

E-Mandi

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Abstract:- It is an electronic vegetable market 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 main goal of this project is to build a website which will help the user, retailer, whole seller and even the farmer to get the best output from his inputs. With the help of this, a farmer will be able to know the best price/value for his vegetable and will not be fooled by the industry marketers. It will help in keeping the clarity between the whole seller and retailer and also the selection of the user for his daily requirement become easy. So this will help in eradicating black marketing and inflation in the market.

I. INTRODUCTION

Agriculture in India has a significant history. Today, India ranks second worldwide in farm output. Agricultural marketing involves in its simplest form the buying and selling of agricultural produce. In olden days when the village economy was more or less self-sufficient the marketing of agricultural produce presented no difficulty as the farmer sold his produce to the insufficient consumer on a cash or barter system basis. No confirmation details whether request of farmers to buyers or Buyers to farmers has been submitted or not. As it has no government touch it might have the tie up between others businesses too without displaying the clarity which is the most demanded need have now.

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. A large number of whole sellers and retailers are

being registered so with that facilitates farmers would have many options for their goods to get stored somewhere rather than keeping it hoarded to the local house due to improper planning and management. Thereby reducing the risk of under-selling.

II. MATERIALS AND METHODS

➤ Users of the system

1. director- admin.
2. user-farmer, whole seller, retailer and civilian

- Team size: 3 – 4 students.
- Technologies to be used:

HTML, CSS, JavaScript, JQuery, AJAX, OO-PHP, MySQL.

- Tools to be used

Any Rapid Application Development can be used for quick Front-end development of the app/website.

III. RESULTS AND DISCUSSIONS

➤ Functional requirements

- People can register to have a complete view of the market including the pricing of Vegetables (product), generalizing difference between whole seller and retailer, actual pricing decided by the government, the best possible retailers in the market for a user in his area, revenue generated last month and a period of time.
- Non-registered users/civilians can have an overview of these facilities excluding some.
- Feedback or complaint facilities directly connected to government bodies to keep a view on the market (must mention the unique id of the complainer).
- Admin should be able to see all record for any users/Civilian.
- The records shown for selling should be available in a format of Quantity, the name of a product, Quantity available and price.
- The website will be available in regional languages for easier understanding.
- People will have the facility of viewing the price difference between different regions and compare the inflation rate also.
- The person has the facility of booking vegetables for commercial use on a large scale online through bigger marketers.

- Help section for those who are unable to understand the website or any of its part.
- *Non-functional requirements:*
 - Secure access of confidential data.
 - User-friendly UI for easy interface, so that illiterate patients can also use it.
- *Reports:*
 - Daily report of enrollment sent to Admin.
 - Monthly report of enrollment as per states sent to Admin.
 - Work hours use of Computer professionals on a monthly basis sent to Admin.

IV. CONCLUSION

- There are trends to indicate that the transformation of agricultural information systems in India is occurring.
- This application provides availability of rates in various Mandis help to give good rates to farmers.
- Transportation losses reduced after e-agriculture marketing.
- This is vital for the transformation of agriculture in India.

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