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# Farmers Commerce

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***Abstract: This application basically aims at digitalizing and marketing agricultural products also, the application is constituted in such a way that it is profitable to the farmers. The home page of the website enables the user/farmer to register by using the user Id or email Id and enter the password as per the user's choice. This allows the user to effortlessly login into the website.***
***Once the login has been done, the farmer could upload the yielded vegetables, fruits and cereals. Further the price stipulated by the agricultural association is attached and uploaded with it. By doing so, the agricultural products are supplied directly to the consumers without the middle man service. Consumer can use their login information to purchase agricultural products right from the farmers, This is beneficial because the consumers could get chemical free vegetables from the farmers.***
***The farmers commerce will be highly helpful by setting it up in the center of every districts, so that the consumers are benefit either directly or buy online shopping through this website.***
***Keywords: Customer signup, Farmer signup, Customer/Farmer login, Farmer add product, Customer visit and buy the product, Order manage.***

## I. INTRODUCTION

Ecommerce is fast gaining ground as an accepted and used business and used business paradigm. Many to many business ideas are implementing web sites providing functionality for performing common transactions over the web. It is proudly say that the process of purchase on the web is becoming common platform. It is the buying and selling the products of goods and services, or the transmitting of data, over an electronic network, primarily over the internet. These business transactions occur either as business-to-consumer, farmer-to-consumer or. The terms of e-commerce and e-business are often used interchanged.
In India, agriculture is the big and largest dependent sector. As we all know that, farmers are struggling to meet and selling products. There comes a thought to use the website to help farmers with our hands-on project. We are utilizing the new and latest tech simple to integrate agricultural efforts. Farmers are able to get knowledge of minimum internet uses. A simple and easy user-friendly interface it helps customer/farmer to get into our website. And very responsive which enables it work effective and easy on any type of devices. The farmers who grow marketing according to the season, after harvesting the market they pack them and contact the website to check stock availability. The whole sale vendor asks for the price, the farmer will selling their products at lowest price demanded by the market. Farmers can grow their market since there are various other problems such as soil infertility, weather changes, seed damages etc. Here we are introducing the E-commerce website for farmers to do their business. It will help farmers by giving an opportunity to sell their own products easier on our online platform. The main aim is to development of farmers by using the new technology and making their business more efficient and profitable also it is used to speed up their marketing. It will be helpful for farmers to getting profitable income. It will disconnect the connection with intermediate vendors and customers that helps to save more than money.

## II. SYSTEM ANALYSIS

### *A. Existing System*

In the existing system all purchase, dealings of farm products, payment of purchasing products were done offline market which is time consuming. Reports and Bills are prepared manual work as and when needed. Maintaining of reports is very tough task. To buy any product customer has to collect product and bills about it either by visiting the shop or by asking peoples not to better. Any internet user can use this existing website to search for any variety of farm products, select the needed product from wide range area of products. Once they make up their mind to purchase any particular product from wide range of products. The existing multi vendor farmer's ecommerce web site is static which makes it less interactive. It has a maintain data to database connectivity. The home page, farmer interface, and the customer interface has been prepared.

#### *1) Disadvantages of Existing System*

Require an active internet connection.
It did not provide a inaccurate results if data entered incorrectly.

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*B. Proposed System*

Farmer's ecommerce is online shopping website where buyer can buy farm produce directly from farmers. Various types of farm products are available at reliable price. It is basically focuses on user friendly interfaces and promotes user to purchase the product faster. It has registration facility ad any information entered in registration table is very secure and no one can access the information. Security is given this website and utmost importance while designing the website. If any user is not valid or involved in any king of illegal work in the website is blocked by the admin. Even the user is not active unless admin approves. For any kind of query buyer and producer both can contact admin through mail. Customer are use this specification any time.

*2) Advantages of Proposed System*

This websites converts whole offline to online.

- Farmer can sell their products easily with online.
- Farmer/Seller will get the exact farmer comity allocate price from the buyer, which leads to good profit.
- This method overcome the search time to a great extent.
- This method allows placing order for more than one item.

## III. DEVELOPMENT ENVIRONMENT

*A. Hardware Requirement*

Processor type : Intel platinum processor
RAM : 2 GB
Hard disk : 256 GB

*B. Software Requirements*

Operating System : windows8,10,11
Cloud Platform : Google cloud
Front End : Html,css
Back End : python (django)

## IV. MODULES DESCRIPTION

*A. Login*

This module will commonly work to enter the webpage authentication. Two type of login will enable on home page. First one is former login second one is customer login using user name and password to entering webpage.

*B. Register*

Farmer and Customer's are signup an account on this webpage using the module to signup purpose. Farmer /Customer's fill the required details given registration page.

*C. Farmer*

This module to use farmers only and farmers use login id and password to farmer login page to entering farmer module and add products and prices details and upload images. Farmer can perform following function:

*1) Register:* The farmer can given the details to registration to access as registered farmer.
*2) Login:* After complete the registration to login and further actions.
*3) Add Product:* Farmer can add product add manufacturer of the product.

*D. Admin*

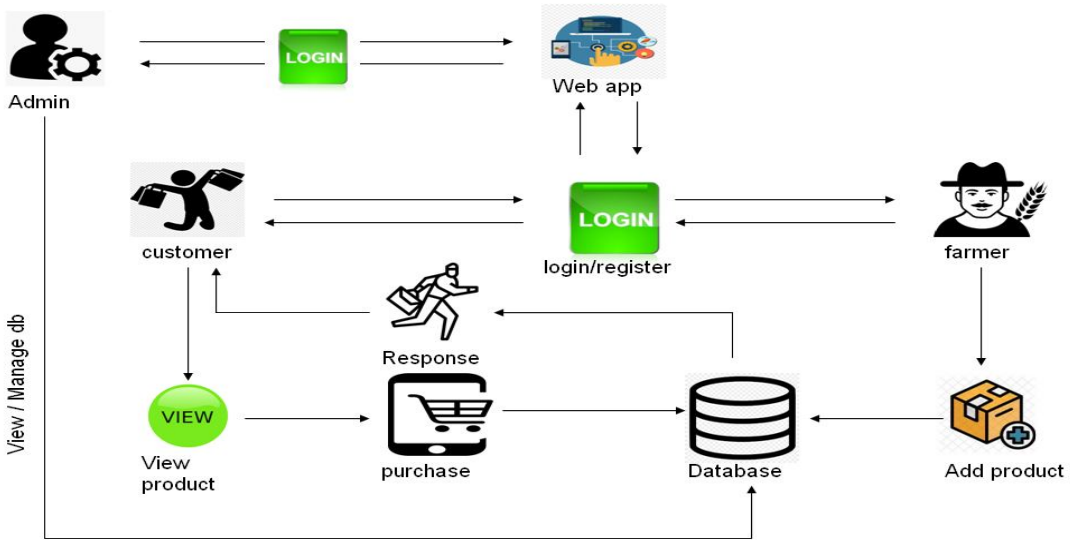
Admin can access the all pages. Manage farming products and manage orders and report delivery details to customer. Admin can perform following function:

*1) Login:* Admin need a login to all administrative actions of works from admin panel.
*2) Add Category:* Admin can add and remove category of products in the web sites.
*3) Add Product:* Admin can add the products and detail descriptions of the below product. Admin can also approve the items and added by a farmer.
*4) Manage Orders:* Check the orders and approve the orders.

*E. Cart*

This module only adding products. Customer liked product will add cart. Cart module to store our wish lists.

## V. SYSTEM ARCHITECTURE




## VI. CONCLUSION

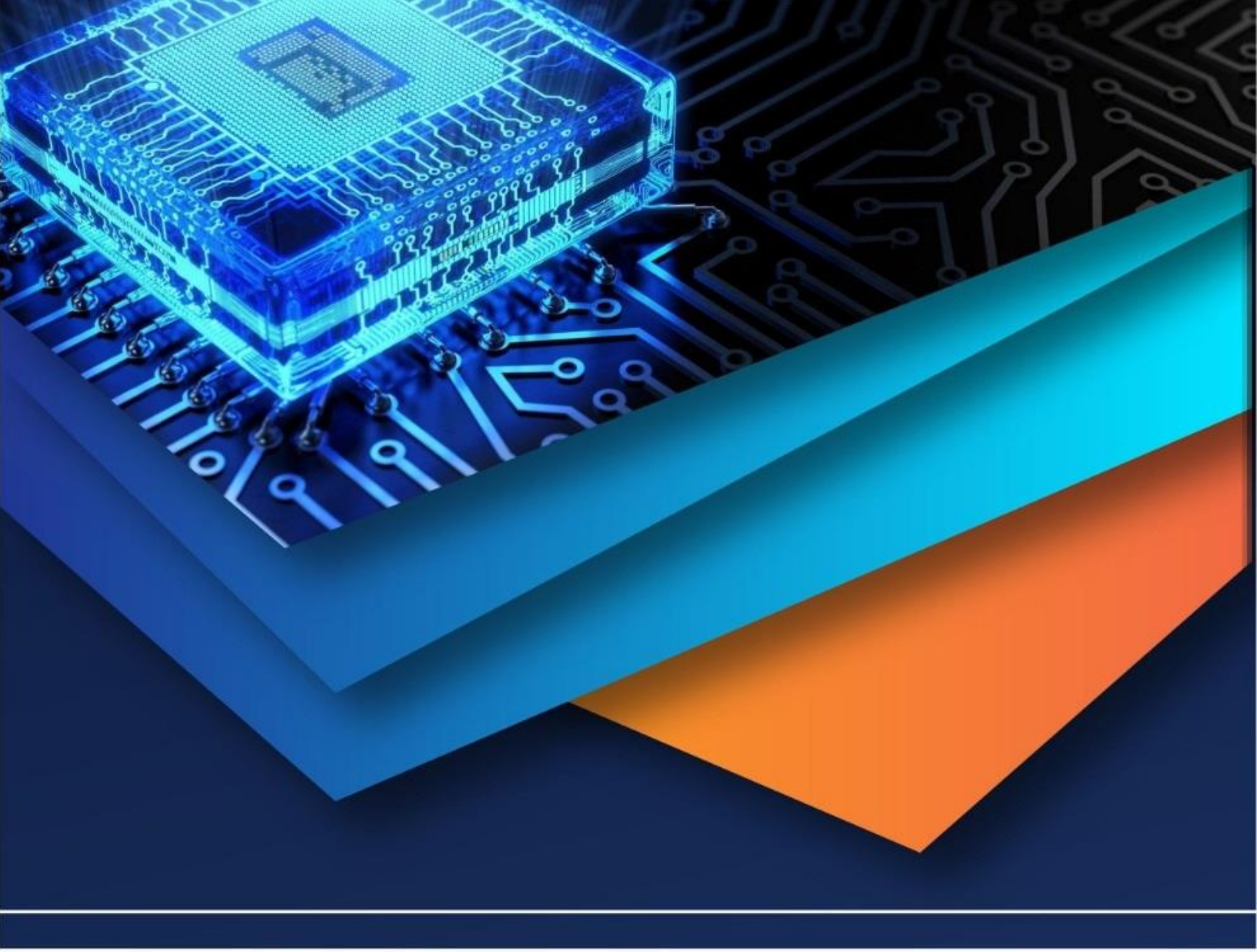
The " FARMERS COMMERCE " website is successfully designed and implemented to fulfill the necessary requirements, as identified in the requirements of analysis phase, such as the system is very easy and user-friendly, base level validation and field level validation are performing very well. The old manual marketing system was suffering from a series of drawbacks. The project has been developed to meet the aspirations indicated in the modern technology. Through the project, anyone can visualized the effective and efficiency in the real life. It is very helpful for digitalization of digital marketing system. This project helps reduce the manual method and stress which is done by a person and that is time consuming and lengthy process. With this application user's information are stored very safe and a secured database. Trend of information improvement in the generation has improved the quality and services of human operation just as the case of this application for job services has reduce the mobility rate of human and improve the database storage.

## VII.FUTURE ENHANCEMENT

In future I will adding new modules for the better improvement of the website such as a real-time chat bot option will implemented for user and farmer interactions, so that customer can directly interact our doubts on any time through the chat bot option. Online account verification and notification for customer and farmer for specific product category they searching for products. In future also implement android app of this website.

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