for the added products.

Customer Registration:

Customer can login and view the products. They can search for any product and buy the desired product. Products from different farmers are displayed in order to view price, description and to find the expected delivery

4. Conclusion

The “E-Farming: An E-Commerce Site for Agricultural Product” is developed to fulfill the necessary requirements such as providing effective and efficient buying and selling of agricultural products. The system is very much user friendly. The present project has been developed to meet the aspirations indicated in the modern age. Through the developed project, anyone can visualize the effectiveness and efficiency in the real life. It is very helpful for farmers to sell their products since everything has been computerized or automated. This program helps reduce the manual method and stress which is done by a person and that is time consuming and lengthy

process. With this application user's information are stored very efficiently in a secured database. Farmer's goods processing and delivery management is carried out using this project. The project helps administrator to maintain all transactions and customers to view the past product order and deliver details. Since the application is designed as web, any browser can be used to view the application. Farmer can easily sale their products through this website. This Project will thus pave the way for an efficient means to carry out the buying and selling of the products. Farmers will earn money as per the work they have done and will not suffer losses. This system is proposed to replace the existing system where the farmer has to suffer between the manufacturers and the traders. Also the main advantage of this project is that it uses Information Technology. The User only needs basic products like a Computer and an internet connection. Through this they will be always in touch of new technique and trends of farming. But some extends, new user may feel some kind of stress about its use. Overall this system is faster, secure and comfortable.