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Online Portal for Argo Auction

Ms. Kaveri Sayabanna Loni 1 , Ms. Pooja Hanamant Jamadar 2 , Ms. Gayatri Shrikant Kotagi 3 ,
Ms. Shruti Mahadev Vachhe 4 Ms. Rachana Ravindra Durshetti 5 , Ms. Rukmini Ramakant Pamul 6

1 Diploma Student, Department of Information Technology, Shri Siddheshwar Women's Polytechnic, Solapur, kaveriloni152006@gmail.com
2 Diploma Student, Department of Information Technology, Shri Siddheshwar Women's Polytechnic, Solapur, poojajamadar314@gmail.com
3 Diploma Student, Department of Information Technology, Shri Siddheshwar Women's Polytechnic, Solapur, kotagigayatri@gmail.com
4 Diploma Student, Department of Information Technology, Shri Siddheshwar Women's Polytechnic, Solapur, shrutivachhe15@gmail.com
5 Lecturer, Department of Information Technology, Shri Siddheshwar Women's Polytechnic, Solapur, rachanadurshetti@gmail.com
6 Lecturer, Department of Information Technology, Shri Siddheshwar Women's Polytechnic, Solapur, rukminipamul123@gmail.com

I. ABSTRACT

The agricultural sector plays a crucial role in the economy, and the integration of digital technology can significantly enhance market accessibility and transparency for farmers. This project proposes the development of an online portal specifically designed for agro-based auctions. The platform aims to find the gap between farmers, buyers, and traders by providing a secure and efficient environment for auctioning agricultural products. Key features include user registration, product listings with bidding, safe payment integration, and data analytics for price trends and demand forecasting. The portal enhances fair pricing, reduces the role of intermediaries, and ensures a broader market reach for producers. By leveraging digital tools, the system promotes transparency, boosts farmer incomes, and contributes to the overall modernization of agricultural trade.

II. INTRODUCTION

Problem Definition: In current marketing system, traditional buying and selling methods often pose challenges for both farmers and consumers. In the Marketa Aird/Bajar Samiti where Mediators are deciding the Rate of Crop/Product of Farmer. Because of mediator/agent the loss is faced by Farmer. As per research In India more than 10 suicides daily or 5760 suicides per year done by farmers because of these loss.

Project Scope: The scope of this project encompasses the overall development and implementation of a Products by Auction System, designed for farmer to decide his own rate on his own product. This platform will serve as a direct link between farmers and buyers through auctions. To facilitate access , the idea will define and manage user roles, buyers. It will also include a product listing feature that enables farmers to present their offerings in details and comprehensive descriptions. The system will encourage competition through functionalities such as automatic bidding.

III. Literature Survey

As per todays need of market survey farmer needs direct selling of their product because of the middle man or broke they will not able to get the proper response of their products. To sell the product and earn the money from their product online action system build in this research paper as per the idea they developed is that to help farmer to decide the bid value and after that customer can start the auction and directly farmer will get notification and updates of their products through website so this system overcome the problem of middle man and farmer directly connect with the customer. [1]

IV. PROPOSED APPROACH

The system comprises three distinct modules

1. Database Layer

2. Presentation Layer

3. Business Logic Layer

Our focus is on addressing the challenges faced by farmer, and through this website, we have identified effective solutions. We provide a service to manage farmer's information, ensuring that all data is validated and stored in the database.

Farmers are required to sign up and verify their details before their accounts are approved. Similarly, customers must also register on our platform. Once framer login with their details, they can upload information about their crops or other any food products.

Customers can access our website to view detailed information about the available crops. Initially, they can click the "Buy Now" button, which will direct them to the login page. After logging in, they can proceed to purchase crops or any other food products.

In cases where the first customer initiates a low-cost auction, the second customer can login to participate in a higher-cost auction. As following this, many customers login and bid the high-auction. Then farmer checks the higher auction, then farmer directly contact the customer and sell the products to the customer.

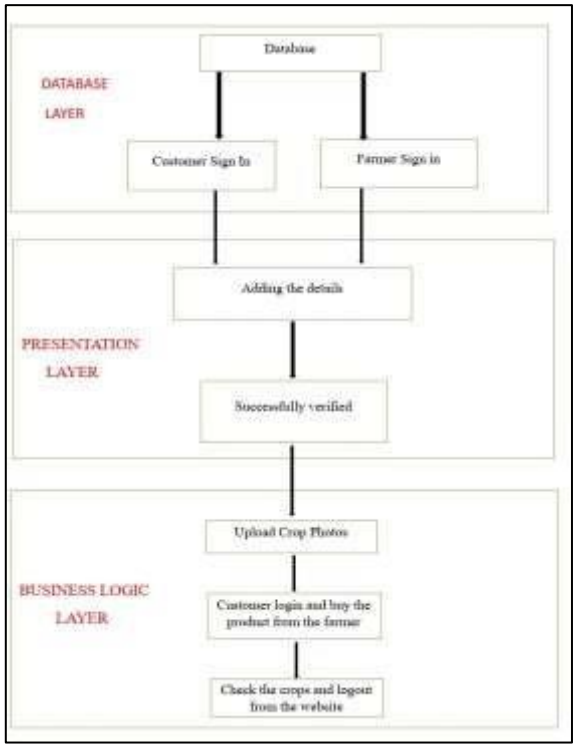

Fig 1: System Design

Fig 2: Main Page

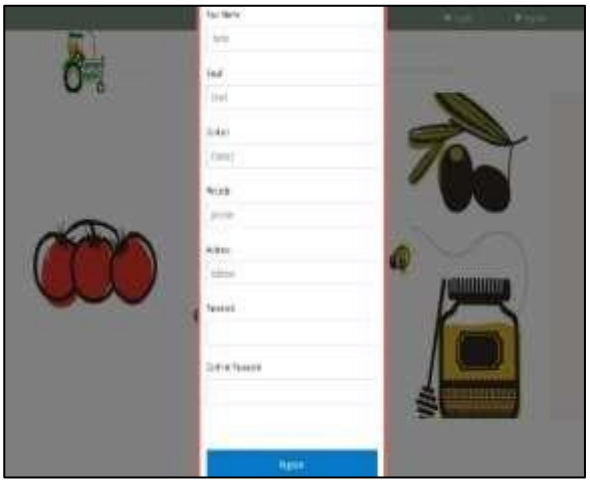

Fig 3: Registration Page

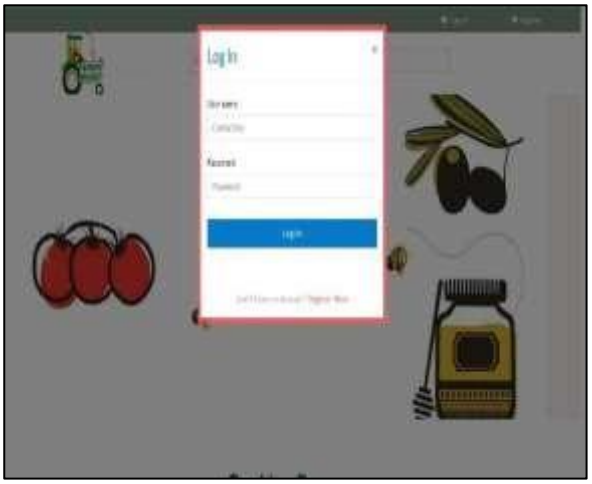

Fig 4: Login Page

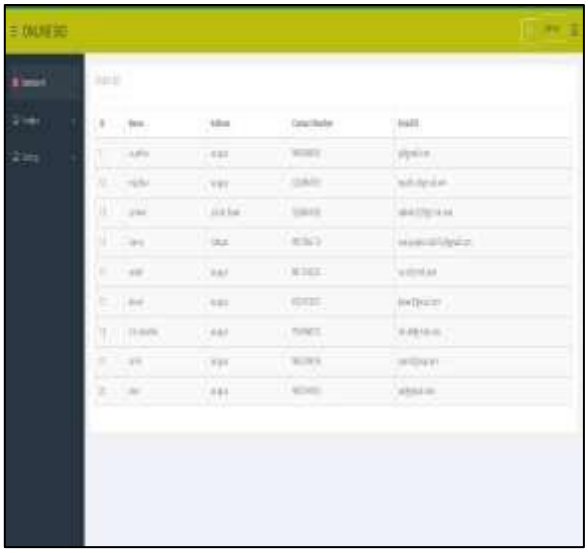

Fig 5: Farmer Details

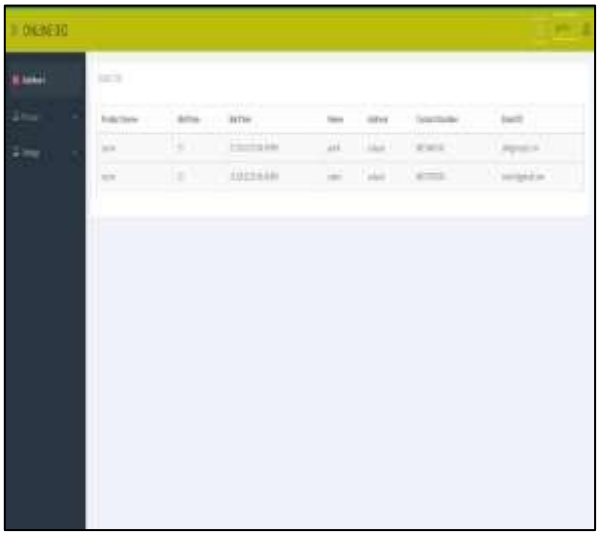

Fig 6: Product Retailer Details

Fig 7: Auction/Bidding Products

V. CONCLUSION

In conclusion, the primary objective is to ensure that farmers receive a fair price for their crops. In agriculture farmers facing lot of problems, Currently, farmers are often paid very low prices due to intermediaries between them and the consumers, they decide the low price of their crop's, because of its farmers are facing the losses. Which poses a significant challenge in their lives. To address this issue, we have created a platform for the farmers, where they visit in our website and create their profile. They can upload their crops information like manufacture date, product type, product price, etc. and upload their product picture. In other side customers can also create their login page. After the login customer interested in purchasing crops can bid, and if the farmer is satisfied with the offered price, they can proceed with the sale. Additionally, our website allows clients to buy crops at lower price since there are no intermediates involved. This was very useful website for farmers.

VI. REFERENCES

[1]. Shashank Kathar, "Auction System for agricultural trade using blockchain technology: A survey with proposed framework", 2021 IEEE Pune International Conference (Pune Con)

[2]. Nalinipriya G., "Agro Bidding – A Smart Dynamic System for Enhancement of Farmer's Lifestyle", 2019 International Conference on Smart Structures and Systems (ICSSS)

[3]. Samrudhi Kulkarni, "AgriCare – The Farming App", International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)