**AGRONOMY**

**Business Requirement Specification**

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**1. Introduction**

* Document Purpose

This document communicates the business requirements and scope for developing Agronomy shopping System for buying and selling products online. The scope of this document is to define the functional and non-functional requirements, business rules and other constraints requirements.

* Project Background

There is no computerized system for the farmer to buy pre-harvest commodities like seeds, fertilizers, growth promoters, herbicides, animal feeds and different farming equipment’s at one platform. Currently, the farmer goes to nearest market to buy above products but sometimes has to wait because of unavailability, unfair prices, lack of competitive products, seller’s monopoly and lack of knowledge about related product. There is no transparency. No facility is present for the farmers to know the product rates at different markets where they can buy these products for reasonable prices.

* Goals of the project

The main objective of this project is building a website which will help farmers to buy pre-harvest process products from different sellers on common e-commerce platform. Here if suppose some village farmers want to use this facility and want to learn how is it possible and how they can use this platform to buy these products, they must have accessibility to internet service then they can directly register in the site and buy these products online.

On the other side, manufacturer and dealers from distinct regions can also register and sell products as per orders received.

* Customers and Stakeholders

**Customers:**

* Seller(Dealer, Manufacturer)
* Customer(Agro-Centric)
* Admin

**Stakeholders**

* Farming Community.
* Agri-Business Industries
* Agricultural universities
* Agro - Product Manufacturers.
* Government. (DA&FW).

**2. Business Requirements Overview**

* Agronomy System is the public web application.
* Agronomy System will be opened to the global, but currently the main target is in India.
* There are mainly two types of user. One is the Dealers, Manufactures and other is Customers i.e. Farmers.
* This system will have review system which will be helpful for the farmers and customers to know about the product.
* Farmers can search for the market values of related agro products.
* Dealers and Manufacturer can get the larger platform to sell their products.
* Agronomy System provides the functions which connect the farmers and the Suppliers efficiently.
* Agronomy System could be maintained by Administrator.

**3. Functional Requirements Overview**

Agronomy System consists of four modules described as below.

* Seller(Dealer, Manufacturer) Role
* Customer(Agro-Centric) Role
* Admin Role.

3.1 Seller Role

* Seller can request for registration.
* Seller can upload the detailed information about their products.
* Seller will be able to update their product.
* Seller will confirm the order request received from different customers.
* Seller can exclusively give discount to different customers based on various criteria.
* Seller will be able to refund in case of customer dissatisfaction or product damage.
* Seller can respond to the customer’s request regarding assistance after product delivery.

3.2 Customer Role

* Customer can register and create his own account.
* Registered customer can login into agronomy system.
* Customers can search products from different categories and view detailed information.
* Customers can compare the price between different sellers.
* Customer can add the desired product in the shopping cart.
* Customer will be able to update the cart.
* Customer can confirm the order.
* Customer will be able to check the order status.
* Customer can communicate for assistance regarding installation and after-service request with the seller.
* Customer can view the feedback and give the feedback.

3.3 Admin Role

* Agronomy System should provide all function to admin how to handle the System.
* Admin will approve or reject registration of seller.
* Admin will generate the report about sales in a particular period.
* Admin can generate report about the registered customers and sellers.

**4. Non-functional Requirements**

* The website should use professional design, look and feel and colour scheme.
* Users will have no limitations for accessing the application through Internet. The portal being an internet application, it is difficult specify exact number of visitor or users. Hence we will target the system to support between 5 and 10 million users on launch of phase 1.
* Being a public website, the site must follow general usability guidelines for menus, navigation, colours, links and other actions provided on the screens.
* The system should be designed in such a manner that user will be able to complete tasks in minimum number of steps.

**5. Scope**

* Farmers will be able to buy online Agro-Products.
* Shoppers will be able to manage their products stock.

**6. Terms and Conditions.**

* The product which is sold will only be replaced within 15 days.
* If found damaged and used will not be liable for refund and exchange.

**7. Appendix**

* Seller :
* Dealer from the local markets.
* Manufacture who want sell direct to the customers.
* Agro-Businesses who do research and sell their products to the beneficiaries.
* Customers :
* Individual Farmers.
* Co-operative Farming organizations.
* Agro-Projects and Institutes.
* Social Groups.
* DA&FW: Department of Agriculture and Farmers Welfare.