



# International Journal of Research Publication and Reviews

Journal homepage: [www.ijrpr.com](http://www.ijrpr.com) ISSN 2582-7421

## A Global Online Agri Market for Farmers and Buyers

*Ms. Divya S<sup>1</sup>, Adhil Sikkandar N<sup>2</sup>*

<sup>1</sup>Research Scholar, <sup>2</sup>Assistant Professor,  
Department of Computer Science, Bharathiyar University Coimbatore  
[21bcs105adhilsikkandar@skacas.ac.in](mailto:21bcs105adhilsikkandar@skacas.ac.in)

### ABSTRACT

This system is titled as "A GLOBAL ONLINE AGRI MARKET FOR FARMERS AND BUYERS" is developed for farmers with Dot net as front end and my SQL server as back end. The project helps to sell the items through the Virtual Agri Market and payment done by manually. Through this project the buyers get good quality items directly from nearest farmers and also get guidelines for farming. The price of items and offers are maintained and updated by the administrator. The farmers can sell the item easily and quickly. Mainly the system is used by the four types of user's administrators, farmers, registered users and unregistered users. This web application project consists of four Roles Administrator, Farmers, Registered users, unregistered users.

The administrator is in charge of all system operations. It is legal for Registered Farmers to sell their goods and hold auctions. Users with higher bid values will win the auction, and premium users can view the merchandise. Users who are not enrolled can only view Agri product details and pricing information; we refer to them as retail customers. The goal of this system's development was to reduce manual labor by making it more user-friendly. Advanced features have been developed into the system. Our project's goal is to efficiently create computerization and manage all Agri Market activities across this website.

### I. INTRODUCTION

It is assumed that agricultural marketing includes all of the services required to get an agricultural product from the farm to the customer. In order to please the farmer, producer, and consumer, agricultural produce must also be planned for, arranged, directed, and handled carefully. This involves a wide range of interrelated tasks, including distribution, marketing, sales, grading, packing and packaging, transport, storage, agri- and food processing, planning, growing, and harvesting. In practical terms, the word refers to the full spectrum of supply chain activities. But its primary role is to assist in directing these services by offering knowledgeable and capable market intelligence, which connects the other activities into a cohesive service with specific goals.

### II. EXISTING SYSTEM

In present system every Agri market work such as sales and view Agri market information is carried out manually. The present system is much time consuming. Hence for that more human resource is needed and a huge amount of time is needed for it. In present system user have to walk in market to get correct price of the product and get the product. This system does not have any facilities to view item price and auction of item. The main drawbacks of the existing system farmer have to go market for sell their Agri product this is more tedious task to farmer

#### DRAWBACKS

- Time consuming process
- Needs of man power
- Difficult to get Item information.

### III. PROPOSED SYSTEM

The drawbacks, which are faced during existing system, can be eradicated by using the online Agri Market. The main objective of the proposed system is to provide a user-friendly interface. The system, which is proposed, now computerizes all the processes including Agri product. Project proposes a new technique to farmer can sell the item in this application farmer can arrange an auction of the item with a certain time limit. Admin will decide the correct

price of the product and minimum and maximum auction value of each item. So that register user can bid the product then the user with more bidding value will gather the auction. Proposed to make the new system extremely user friendly. This should develop to Minimizing the manual process

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#### IV. MODULES DESCRIPTION

##### Authentication module

The first module is the authentication module. Using this module farmer, admin, Premium user can get login into the website. Based on the role, the page will be navigated.

##### Administrator

Administrator is the most privileged user of the system. Administrator can manage the whole website. He or she can provide access for other users. Administrator will decide the correct price of the product and minimum and maximum auction value of each item

##### Farmers

Farmers are the registered users whom have the privilege to sell the item with them. Once he put their item in inventory, he or she can arrange an auction of the item with a certain time limit. Once the auction is fixed and if the deal is done, then the item will reduce from the inventory. The payment system is now done by manually

##### Registered Users

Registered users are premium users. He or she can only participate in the auction. Registered users also can rate the farmers for their products quality

##### Stock Module

This module deal with the stock and pricing of products. This module allows categorizing the different products by their characteristics. This module also allows the different statistical analysis of the auctions and products selling. Also inventory module can generate various reports

##### Bidding module

This module deal with the auction of item. The registered farmers can have an option to arrange a bid with their products in inventory. The minimum and maximum amount of the bidding will decide by the administrator. Once the auction is started then it will remain until a certain time. If the time expires then the user with more bidding value will gather the auction. If none offers any bidding, he or she can again arrange bidding

##### Auction Filtering Module

This module is used to filtering the user auction details automatically based on the user bidding amount. This module calculates the admin added amount for the auction product and compare with the user's auction amount, choose the highest bidding amount and user details, show the auction result details to the admin.

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#### V. APPLICATION

- This program will lessen the amount of manual labor and periodically update the database.
- Every crop is auctioned off to ensure farmers receive a fair price for their produce. Simple report creation

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#### VI. CONCLUSION

All of the details from the Authentication module, Administrator, Farmers, Registered Users, Unregistered Users, Stock Module, Bidding Module, and Auction Filtering Module were successfully constructed and stored into the database using this Agri Market System application. The program underwent extensive testing, and any issues were appropriately troubleshooted. Testing also revealed that the system performs satisfactorily. Every required output has been produced. Thus, this approach offers a simple method for automating every aspect of consumption. This application will be beneficial provided it is used sparingly. The project can be improved even further so that the final product is a website that is both more functional and aesthetically pleasing than the current one. It is determined that the application meets the needs and functions effectively.

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#### VII. SCOPE FOR FUTURE ENHANCEMENTS

Each application has advantages and disadvantages of its own. Almost every criteria has been met by the project. Since the majority of the coding is structured or modular in nature, adding more requirements and improvements is simple. Enhancements can be added by modifying the current modules or creating new ones. The application can be improved even more so that the system can manage any information pertaining to agriculture. It plans to create an Android app in the future.

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