

Yavatmal E-Crop Market

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Abstract-- E-Crop Market will serve as a way for the farmers to sell their products across the Yavatmal district just with some basic knowledge about how to use the website. This web site can be accessed by the farmer as well as the administrator. The farmer can access the website to know the rate of the various crops at nearer market places in Yavatmal district. After getting a proper rate provider for his crop farmer will apply to sell the crop to the particular market place. The administrator adds crops that have to be sold and approve/reject agent. The token provided consist of information about farmer, crop (quantity, rate etc.), and delivery date and time. The farmer will get the rate of day on which the deal was striked though he delivers crop with some delay. Anyone can access the website to know about the rate of different crop at different market place in Yavatmal district but can't apply unless the person is registered user of the site. Any agent can give his product rate board but they must also be the registered user.

Key words: Crop, Farmer, Market agent, Market place, Token.

I. INTRODUCTION

India is an Agrarian country with around 60% of its people directly or indirectly depending upon Agriculture. Depending on the farmers markets, a wide variety of products are available. If the farmer wants to sell his crop, he has to bring the crop to the nearest town, wait until his turn and sell the crop to the agent. In this process the crop may get affected and this process is very time consuming. After doing so it is not sure that farmer will get a proper rate to his product.

E-crop market is the web application that will help the farmers to perform the agro-marketing leading to achieve success and increase in their standard of living. This system can be used by farmer to know the rate of crops at various market places. The system will save the farmers time as well as efforts of going to different places as he can apply online to sell his product with a maximum rate he is expecting. After applying for particular deal the farmer will get the token from that market place which consist of time and date for delivery. The time and date for delivery save the time of farmer as well as product from getting damaged. On the other side, different market places can also register, display their rate list and buy products as per their needs.

The administrator will add crops that have to be sold and approve/reject market agents. The administrator will also continuously monitor the database. Now days everyone is going digital so farmer should also go online and sell their product at rate they are expecting.

II. EXISTING SYSTEM

There is no computerized system for the farmer to sell their product online. Currently, the farmer goes to nearest market handover his product to a particular agent, agent ask the farmer to visit the market after a specific time to collect the cash earned out of the sold product. Agent sells their product to another agent at the cost of that market place. Every Agent tries to cuts his commission out of that deal. There is no way for farmer to know about the deal and the exact amount at which their product was sold. There is no transparency. No facility is available for the farmers to know the product rates at different markets where they can sell their products for achieving high profits and improve their life style. In spite of all the opportunities banging the doors the farmers are not able to benefit out of those. Current system does not provide any proper way of e-learning and e-marketing for farmer that will provide the proper knowledge of new techniques in marketing. So the farmer doesn't get the maximum profit through the current system that the farmer deserves.

III. E-CROP MARKET

This web site can be accessed by farmer, agent and monitored by the administrator. The agent and the farmer must be the registered to access this web site.

There is no need of login for normal user who has the curiosity to know about the market information and different schemes. Farmers and agent who want to perform marketing must have the login username and password. Here we are providing the adhar card number as ones username, thus providing ease of access. Once availed with the username and a password for the website the users can perform different operations like marketing, viewing the account information, checking the rate boards etc.

Administrator: The administrator will continuously monitor or maintain the database. Administrator will also add the crops that have to be sold on web site. The administrator will also approve or reject the agent that registers on site.

Market Agent: If any market agent wants to perform marketing, he must first register and become the authorized user of the web site. After registration the agent will be assigned with a unique username and password (here we are

assigning adhar card number as unique username). Using this username and password the agent can login from anywhere and anytime. The agent can display his rate board daily, but he has to display it day before. The agent must specify the minimum quantity (i.e. product below mentioned quantity will not be accepted). The agent must also specify the total quantity of crop he needs. If any farmer sells certain quantity of crop then that quantity will be subtracted from the total quantity mentioned by the agent. And after the total quantity is reached then automatically the agent will be removed from the list.

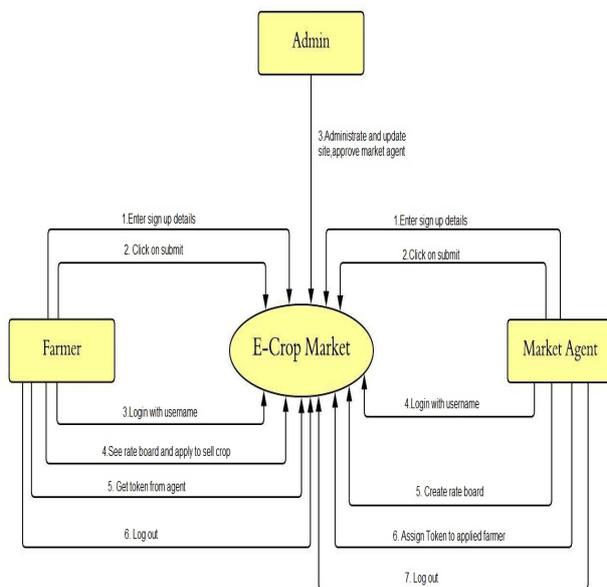


Fig. 1 Data flow Diagram

Farmer: If any farmer wants to perform marketing, he must first register and become the authorized user of the web site. After registration the farmer will be assigned with a unique username and password (here we are assigning adhar card number as unique username). Using this username and password the farmer can login from anywhere and anytime. The farmer can go through various rate boards displayed by market agents and look onto the different rates of the crop he wants to sell. After going through the rate boards, if the farmer wants to sell his crop to any agent then he can apply to the agent. After applying, he will get a token which will contain the token number, delivery date and time, farmers detail, agents detail and crop detail. The delivery date will be given automatically after 3 days. The farmer can sell a particular crop to a single agent in a day.

IV. APPLICATIONS

1. Provides user friendly site for the marketing purpose.

2. Helping farmers to access information on commodity prices.
3. Reduces the chances of corruption, inconvenience and uneasiness in viewing the market.
4. Keeping the user in mind, easy and hassle free access.

V. ADVANTAGES

1. Farmers get to know the daily rates of crops, as the rate boards are updated daily.
2. Through internet, farmers can directly link to agents and vice versa which provides transparency.
3. Reduces efforts, cost and saves time.
4. Provides interactive platform.

VI. DISADVANTAGES

1. Computer illiteracy and unawareness about e-commerce.
2. Problems in internet connectivity.
3. Language problem.
4. Electricity problem.

VII. CONCLUSIONS

Response to the internet by agri-business will surely vary broadly in future. E-Crop market is a direct interlinking between the farmer and agent. By developing this web-site we have taken a small initiative in e-marketing for farmers. There is a need for such initiatives to bring awareness among farmers for their better future. E- Crop market provides transparency which is very necessary and useful for farmers. This site helps farmers and agents to save their time as well as efforts. By getting proper knowledge of handling web site, farmers will be independent.

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