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Online Smart Agriculture Product Delivery System

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Abstract: *Technological importance has been a great support for making decisions in various fields especially in farming. The main aim of this system is to accomplish farmer's primary needs and to make them financially independent. E-Agriculture is a platform for farmers to promote their products. All farmers who want a specific value for their agricultural products, as well as end customers who require precise pricing for each product, will benefit from this. This would help them improve their daily lives while also aiding those in need by giving meals. Various government-based non-governmental organizations (NGOs) collaborate with them to reach out to people who have surplus food (that they previously squandered) and can share eatable food with the NGO to address their basic requirements while also preventing food waste. The system's purpose is to build a community where all intermediaries are removed and the estimated value of agricultural products is sold directly to farmers. Finally, we provide leftovers to underprivileged individuals through a non-profit organization.*

Keywords: Agricultural product, food delivery, consumer, NGO, Android application

I. INTRODUCTION

India is an agricultural based Country where mostly people tend to do farming. As a primary occupation there are lots of agricultural products yield every year on different places all over in India though we required food product as a primary need which all over come from farm and farmer's headwork being by that in today's date there is no such thing which is useful for their betterment is sad truth is Indian farmers are most ignored even if we called it as a country of farmers and to overcome this, technological importance has been a great support for making decisions in various fields especially in farming.

The main aim of this system is to accomplish farmer's needs and make them fully independent in financial terms. E-Agriculture is a stage for supporting marketing of agricultural products. This will help to all those farmers who need to get exact value to their agricultural products and end users need good précised rate of each product this will help farmer as well as consumer to fulfill their need towards day-today life along with this poor people who can't even afford food for two times can get food from this platform through government based NGO consumer who is willing to share their extra food to prevent wastage of it can give by this platform.

This paper we describes the purpose of this online vegi -mart system is to help farmers to sell agricultural products in convenient way and easy to use android application for consumers who are willing to buy it on daily basis by using data science technique we can able to do so it. To make farmer- consumer relation far better with good estimation value of product as well as fresh direct delivery of product up to certain distance.

II. METHODOLOGY

The module is been divided into different modules :

1. Add details of product and get order from consumer
2. Place order -send request to farmer
3. Delete food as per time/limit

2.1 Farmer Module

1. Farmer can upload food type and it's quantity.

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2. Can manage (add or delete) products.
3. Quantity will be updated after the purchase/manage.

2.2 User

User will have three options after login –

1. Shop agricultural products : A user can purchase food products from the farmer directly.
2. Upload waste food : User can upload waste food type and its quantity.
3. Social service : A user will have an extra option to deliver the food in his free time as a social service.

2.3 NGO Function

1. NGO will receive the notification from the system on the email id

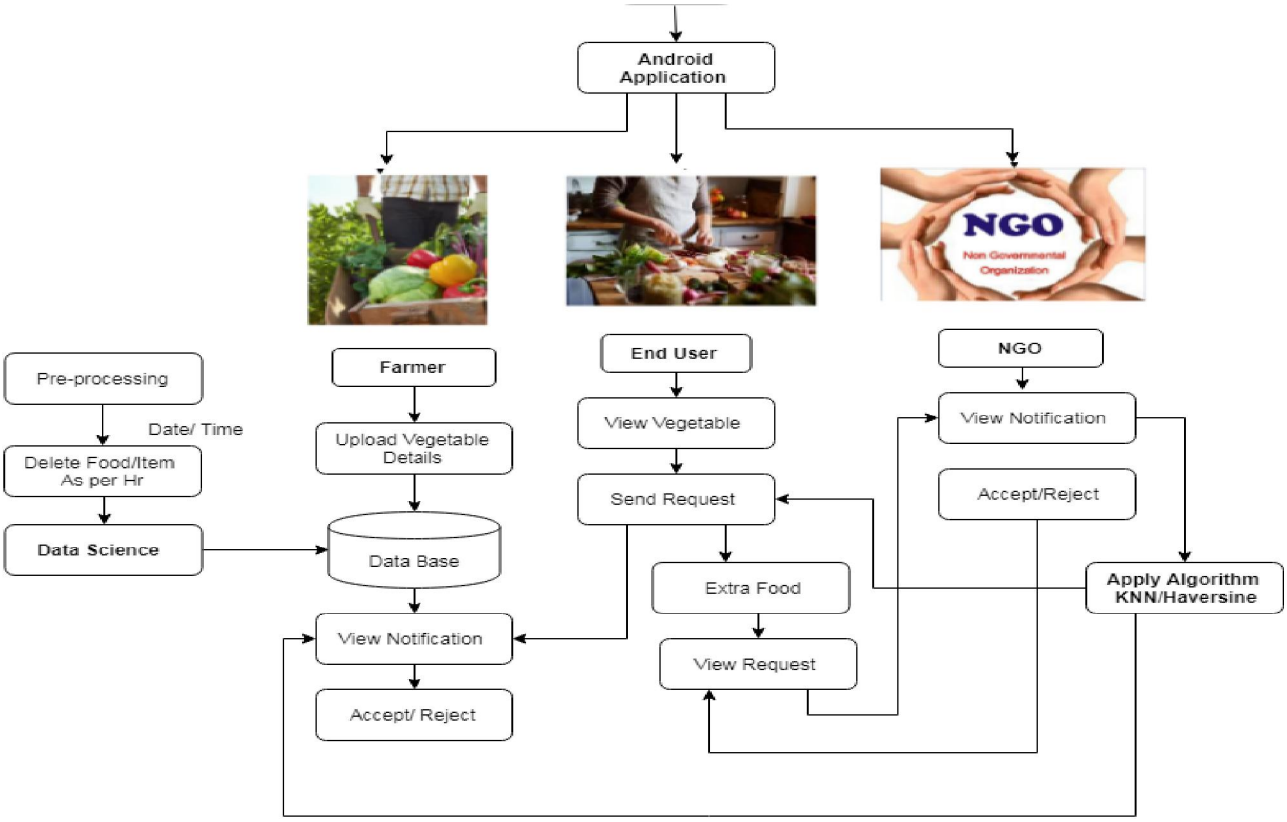

Figure 1: Block diagram showing the working principle of aOnline Agricultural Product Delivery System

III. LITERATURE SURVEY

In [1] Portrayed their association in advances to change the arranged factors of food excess, at different times of the store association. Advancements, when gotten together with the action of laborers can reasonably gather the recoverability of food overflow, reducing the Management Intensity of get-together gifts. Notwithstanding, where foodis open in little aggregates and occasionally near the end date it is indispensable to deal with the decrease of food squander by expanding care.

In [2] The basic variables were grown more genuine stock chains are perceived as the sort of store network included and the singular business outlook to extending risk as for thing quality into social and typical execution inside their own hold chains.

Proposed [3] System presents a technique to survey gifts for non-benefit hunger easing up affiliations. They developed a reenactment model to close the standard proportion of food gifts got consistently in a multistockroom dispersal affiliation. The reenactment model depends upon a state-space model for hair-raising smoothing.

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In [4] A thing framework was been made for assisting coffee shops and food with shipping affiliations. Clients can make individual or get-together requests through the web interface. The menus, coffee shops, clients, and orders can be coordinated by the heads. The vehicle collaboration was kept up with by the Android application.
In [5] Restaurants and food delivery services have benefited from the development of a software system. The web interface allows users to create individual or group orders. The administrators can control the menus, restaurants, users, and orders. The Android application assisted in the distribution process

IV. CONCLUSION

In this project, we are able to implement an online system which would help for selling and buying agricultural products with good cost estimation and safety aspects in consideration also good quality of processed food for needy once with the help of required hardware and software effectively for the farmer consumers and NGO with the help of Android Application.

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