

E-Mandi

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Abstract: In this paper, we have proposed to transform the traditional architectural trading into an electronic exchange between the consumers and farmers in the agricultural supply chain. It is an electronic vegetable market i.e. E-Mandi making the vegetable market more accessible for the use of everyday user and even to keep the clarity in the whole system from retailer to the dealer. Also collects the current market price of the product and notify the civilian. The project contains all the details of farmers and consumer who registered in portal, this web application increases their communication of consumers for farmers, they get their price for their commodities, at same time consumer also gets good products from farmers and producers. The project will authenticate farmer using on 7/12 while sign up. The project, include farmers product details, market information, services provided, key functions, operations done, producer and consumer collaboration activities such as daily transactions, quantity available, stock, product details for future reference. All those details are provided in single portal and all those details are maintained by administrator and they give alert for any updates in portal activities for others. In this way the proposed application gives solution to one of the most important Digitization of India in the category of Farmers.

Keywords: E-Mandi, web application, 7/12 Authentication, supply chain.

I. INTRODUCTION

E-Mandi is an online fruits & vegetable store that is dedicated to providing services to people in making online marketing accessible to them. It is an online store which will allow the people buying Vegetables and Fruits easily and also maintain transparency between the whole seller and retailer. This application helps customers to buy vegetables and fruits at best value. People can easily browse through the various items using the well-defined interfaces that will be provided by the system. The main goal of this project is to build a website that is more helpful for the use of civilian and even to keep the clarity in the whole market system from retailer to the whole seller and even farmers to get the best from his inputs. This will help out all four pillars of this market rather than focusing on only farmer's i.e.

- Farmers
- Retailers
- Whole Seller
- Civilians

A farmer will be able to know the best value/amount of his product and not fooled by marketers. Help in keeping the clarity between the whole seller and retailer, removing the black market trade and inflation in the market. Have facility of viewing the price between different regions and the inflation rate as well.

II. MOTIVATION

The main motivation of this project is to provide a bridge of communication between the farmers and customers. They can get together and do business that is beneficial for both ends. Basically it will be a biggest challenge for most of the farmers since they lack the knowledge about the new technology and trends of this fast developing world. We propose that the given wholesale market called the E-Mandi should be transformed into an electronic marketplace (exchange) for agricultural produce. An important function of the electronic transfer is available to match the supply of the farmers' produce with the requirement from the trader and retailers. Therefore, such as E-Mandi exchange will have a translational impact on agricultural trading, particularly in India.

III. CHALLENGES

Technical feasibility:

- Here we check problem during the software installation with compatibility issues.



Economic feasibility:

- This system is low cost for development software to get end user and get more profit the farmer.

Performance Feasibility:

- Proposed system performance is better than other for search farmer also foods stored on database server.

IV. LITERATURE SURVEY

Literature survey is the most vital step in software development process. A number of studies on cultivation marketing have been find in field of the literature of agricultural marketing. Some of the literatures that have been reviewed for this paper are presented as: These markets are operated through various channels: such as government channel, cooperative channel and private channel. Among these, lots of broker exist in private channel. In Assam except few, most of the rural crops are marketed through private channel. In their findings, Jaffer et.al (2005), show that lower the number of broker higher is the market ability and vice versa.

[1]. Sudha. et.al (2005) has found that 'the architect share in consumer's rupee is higher where no middleman continues then where middleman existed'

[2]. A study conducted by USDA in USA, over the period of about fifty years (1915 - 1964) resulted that "farmers have received an average of 42 per cent of the buyer fooddollar, while the marketing company have received 57 per cent of the food dollar." (Kohl, 1967)

[3]. Wide studies control in different parts of Assam showed that the rural marketing in Assam has been discomfort from manifold problems and the managed market is associated with various short comings (Deka, 1984)

[4]. Due to current conventional marketing system in Assam, the architect is not getting actual prices of their cultivation produces (Rehman, 1978).

V. PROPOSED SYSTEM

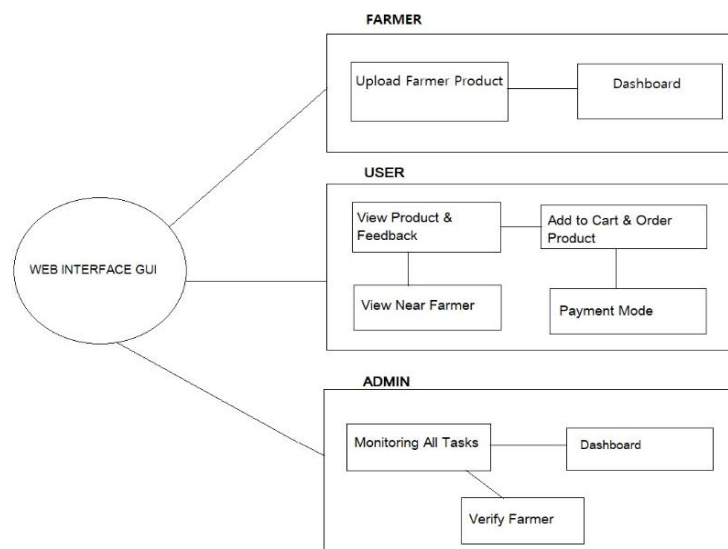


Fig. Proposed System Architecture

The actions performed by user are:

- Register into the system
- It gets all the information about vegetables, fruits and their prices
- Can give the feedback about the items, services and other things which can be improved & any other items should be added if necessary
- Can give the complaint if services, items are not up to the mark.

The actions performed by admin are:

- Admin maintains the page in an appropriate way
- Can Manage the customer details
- Adds the vegetables and fruits details to the website
- Publishes the details in website and to the people



- Updates the vegetables and fruits details to the website
- Authenticate Farmer

VI. DESIGN PHASE

ER-Diagram:

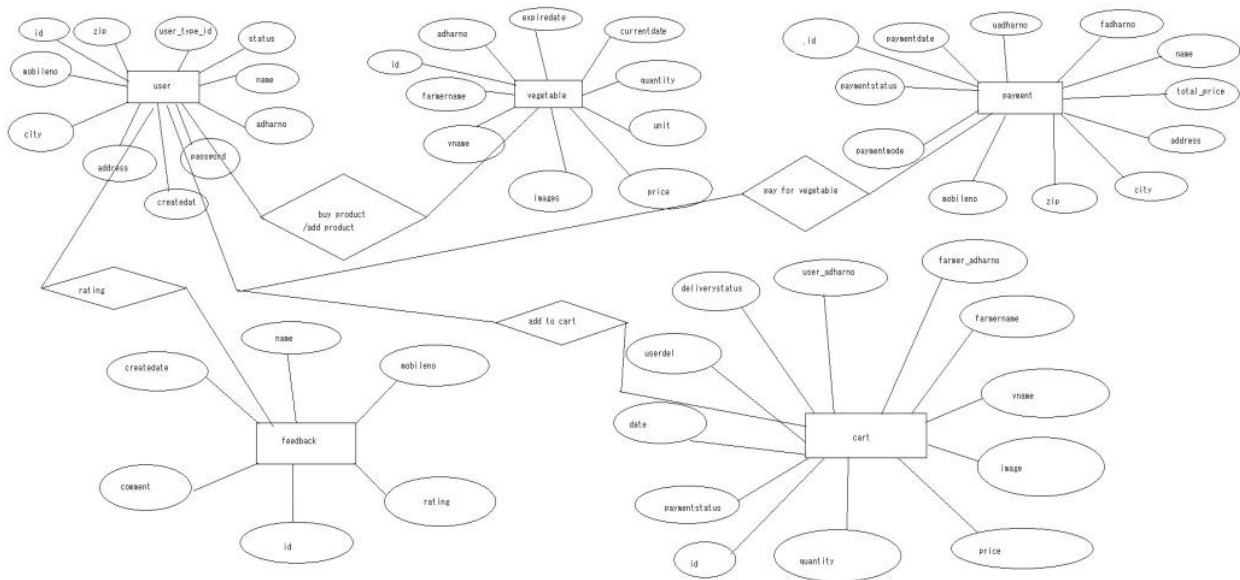


Figure 4- 6 E- R Diagram for the system

Pseudo Code:

1. Start
2. Login
3. If success goto next step
4. Else return login
5. Updates
6. Add new product (cn1, cn2.....c nn)
7. View product
8. E-auction (Prize quote, Purchase)
9. If best prize goto next step
10. Else return to updates
11. Payment is processed
12. End

Farmer Authentication:

1. create database for 7/12.
2. Create new account for Farmer to check 7/12 in database existing or not.
3. if success then Farmer account create
4. Else Farmer not available or valid.
5. End

VII. FUTURE SCOPE

The project is developed in such a way that it can be further modified & new update can be added to the system So that the system can have flexibility. The following improvements that the system provides compared to the existing in gone:

- Technologies used for the entire system improves the efficiency.
- It provides a friendly user interface which proves I it better when compared to existing system.
- System security, data securities are provided.

**VIII. CONCLUSION**

The proposed system in which we took the idea that will make every farmer reach the homes in there nearby locality or cities by the medium of this android application. In this we have used some simple database. Finally, we achieve the farmer profit to directly connected to the end user. There are some trends that indicate the transformation of agricultural information systems in India is occurring. This application provides availability of rates in various Mandies help to give good rates to farmers. Transportation losses reduced after e-agriculture marketing. This is important for the transformation of agriculture in India.

REFERENCES

- [1]. <http://en.wikipedia.org/wiki/Li-Fi>
- [2]. www.google.com (Google search engine)
- [3]. [wikipedia.org/project planning](http://wikipedia.org/project_planning).
- [4]. Harold Haas, shopping tricks, TED Global, Edinburgh
- [5]. <http://agmarknet.gov.in>
- [6]. <http://digitalindia.gov.in>
- [7]. <http://enam.gov.in/NAM/home/index.html>
- [8]. <http://www.e-agri.info>
- [9]. <http://ieeexplore.ieee.org>
- [10]. www.lificonsortium.org/