# Agri Shop for Farmer Online Selling and Buying Application

# ABSTRACT

For several years, farmers in India have had little liberty in choosing markets and purchasers for their produce. All states in the country, except three, degree that marketing and selling of farm produce must be directed through state-owned mandis, retail markets where mediators (middlemen) crush farmers to increase margins. According to research, mediators have become dominating buyers of the agricultural market, resulting them to take control over the plight of the farmers and gulping all the profits. The farmers work day and night expecting a good yield. They use a lot of financial resources lending money and buying fertilizers, seeds etc. So, they have the right to enjoy every rupee gained on their corp. In this context, we propose a system which brings farmers close to the retailers cutting the middlemen. The middlemen usually take up to 70% of the profits of farmers leaving them helpless. Our system consists of a mobile or web application which will serve as a platform for farmer the growers and retailers or customers to sell and buy their farm products. This system aims at giving a profitable price to farmers to their farm products cutting the middlemen. This allows the retailers or the customers to buy products from the farmers at a lower than the normal price.

This system is used to farmer and user. Farmer uploads their product with details and buyers view these details and book that product with in a time.

**Existing System**

* In existing system shopping can done in a manual way, the customer has to go for shopping, and then he is having the possibility to choose the products whatever he wants.

Disadvantages

* It is a time consuming process.
* Thus, the system has to be automated.

**Proposed Solution:**

* System is providing platform such as android or web app wherein farmer can sell his crop products at different layer of marketing chain (market, merchant or end user) with multiple option. This platform will help farmers to find out nearest markets, its current stock details and its demand for particular product within less time & with less effort. This analysis will thereby help to determine which market will be more profitable for his crop/product.
* Farmers can use this facility and can learn how it is possible and how they can use e-farming to sell their products. This application will act as unique and secure way to perform agro-marketing. The system allows farmers to sell their stock directly as a direct supplier throughout the country without any middlemen so that, farmer earns optimum rates for his stock and also the customer gets it at lowered costs. This will also eliminate the food grains mafia that stores these products in own warehouses in order to increase demand and thus rates of the products, so that it can later be sold at higher profits.
* This application converts whole offline manual system to online.

**Advantages**

* Seller or Farmer can sell their product online with ease.
* Farmer/Seller will get the exact price from the buyer, which leads to good profit.
* Retailer will get all the products at one place and can purchase a product of their choice.
* This system reduces the search time to a great extent.
* The system allows placing order for more than one item.

**]Software Requirements: -**

**JAVA**

**Android Tools**

Android Studio

**Hardware Requirements:**

Processor : Intel 3

Installed memory (RAM) : 4 GB

Hard Disk : 500 GB

Operating System : Windows 7,8,10 - 64 bit

**System Modules:**

* **FARMER**
* Login
* Register
* OTP Verification
* Manage Orders
* Update order Status
* Add Product
* Update/Delete product
* Upload images
* My Sales
* Update Shipping Status
* Logout
* **PUBLIC**
* Register
* Login
* OTP Verification
* My Account
* Manage Wallet Balance
* View product details
* Search product
* Add to cart
* Edit/Delete Cart
* Add/Edit Shipping Address
* Order Product
* My Order status
* View Shipping Status

**Modules Description**

**User**

* **Register**

Another main function of our proposed system is registration, in order to register with the unique application details such as name, password, email, place and question are required.

* **Login**

The main activities in the application are the user login page for user. This module records only user and password of the user.

* **OTP verification**

User can enter the all details for the registration like user name, address, phone number, etc. once user can enter all details and register their profile user will get OTP verification. It will successfully verified user profile was registered.

* **Manage wallet balance**

User can add the amount for a billing process. It will easily payable for a product. User can add amount if user purchase the product the amount will payable from the wallet.

* **Search Product**

User will search the product using product name, locality, category and other details.

* **View Product details**

All product details like product name, cost, qty, mobile, shipping charge , category and etc

* **Add cart**

User can search the product and choose product to purchase without actually completing the payment. It has update the quantity of product and if remove some of item.

* **Add/ update shipping address**

A shipping address is an address where you will send the order. The billing address is the address connected to the user's wallet payment method.

* **Place order**

User once choose the product and add to be cart then get placed purchase product.

* **View order status**

User once order the product then it will place order for corresponding address and user will check their status for ordered product like order placed, shipped, delivered.

**Farmer**

* **Register**

Another main function of our proposed system is registration, in order to register with the unique application details such as name; password, email, place and time are required.

* **Login**

The main activities in the application are the user login page for user. The other modules are followed by this login page. This module records only user and password of the user.

* **OTP verification**

Farmer can enter the all details for the registration like product name, address, phone number, etc. once user can enter all details and register their profile user will get OTP verification. It will successfully verified product profile was registered.

* **Add product**

Product will be added to shop. It will store product name, locality, and their quantity, price of product, which category to added a product and enter their locality based shipping charges.

* **Manage product**

Product can manage the product from the overall e – product it contains a product stock, sales, expenses and available of stocks, users orders.

* **Manage orders**

Product can manage the order of users details from all e- product shops how many orders are shipped, calculate the pending orders and maintain the delivered also.

* **Update orders status**

Product, once get the ordered from the user. Product can manage from end to end once get order product upload the status order placed like they doing next process added the status like product is shipped, on progress, delivered and cancel the orders.

**Risk Factors Involved in the project**