System for Buyer And Seller in Organic Farming

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Abstract- *We proposed a system that provides a web service to buyers willing to buy organic products. This Web Service allows users to know about organic products, its current market price, location of that farm etc. Buyers can have the Information of products at touch of a button.*

Keywords- Soft error, stuck-at-faults, tolerate, probability of failure, masking factors.

I. OBJECTIVE

The objective of this project provides a web service to buyers willing to buy organic products. This Web Service allows users to know about organic products, its current market price, location of that farm etc.

II. INTRODUCTION

Organic Farming has ability to provide benefits in terms of health issues, Conversation of resources, better quality of Food. Organic products are on heavy demand.

In this project report we proposed an organic farming web application in which farmer adds following information about:

a. Detailed crop record: Image, Price, Location.
b. Multiple crop types
c. Anytime-Anywhere: Records are stored at the server side. So internet access is required & farmer can store information whenever they want.

III. LITERATURE REVIEW

Organic farming can provide quality food without adversely affecting the soil's health and the environment. Certified organic products including all varieties of food products including basmati rice, pulses, honey, tea, spices, coffee, oilseeds, fruits, cereals, herbal medicines, and their value-added products are produced in India. The production of these organic crops and products is reviewed by Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, Uttar Pradesh 221005 and India with regard to sustainable agriculture in northern India. [1]

Literature shows a development of organic farming in Europe but with considerable differences between countries. These depend on general agricultural policy (the set of regulations and laws) specific policy incentives and also on differences in consumer behavior. The paper reviews scientific literature on the evaluation of the technical, economical and environment aspects of conversion from conventional towards organic production. The methods and results of empirical and normative modeling studies at the farm level, with special regard to farm management and policy are analyzed. The paper starts with the definition of organic farming and the way these functions are operational zed into policy. Finally conclusions will be drawn concerning conversion from conventional towards organic farming and this is reviewed by S.Acs, P.B.M. Berentsen and R.B.M. Hurine. Business Economics Group, Wageningen University, The Netherlands [2].

IV. BACKGROUND

In our project, Seller i.e. Farmer has to register to the organic Farming website. Farmer will be given a unique username and password by the server. By this username and password seller can login to organic farming application and he can choose the category of products of which he wants to add information to the server. We will be using mysql database for storing products information. We will be using php to access that database so that user will be able to see that products Information.

V. SYSTEM ARCHITECTURE

In our project, there are two modules: Website and an android application. Farmer will use website for his registration. He can register along with his Information and unique username and password. After Registration Administrator can view all the data who have registered. And admin have authority for Enable and Disable farmers who have registered by manually checking organic product cultivation. By using this username and password Farmer can login to organic farming application. Only authenticated farmer is allowed to store information of organic products in database server.

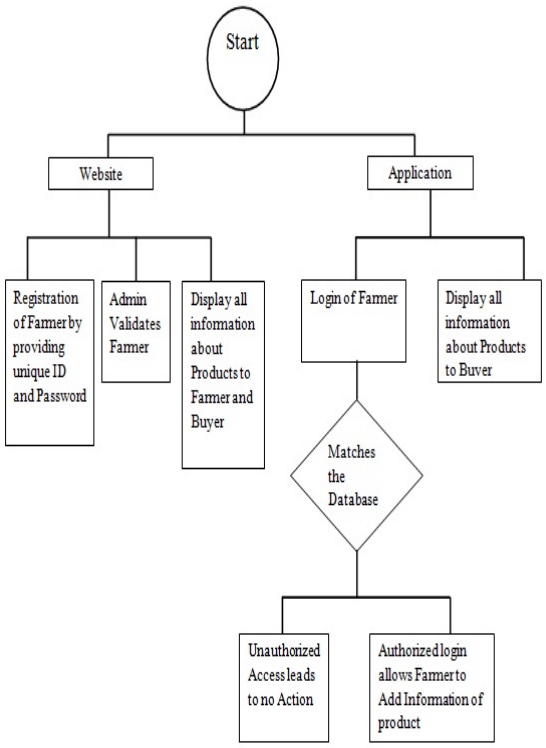

Fig:- System Architecture

First he has to choose the category of that product(vegetable, fruit, pulses and grains etc He can add the information of products like product image, its current market price, address (which will be calculated by turning on GPS by retrieving longitude and latitude) date and time of uploading image and expiry date of that product. All the information of those products is stored at the server. When user wants Information of the organic products the he can visit the website or he can use application and can get the Products Information. If he is interested in buying that product, then he can contact to the farmer or he can directly go to the address given by the farmer.

VI. TECHNOLOGIES USED

Languages-

Html and css:- Html and CSS are used for designing webpages.

Java:- Java is used android application development.

Php(API):-Php Application Programming Interface is used for connecting website and android application

Xml:-Xml is used for designing android application activities.

Software-

Dreamweaver:- It is a tool used for website development.

Android studio:- It is used for designing and developing application.

phpMyAdmin:- It is an online database Server.

000webhost:- We have hosted our website on this web host.

VII. IMPLEMENTATION

PHP Implementation (Website):

1. Display Product Information:

2.Admin View:

Android Application Implementation:

1. Add Product Page:

VIII. FUTURE SCOPE

If we talk about Future Scope then it depends on how innovative one could be to enhance the use of this project. For us this project is very useful for future uses such as:

- We can use online payment facility in near future so that buyers can pay at their home only whenever they want.

- We can use online delivery services so that buyers can get their products by sitting at their home only.

IX. CONCLUSION

Our project is very useful as it provides the information of organic products to the interested buyers. Reasons for advocation of organic farming include advantages in sustainability, food security, Health, openness, self-sufficiency and food Safety. Our project is helpful as it gives Information about non poisonous products (products with no chemicals).So that it will contribute in improving human health.

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