Survey on AnnaData - Food Provider

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Abstract: Technical significance has been an incredible help for settling on choices in different fields particularly in cultivating. The principle point of this framework is to achieve ranchers' essential requirements and to make them monetarily autonomous. E-Agriculture is a stage for supporting the advertising of farming items. This will serve to that load of ranchers who need to get accurate worth to their farming items and end clients to need great précised pace of every item. This will help for the advancement of their day-to-day lives alongside these it used to help destitute individuals to take care of those who need it. Distinctive government-based NGOs work for them that they reach those individuals who have additional food (which they used to squander beforehand) and can share edible food with NGOs to satisfy their fundamental needs and forestall food wastage. Food banks and food collection NGOs have geared up to tackle the food waste challenge in India's major cities.

They have set up waste leftover food helplines so that restaurants, caterers, wedding venues, and party organizers intimate the availability of food for donation. Often such intimation is given at a late hour and the pick-up time is also late i.e., after midnight. Despite these hurdles, these food banks and food collection NGOs arrive at the venue, pack the food in containers and transport it in vehicles arranged by them. If the outfit has cold storage facilities, food is stored and distributed in a day or two. However, most of the time, distribution is done to feed the poor within a few hours after the food is collected, keeping in view the fact that food goes stale soon in India's hot climate. In some cities, food for the poor is distributed at some fixed point where the homeless, slum-dwellers, and needy congregate. Many orphanages, children's homes, and other NGO organizations do not have facilities to undertake leftover food collection. They will be happy to accept the food if delivered to their location.

Participation in e-commerce activities requires that both buyers and sellers have access to the Internet and that they can use the required hardware and software effectively for the farmer, users (Hotels), and poor People. The system/application aims to make such a community in that we eliminate all brokers and the estimated value directly goes to farmers from their agricultural selling products. And finally, we use leftover food through NGOs directly distributing it to poor people. Thus, this system can improve the end customer's confidence in products and establish a trusting relationship between consumers and producers. And disposal of leftover/extra food in different functions the rest of the food is distributed to the poor, NGOs.All paragraphs must be indented. All paragraphs must be justified, i.e. both left-justified and right-justified.

Keywords: Agricultural product, food delivery, consumer, NGO, web application.

I. INTRODUCTION

India is an agriculturally based country where most 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 an immediate need which all overcome 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. E-Agriculture is a stage for supporting the marketing of agricultural products. This will help 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 farmers as well as consumers to fulfill their needs for day-to-day life along with these 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.

II.   RELATED WORK

In [1] Portrayed their experience with advances to change the coordinated factors of food excess, at different phases of the store network. Innovations, when combined with the action of volunteers can viably build the recoverability of food excess, decreasing the Management Intensity of gathering gifts. Nonetheless, where food is accessible in little amounts and frequently near the termination date it is important to chip away at the decrease of food squander by expanding mindfulness.

In [2] The significant variables were grown more supportable inventory chains are distinguished as the sort of store network included and the singular business mentality to broadening liability regarding item quality into social and natural execution inside their stockpile chains.

The proposed [3] System presents a strategy to appraise gifts for non-benefit hunger alleviation associations. They fostered a reenactment model to decide the normal amount of food gifts got each month in a multi-stockroom circulation organization. The reenactment model depends on a state-space model for dramatic smoothing.

In [4] A product framework was been created for aiding eateries and food conveyance organizations. Clients can make individual or gather orders through the web interface. The menus, eateries, clients, and orders can be overseen by the heads. The conveyance interaction was upheld by the Android application.

Proposed Systems [5] targets planning was to plan an Automated Food Delivery System to conquer this issue. The new proposed framework structure comprises shading lines that are drawn on the café ground and they interface all tables to the kitchen filling in as a directing track; a robot that is in a state of harmony with the requesting framework will serve. At the point when clients put in their request through the requesting framework, the framework will send the request to the kitchen. When the dish is ready, a sign will be shipped off the robot then the robot will then, at that point, convey it to the particular table and return it to the kitchen and convey a critical message to the requesting framework as an affirmation of conveyance.

Proposes [6] cell phone-based no food squander inventory network is for the metropolitan Areas city with choice for correspondence involving portable and web innovations for squandering food inventory network and reaction. This might help for quick and productive to convey food to the people who need it.

III.   OBJECTIVES

- Implementing a system with a web application, that provides product information to farmers and end-users.
- To implement the system using data servers, which can available for end-users 24 * 7.
- To implement a platform-independent application that can work in all environments.

IV.   LITERATURE SURVEY

Described their experience with technologies to change the logistics of food surplus, at various stages of the supply chain. Technologies, when paired with the activity of volunteers can effectively increase the recoverability of food surplus, reducing the Management Intensity of collecting donations. However, where food is available in small quantities and often close to the expiration date it is necessary to work on the reduction of food waste by increasing awareness.
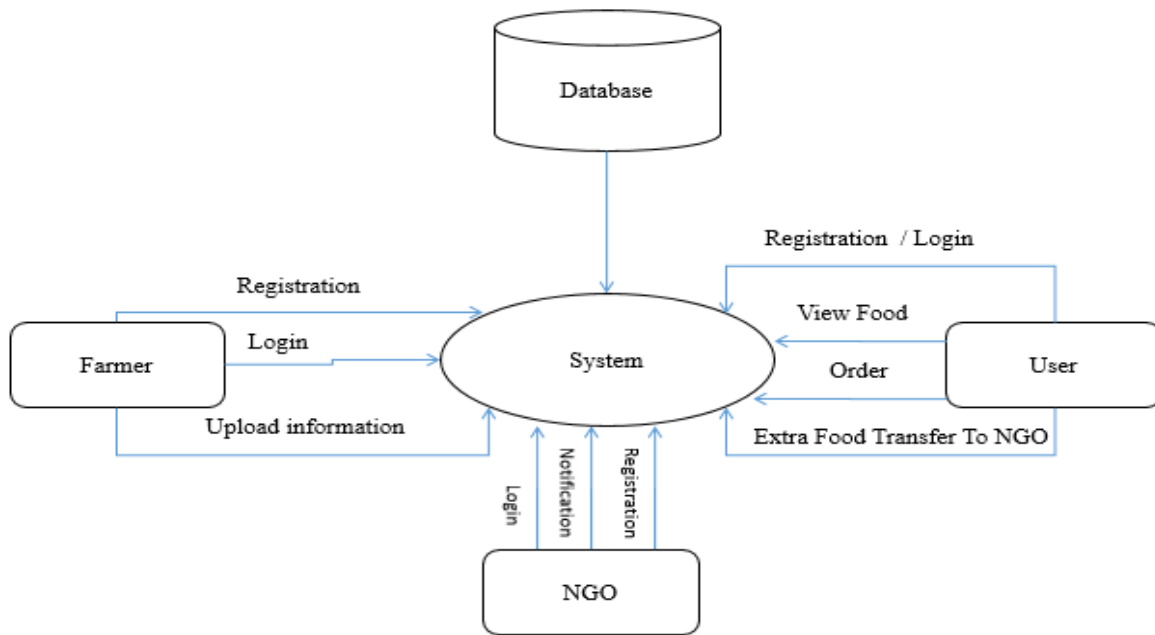
V.   ARCHITECTURAL MODEL

Fig. 1 Block Diagram

VI.METHODOLOGY

Farmer Function:

- Upload vegetable details.

- View notification.

- Accept/reject an order.

Consumer Function:

- Get all details of the product.

- Send a request and place an order.

NGO Function:

- View notification.

- Accept/reject.

Response sequence:

- Add details of the product and get the order from the consumer.

- Place order -send a request to the farmer.

- Delete food as per time/limit.

VII.   TECHNICAL REQUIREMENT

Software Requirements (Recommended)

- Operating System:

  - Windows: Windows is the collection of programs know as an Operating System (OS) that controls a PC. 'Windows 10' will be used for developing the project.

- Technology:

  - Python: Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation. Its language constructs and object-oriented approach aim to help programmers write clear, logical code for small- and large-scale projects.

  - Xampp: XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server possible.

  - HTML: Hypertext Markup Language, a standardized system for tagging text files to achieve font, color, graphics, and hyperlink effect on World Wide Web pages.

  - PHP: PHP is a general-purpose scripting language geared towards web development. It was created by Danish-Canadian programmer Rasmus Lerdorf in 1994.

  - JavaScript: JavaScript is a programming language commonly used in Web development. JavaScript is a client-side scripting language, which means the source code is processed by the clients.

  - CSS: Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

- Database:

  - MySQL: MySQL is an Oracle-backed open-source Relational Database Management System (RDBMS) based on Structured Query Language (SQL). Originally conceived by the Swedish company MySQL AB, MySQL was acquired by Sun Microsystem in 2008. And then by oracle when it brought sun in 2010.

- Web Technologies:

  - HTML: Hypertext Markup Language, a standardized system for tagging text files to achieve font, colour, graphic, and hyperlink effect on World Wide Web pages.

  - JSP: Java Server Page(JSP) is a technology that helps software developers create dynamically generated web pages based on HTML, XML, or other document types.

  - JavaScript: JavaScript is a programming language commonly used in Web development. JavaScript is a client-side scripting language, which means the source code is processed by the clients.

  - CSS: Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

  - Servlet: A Servlet is a small program that runs on a server. The term was coined in the context of the java applet, a small program that is sent as a separate file along with a Web (HTML) page.

- Database:

  - <u>MySQL</u>: MySQL is an Oracle-backed open-source Relational Database Management System (RDBMS) based on Structured Query Language (SQL). Originally conceived by the Swedish company MySQL AB, MySQL was acquired by Sun Microsystem in 2008. And then by oracle when it brought sun in 2010.

Hardware Requirements (Recommended)

Hardware	-	Intel i3 core and Above
Speed	-	2.7 GHz
RAM	-	4 GB
Hard Disk	-	300 GB

VIII. CONCLUSION

With the proposed system we can implement an online system which would help for selling and buying agricultural products with reasonable cost estimation and safety aspects in consideration also a good quality of processed food for needy once with the help of required software effectively for the farmer consumers and NGO and hotels so that the food is not wasted and may reach the needy peoples.

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