Farmer Mart

Sayapaneni Meghana[1], Siddabathula Dhana Lakshmi[2], Ramineni Naga Lakshmi[3], Soupati Revathi[4], Bhanu Prakash Battula[5]

B.Tech Student, Department of CSE, KKR & KSR Institute of Technology and Sciences, Guntur, AP, India [1,2,3,4]

Professor, Department of CSE, KKR & KSR Institute of Technology and Sciences, Guntur, AP, India [5]

Abstract: The e-marketplace has evolved as an efficient and important vehicle for e-commerce industry transactions. The academia and industry also recognized trust as a central factor for enabling e-commerce. Here, it includes two parties called buyers and sellers, we need to design and implement a system that will check both parties, because both parties should have trust in one another when transacting. Our project operates an online marketplace for consumer sales. It mainly targets users in emerging markets, by providing safe, reliable and efficient way for consumers to buy and sell goods. Our application provides information about all the nearby available products like plants, seeds, pesticides, agricultural machinery to all its users. The information retrieval facility, marketing from any place, and getting statistical information about fertilizers, pesticides, seeds, and plants are the main features of this application.

Keywords: e-marketplace, e-commerce, agriculture, farmers.

I. INTRODUCTION OF THE PROJECT

High end purchase of agricultural products leads to wastage and sometimes it gives loss to the farmers. This is a very common problem that every neighbourhood is facing now-a-days. Our application can help the farmers to solve this problem very easily. It does that by selling their excess products to other people who are in requirement of the same product. The application will have both seller and buyer interfaces where a single person can sell his products at same time he can buy the products if he wants to.

A) Existing System:

AgriApp is an Android based mobile application. Complete information on various things like Crop Production, Crop Protection, smart farming with agriculture and allied services is provided in this App. AgriAPP is an information portal, In addition to it, it is also an online marketplace where it brings farmers, Agri input, retailers & fulfilment services on a common digital platform. This App is powered by passionate professionals for making agriculture more sustainable with the help of technology in a short time, in terms of both ecology and economy. This is an agricultural app that will be greatly beneficial to the farmers. AgriApp works to fill the gap between farmers and agricultural information by involving Agriculture Experts. Thus, enabling farmers to reach high level technology based agricultural methods for both production and marketing. This will ensure a win-win situation to Farmers and Agriculture Economy.

B) Problems of Existing System:

Though agriapp is helpful to farmers but in some cases it fails to help them. One of those cases is reselling the product. That means when a farmer buys a huge product and starts farming, at the end he realizes either there is more or less than required product in that case he cannot sell the remaining product or buy the required quantity of product. So because of this problem there will be wastage of concoction.

C) Proposed system:

Our proposed system is to develop an application using which the above entire flow can be automated so that the farmers can sell or buy the surplus products. With the help of our application, we can reduce the wastage of the product and can sell that to the required person. Connects local people to buy, sell or exchange used goods and services enabling people to post a listing through their mobile phone or on the web. Customers can now create and interact with the easy reports on various key business metrics.
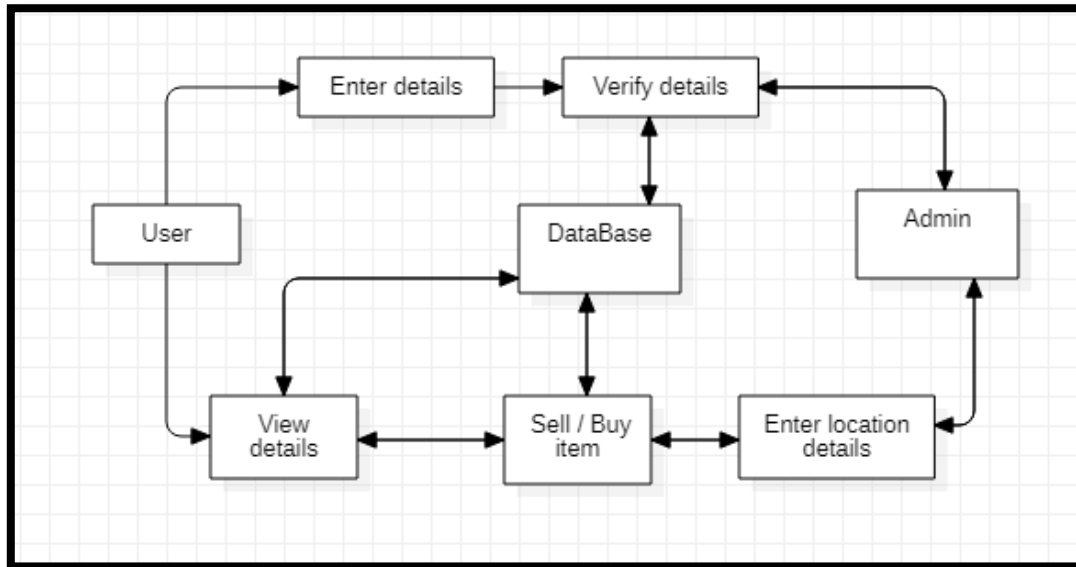
II.   ARCHITECTURE

Fig. 1 Architecture of System

III.   ALGORITHMS

A)   Algorithm for users:
- Start.
- Open the Application.
- Login into the site by giving valid credentials.
- If you don't have any account, create an account by giving all the details required in the registration form.
- If the user wants to sell the product then he will fill in the required details.
- Else if he wants to Buy the product then he will check for details and go to the payment process.
- Submit and confirm the transaction.
- Users can see the results of the location.
- Logout.
- Stop.

B) Algorithm for admin:
- Start.
- Open the Application.
- Login using the valid credentials.
- Admin can also view all the details provided by the user when he fixes the transaction.
- Admin can store the data that needs to be displayed to the user.
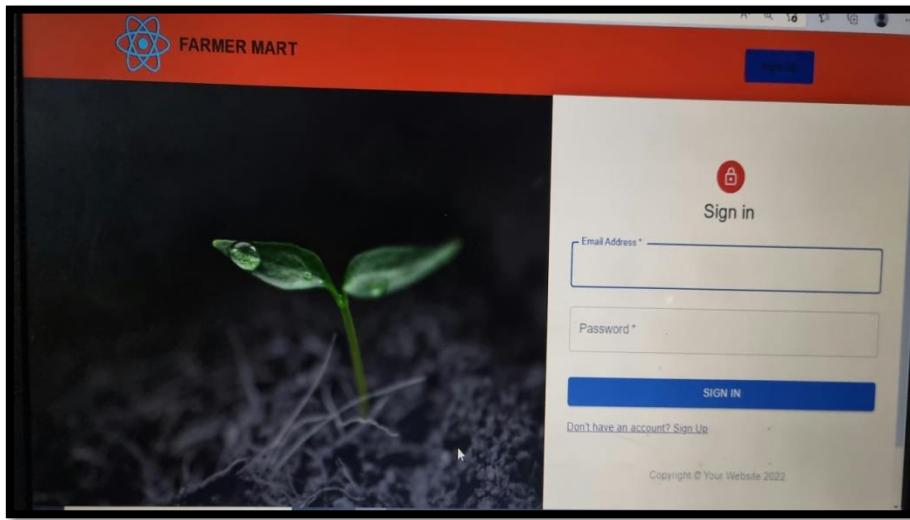- Logout.
- Stop.
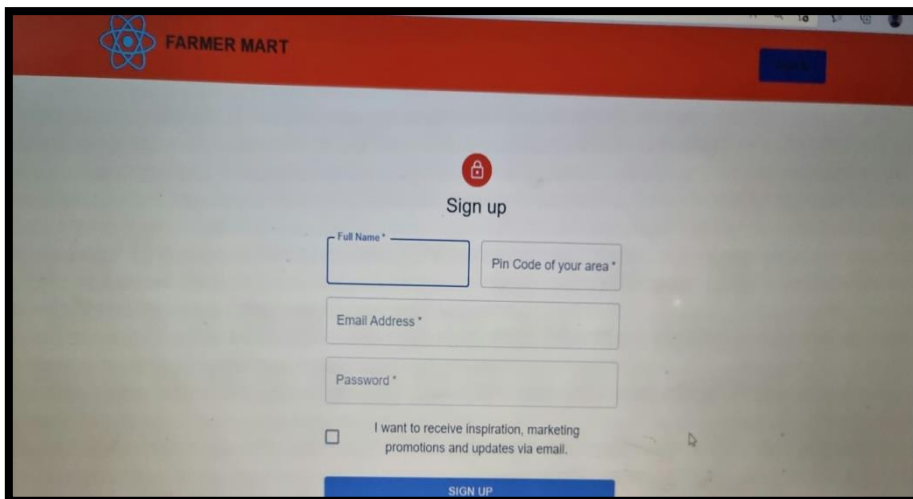
IV. OUTPUT SCREENS

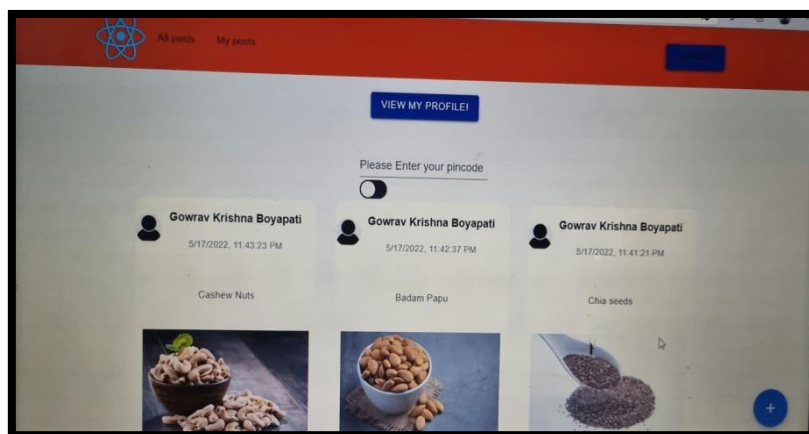Fig. 2 Output screen1

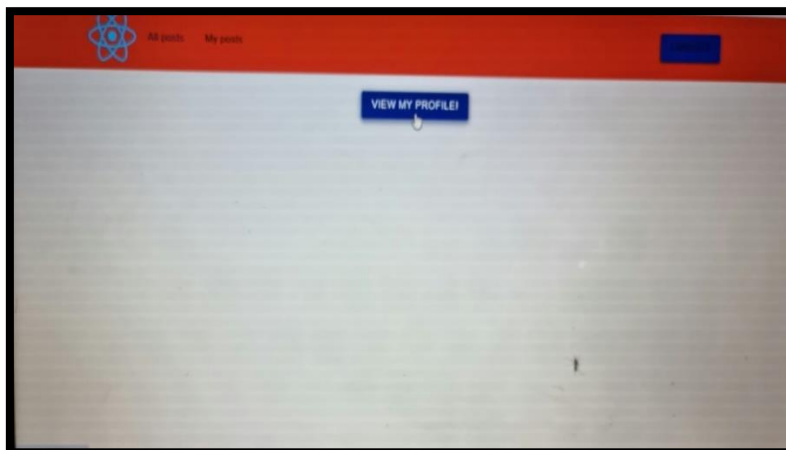Fig. 3 Output Screen 2

Fig. 4 Output Screen 3
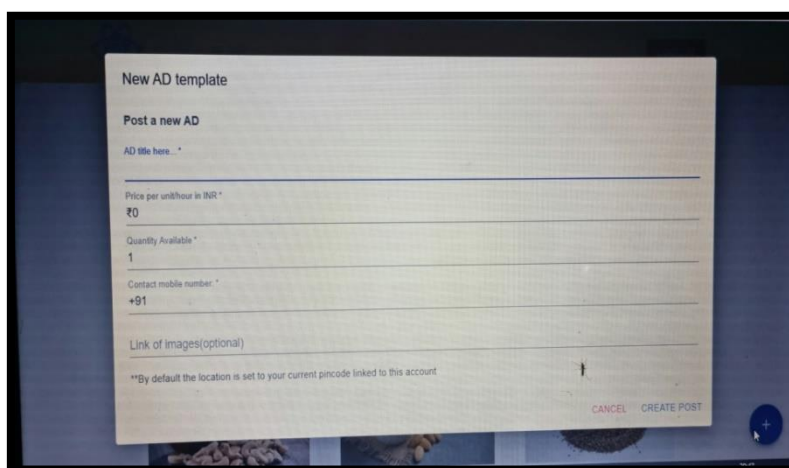
Fig. 5 Output Screen 4

Fig. 6 Output Screen 5

V. CONCLUSION

The present study gives a clear idea on how to sell or buy the unused products in agriculture. In this farmer mart we mainly focus on two points one is reselling the agriculture products and the other is to buy the products.in order to sell the product user gives necessary information of the product like price, quantity, item name, etc., and post the product into the website likewise if a user wants to buy the product he searches for the product and buys it.

VI. FURTHER ENHANCEMENTS

The conducted experiments showed that a good performance had been achieved with overall accuracy around 70% for both. In Future accuracy of the same can be improved with the help of improved techniques. With the use of the proposed model, we are able to check the nearby products which are available and can sell or buy the product to the one needed. So that it reduces the time for the farmers. This app can help those who are in need. The same system can be implemented with cloud storage of large amounts of data where it can maintain all the details for farmers for future purposes.

REFERENCES

[1]. https://bookauthority.org/books/best-agriculture-books.
[2]. https://www.agriapp.co.in/.
[3]. https://farmer.gov.in/stateagridepartments.aspx.
[4]. https://blog.feedspot.com/agriculture_blogs/.
[5]. https://www.designrush.com/best-designs/websites/agriculture.
[6]. https://www.geeksforgeeks.org/.
[7]. http://agricollegenews.com/.