AGROWEB :- Online Farming Products Sales System And Guide

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Abstract- *Organic Agroweb and other organic ingredients are grown without the use of pesticides, synthetic fertilizers, sewage sludge, or ionizing radiation. Conventional fruits and vegetables are often sprayed with pesticides. When you buy such fruits and vegetables, these stubborn chemicals remain on the fruits. The second big difference between conventional and organic fruits is that many conventional fruits are genetically modified or contain genetically modified organisms. Organic fruits are not easily available in the market. There are only some particular shops where organic fruits are available. E-commerce for Agroweb is a process of doing business through a computer network. Online shopping is a form of electronic shopping store where the buyer is directly online to the seller's computer usually via the internet. All in all Agroweb is an agricultural website which is specially designed for farmers and the students who are studying Agricultural Engineering. The online website contains convergence between agricultural research and extension different types of soils, types of fertilizers used in respective soil and how to get better productivity in farming. This website also provides the information about various government schemes and loans at lower interestrate. It also saves the time of farmer by purchasing the needed item online.*

Keywords- agroweb, customer, ASP .net with C# Microsoft SQL Server 2008(Version10.1)

I. INTRODUCTION

Farming is the Prime Occupation in India despite this, today the people involved in farming belongs to the lower class and is in deep poverty. The site will guide the farmers in all the aspects, the current market rate of different products, the total sale and the earned profit for the sold products, access to the new farming techniques through learning and centralized approach to view different government's agriculture schemes including the compensation schemes for farming. Getting availed to the required information related to the markets and different products can be made possible through the email facility provided by the system. Organic fruits sale is a web website developed for farmers. This website gives suppose to the village farmers who want to use this facility and who want to learn how is it possible and how they can use Organic fruits to sell their products [1].

If the farmers know computer then they can directly register in the site and sell their product otherwise they can contact the company's computer professional who will schedule classes to teach the basics of computers and the internet. They can know how they can open this site and register with it and sell their products online etc [2].

Agroweb is a project developed to build a website which will help farmers to sell their products to different cities online. Farmers can use this facility and can learn how is it possible and how they can use Agroweb to sell their products. Agroweb is a PHP & MySQL-based website which gives an idea to the farmers how to use Agroweb to sell their products. Farmers will get all the new ideas to improve their productivity and they can buy and sell their products online [3].

The main objective of this project is building a website which will help farmers from Indian villages to sell their products to different city markets. It is a computerized approach for better and clear marketing. Farmers will get a unique interface where they can avail everything right from learning to the market information, they can perform marketing, get the current rates of market, get in touch with e-mail through the cell phones, can gather the knowledge of different schemes and apply as well as check status of website. This website will act as a unique and secure way to perform agro marketing [4].

II. LITERATURE REVIEW

In the existing system buying and selling a product is done manually. The unawareness about the quality of the seed enforces the farmer to buy low price seeds which lead to low productivity and these products are sold to the middlemen for a low price which results in a great loss for the farmer [5].

- Existing system as work on a manual system, so shop administration only takes the responsibility of

preparing bills which includes the details of purchasing date, type of products, total price including taxes.

- There is no provision of maintaining the customer records to make information to their customers about their latest product and services provided by their shop.
- Time Consumption
- Employee Cost consumption

Many times, farmers are not even aware of the schemes and compensation provided by the government. Despite all the opportunities banging the doors, the farmers are not able to benefit out of those. The current system does not provide the way of e-learning for farmer that will provide the knowledge of new techniques in farming. So he doesn't get the maximum profit through the current system [6].

III. SYSTEM DESIGN

Agroweb will provide a unique ID to each user that can be used to perform agro-marketing and can apply for Scheme.

3.1 Design and Architecture

We describe the Algorithm, which is used to explain how the system is going to work, i.e. the processing logic behind it, the flowchart, which represents the pictorial representation of the processing logic and finally the Dataflow Diagram of the Agroweb.

3.2 Algorithm

There is no need to login for a normal user who has the curiosity to know about the market information and different schemes. Farmers who want to perform marketing and apply for schemes must have the login username and password. Along with farmers, the agent which will perform the selling of farmer's product must be authorized through the market committee for their license of marketing and after authorization, they will be given authorized agent ID and password. During authorization, Farmer needs to provide his bank account number, names of the product he farms, his details, etc. The diagram (fig.2) has shown below gives some basic description regarding the flow of the system. It will give an overview of the operations performed and where it goes after the operation has been performed. It shows the different conditions like ("if-else").

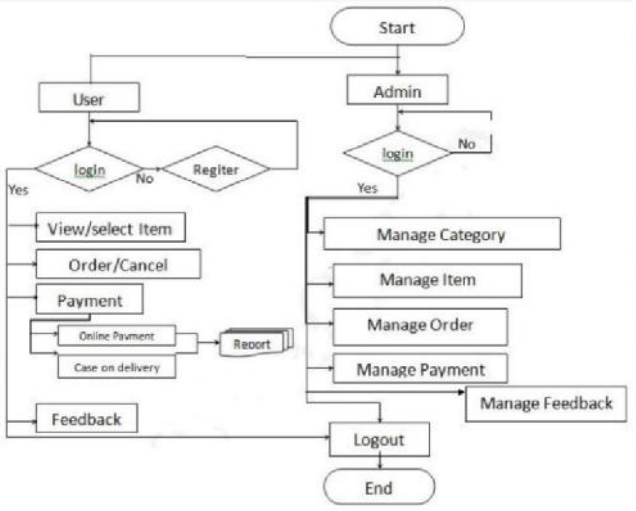

Figure 1 system architecture diagram

The proposed system design consisted of the following carious terms and services like modules

3.4 Marketing: It includes Pricing, Billing and the Fund Transfer. Pricing will show the farmer at what price his commodity has been sold. Billing will create the bill after getting a request from a farmer for bill creation. Created bill will be displayed on the page. Bill will consist of unit price rate, total bill amount, commission of agent, vehicle fare, other expenditure, etc.

***3.5 Market Information*:** Farmer can see the market information of the nearby market. This will consist of selling rates of different product, today's turnover, product-wise details like quantity, grading, selling cost, etc. It will give commodity-wise, market-wise daily report, commodity wise price during last week, community transaction below MSP (maximum sale price), date wise prices for the specified community. Farmer can also search for a specific product in a particular duration of specific market.

IV. RESULT AND DISCUSSION

The system will be having only one User-name and Password section on the front page, as per the user-name and password the system will know whether user is Farmer/Agent/Administrator/Gov. Officer.

4.1 Customer:

- Once supplier is registered, he can log in to the portal by using his credentials.
- Supplier can search by product with specify the name of the products he required, further this Choose product

- Payment
- Add cart

Figure 2: customer module description

4.2Farmer:

Farmers can create new account, log-in to their existing accounts which will give them the authority to use the services provided by the system.

- Add product
- Add categories
- Add/delete/modify

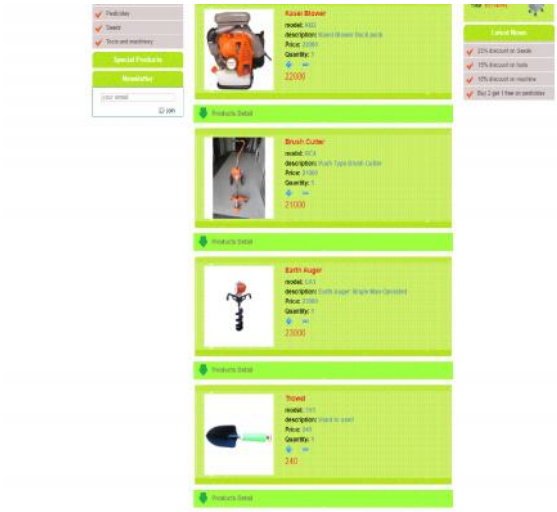

Figure 3 farmer module description module

4.3Software Interface:

- Client on Internet: Web Browser, Operating System (any)
- Client on Intranet: Web Browser, Operating System
- (any)
- Web Server: WASCE, Operating System (any)
- Data Base Server: DB2, Operating System (any)

4.4Communication Interface:

- Client (customer) on Internet will be using HTTP/HTTPS protocol.
- Client (system user) on Internet will be using HTTP/HTTPS protocol

V. CONCLUSION

We would like to conclude that all the documentation related to the project, it spurpose, scope and objectiveas well as the requirements: functional and non-functional, hardware and software specifications, analysis of the project with the help of UML diagrams and the Canvases depicting our website Agro web have been completed successfully. Thus, Agroweb is the perfect online website, where everyone from the framers to the government and to the merchants find their goal inpur suit of getting more information about several types of farming and available government schemes. Agroweb is a project builds a website which will help businessman to sell their products in different cities online. We have much scope for developing our Website. We can make this website as Server based website. In our website we don't have customer and farmer interaction to this Website. We can make this happen in future. We can make this website which is very helpful to the user and the farmer's authority.

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