

PORTAL FOR FARMER TO SELL PRODUCT AT BETTER RATE

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Abstract - Around many years, farmers in the India have had a little freedom in choosing markets and buyers for their product. All states in the country, mandate that marketing and selling of the farm product must be routed through state-owned man is, retail markets where middlemen will not occur so farmers can increase margins. Agricultural Marketing in India has evolved from being restricted to catering to local demand by having market yards within the range of farm stone which now aim to have an interconnectivity between the markets of the other States to have a value dispersion between farms and the consumers. Many changes in the field of agriculture marketing of the country which is electronic market, Online warehousing, loans, contract farming and many more, are growing opportunities for new formats of market which are effective in responding to demand and supply. These changes will require investment in infrastructure, technology and building awareness and capacity building. This system also contains a very interactive Chat Bot. Which provides general queries for users such as any product related query or shipment tracking. This website also includes weather broadcast feature for everyone to see live weather updates.

Key Words: Middleman, Agriculture Marketing, Electronic Market, Chat Bot, Weather Broadcast.

1. INTRODUCTION

Portal for farmer to sell product at better rate System is to help farmers to update farm product related information in the website. Portal for farmer to sell product at better rate System is farmer product management website application which helps farmers to get best price for farming products. It will also help farmers to improve their product and profit. It enables farmers to sell their product direct to customer or farmers can do direct delivery of product to the seller. Farmers can view labors profile and they direct by the farmer. The Farmers Portal of the Department of Agriculture & Co-operation is a platform or farmers to seek any information related to agriculture. Detailed information on agricultural storage, crops, extension activities, selling the product, interaction with the buyers or wholesaler to get better rate, etc. We are developing an 'CHATBOT' for a rapid

communication purpose for customer. And also we are adding weather broadcast report in this portal for farmer for corps production. The farmer can be deal with the customer directly so the price of the products offered by the farmer to the customer will also be affordable to customer, it will help both the farmer as well as the customer where the customer can save some money and the farmer will gain extra profit.

2. IMPORTANCE

- The main importance of this Project is to give the better rate to the farmer from the whole seller or from any user.
- Also the one most important thing in this project is that the farmer can sell the product by himself no need of the agent is required to sell the product.
- Also farmer can deliver the product by himself only so that he can get more profit rather than deliver by the agent.
- Also there is an "Chat Bot" is placed inside the application for the communication purpose for the user or to the whole seller in this project.

3. OBJECTIVES

The main aim of our project is to built a bridge of communication between the farmers and customers across the country so that they can get communicate together and can talk about any product related queries for both ends. The main task will be a challenge to the most of the farmers because they are lacking the knowledge about the new technology and trends which is used in this fast developing world. The main success of our project is to provide the fruitful benefits for both the customer as well as to the farmers, providing the knowledge and covering different aspects of the resources that they are unaware of till date. The objectives of this project are:

- The main objective of this project is that there is an direct communication is done in between the User and the farmer.
- Also farmer can sell the product direct to the customer and the profit will get to the farmer.

- Also the weather information is get to the farmer, in which weather did farmer should grow the particular crop.
- Also user can communicate for buying the crop or order the particular crop User can communicate through “Chat bot”

4. PLANNING

This project is totally based on the INFORMATION TECHNOLOGY i.e. an online farm product to sell product at a better rate. In this project the farmer can sell the product directly to the user without help of the agent because of that the farmer will get the huge amount of profit also he can deliver that product by himself so again there is an profit for a farmer. Also there is an “CHAT BOT” is situated in application through which the user can communicate with it. Also There is an Weather broad is there for farmer to check which crop has to grow for that particular time in this project.

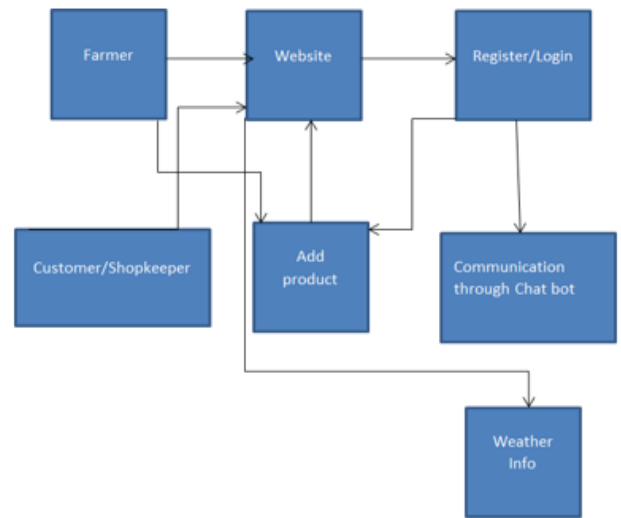
5. METHODOLOGY

In this methodology its a practice that helps of continuous development and testing of the products by breaking them into smaller units .This is what we are doing we work on our project one unit at a time like if we are dealing with front end we just deal with how front end looks and then after making it we work on it test it and have a conversation among the three of us as to what to do next how to improve it further.

6. SYSTEM ARCHITECTURE DIAGRAM

Website:

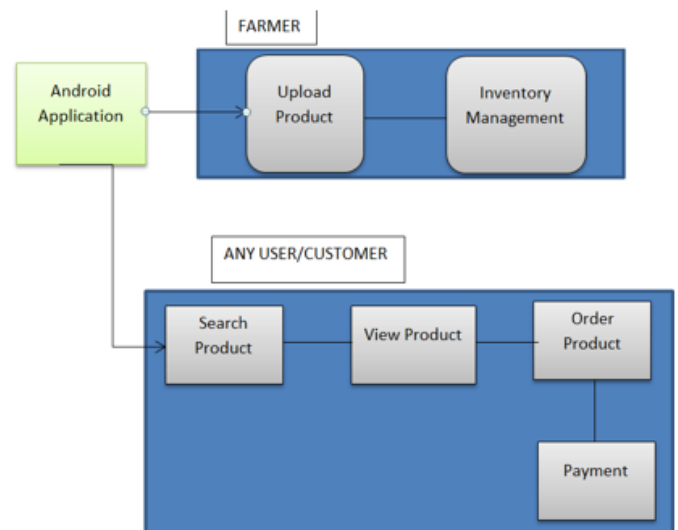
In the above website diagram, there is both farmer and customer or whole seller register & login option is available. In which farmer can add the product and also he can see the live weather in the website. While the customer or the whole seller can communicate to the farmer if he/she has any query related to farm products in the website.



Block diagram for Website

Application:

In the below application diagram, there is again register & login option is available for both farmer and customer or whole seller. In which here also farmer can add product also see the product inventory. And the customer or whole seller can search product which they want also the can view the product which they selected after that they order the product which they want and after that they will do payment to that ordered product in the application.



7. CO-ORDINATION BETWEEN BUYER & SELLER



8. Major Features

Chat Bot:

A 'chat bot' in portal can act as a virtual assistant for farm business. They can it as for conversation purpose, to interact with customers, it also allow agriculture companies to improve customer service, productivity, and operational efficiency. Chat Bots are also useful in industries like farming, because they can help to customer to give any response about the product queries and preset tasks that were earlier only performable by strict calculating and old-produced human testing.

Chat bot For Farmer:

- Save time.
- Attract possible new clients.
- Clearly communicate with customers and possibilities.

Save time:-

With a Chat bot, you will be no longer need for human agent to waste their time answering to the same inquiries from customers over and over. It's simple to provide a Chat bot with beneficial answers to all the commonly asked questions your professional receives, related to your farm, your products, or any other information.

- Attract possible new clients:

Chat bot-building stage has a feature called User Characteristics, which allocates you to collect information about possibilities who engage with your bot. Using that knowledge, you can then have your bot section these

prospective new customers to make future outreach efforts more affected and successful.

For example: If a possibility asks your bot about your cheese products, the bot will think of that. So next time you announce a new cheese product, you can simply be able to connect with that user and others who have already spoken an interest.

- Clearly communicate with customers and possibilities:

Persons already feel at comfort communicating via portal 'chat bot'. It's a stage where they're used to chatting with family and friends. Using the same familiar, informal style, a bot can make your customers sense comfortable as it answers their questions, gives them info, and encourages offers.

Weather Broadcast:

The aim of the project is to provide report regarding state of the atmosphere at a particular place and time with respect to heat, cloudiness, dryness, sunshine, wind, rain, etc.

Though, not like other productions, the weather is the most important component that involves farm production. It can affect crop development, amount to produce, pest amount, water and fertilizer need, and all farm activities taken out during the increasing season.

These project aims on providing instant weather report about the weather and nearby effects and advantages on the crops with addition to current weather details for current situations so that farmer can learn from earlier incidents that other farmers have gone through and learn from it.

This project will also provide farmer with suggestions about what can be produced during the current weather and also alarm the farmer about bad weather and how to protect crops from the bad weather.

9. OUTCOME

In this project the main outcome is for the farmer that ha can sell the product by himself at better rate and the whole profit will get to the farmer and also he cannot take help of agent also he had not to gave any amount to agent.

Also he can deliver product himself and can get more profit.

Agriculture is the utmost important area especially in the mellowing country like India. Use of information technology in agriculture can change the scenario of decision making and framers can yield in a better way.

10. FUTURE SCOPE

This Portal can be further upgraded adding more features, where different sellers can sell their agriculture related products such as fertilizers and agriculture tools, etc.

A more advanced way of this portal can be made by providing farmers to sell their products to other countries.

Also another feature may contain that the buyer can see the location of farmer product.

11. CONCLUSION

Agriculture is the utmost important area especially in the mellowing country like India. Use of information technology in agriculture can change the scenario of decision making and framers can yield in a better way. In this project, we will suggested for to farmer to get the better profit for the farmer to sell product with the help of this project directly to the customer or a user. We have also discussed that he can deliver the product by himself only to get the better rate too. So this will be the better project for the farmer for his profit.

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