DOMESTIC FARM PORTAL

(Using to buy and sell the domestic animals through online,It deals with the farm owners and consumers satisfaction.)

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***Abstract*--**Our project" DOMESTIC FARM PORTAL" deals with the computerization of the farm owners sales activities. The main objective of the system is to increase the communication between farm owners and consumers. The word "FARM" means an area of land with fields and buildings that is used for growing crops and keeping animals. Farming is an intentional activity, carried out with the intent of meeting the needs of people as consumer and producers of food and as members of society. Our project maintains details of all types of farm owner's salable items such as cow, hen, goat, etc,.It also records the information of consumers who buy the items. The master component is used to enter the input data about farm owners, consumers, salable items details. Category wise items details are maintained.

Our project helps to maintain the daily transactions, how much items kept for sold, how much items requested by consumers and their reports. During the stock item update, the farm owner selects the items and key in the quantity and rate. During the item request, the reference number and date are automatically printed, farm owner and item details are selected and quantity is given. These details are
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I. INTRODUCTION

Nowadays, **FARM** is a part of agriculture people may have started farming because the weather and soil began to change. Farm animals is to increase the necessity of the animals breeding. In the current scenario, hunting animals like cow, hen, goat , etc, for the purpose of meat and then customers spent more time and cost to buying the animals with the help of procures. It is the time taken process, in this process consumers waste their time and cost. So, we can developed our web application for avoiding the above difficulties. This was named as "DOMESTIC FARM PORTAL" .

In this portal the farm owners can upload their breed variety like cow, hen, goat,etc, and their age, type and the salable details. Then the consumer needs that breed variety, they will be request to the farm owners and it will be directly delivered to the customers. We can also add user manual for the breed animals. It consists the detailed description about the animals, like their food details, breed details and etc,. We can introduce in our project the consumers pay their fee through online payment system. Finally, we add the google maps for the purpose of consumers they know their farm owners places. The farm owners can share their places using our google maps

,consumers track their places and buy their breed variety which one they want from. Farm owners.

II. CONCEPTUAL STUDY OF THE PROJECT

The first step in the software development life cycle is the identification of the problem. As the success of the system depends largely on how accurately a problem is identified. At Present, the approach requires manual report generation. Its taken to more clerical work required to prepare stock update and request reports. Time consumption is more for preparing current stock information. More number of hard copies is to maintained data loss prevention.

There is no central option to collect the things at one place. It is very time taking process.
There is no feature to automatically manage these activities. So, our project identifies that, and helps for managing them with less input. The web site acts as intermediate agent to both farm owners and consumers so that both parties are satisfied.

The software used to solve the problem and develop the application is Microsoft visual studio.net with ASP scripting and VB.net as programming language and MS - SQL server 2000 as back end database. We can design all types of varieties in a single one web application. It is very useful to the both farm owners and the consumers.

III. SCOPE OF THE PROJECT

Farm and livestock related interventions are found to be a successful strategy for poverty alleviations all over the world and large percentage of rural population depend on livestock rearing to earn their livelihood. Dairy Farming is a major livestock enterprise in India, where small and marginal farmers are engaged to earn their livelihood.

The main scope of our project is to improve the growth of the farm owners and consumers. In our web application the big level of farm owners only will not be satisfied. Both small level and big level of farm owners also benefited. We improve the economical status of both small and big level of farm owners. We destroy the poverty in the both farm owners. We collaborate all type of breeds in at one single webs application.

IV. OBJECTIVES OF THE PROJECT

The following are the main objectives of our project.

- ✓ To generate reports with less clerical effort.
- ✓ To update Stock and prepare item request reports details easily.
- ✓ To maintain soft copies to prevent data loss
.
- ✓ No eliminate the need to individual farm owner stock taking.
- ✓ To reduce the burden of the manual work because of the computerization of the system.
- ✓ To mail item request details to farm owner's mail id.

V. LIMITATIONS

The following are the limitations of our project. The use of buying and selling animals through online is very useful to the both farm owners and consumers. The farm owners can upload their breed variety in the add item folder, they can enter the breed category, type, age and extra. Consumers can view the breed variety details in the view stock folder.

They can select which one they want and request to the item details to the farm owners and buy the products through online. They can also buy the breed variety using online payment system.

Farm owners upload their dunk wastage details in stock item folder with Kilo grams . It will be in good quantity and quality. Consumers uses dung wastage as a fertilizer for their agricultural lands. In the current scenario, corona virus spreads all over the world, so the peoples are with be quarantine. In the current situation peoples are need some breeds. So they can buy the breed varieties using procurement.

So they can spent more time, cost and transport charges.In our web application consumers using online payment method. So they can spent less time, cost and transport charges.

VI. EXISTING SYSTEM Vs PROPOSED SYSTEM

EXISTING SYSTEM:

The Existing system was carried out manually. There is lot of difficulties available in the Existing system . The drawbacks of the Existing system such that checking for stock id tedious to process. In addition , communication among multiple farm owners requires more travelling cost.

Likewise, items requested details need to be updated daily in manual ledgers. The drawbacks of the Existing system such that provide by text-based interface, which not as user-friendly as graphical user interface.Since there is implemented in manually, so the response is very low.

The transaction are executed in off-line mode data capture and modification is not possible. The application of breeding animals is separately for the domestic animals. Some of the papers containing only animal welfare programs, using senors for monitoring breed animals performances, activities, and etc,. Some of the base papers containing only user manual for the domestic animals.

DRAWBACKS OF EXISTING SYSTEM

The Existing system has following disadvantages;

- ✓ The traditional approach requires manual report generation.
- ✓ More clerical work required to prepare stock update and request reports.
- ✓ Time consumption is more for preparing current stock information.
- ✓ More number of hard copies is to maintained data loss prevention.
- ✓ All transaction process is not accurately.
- ✓ Existing system has applications for separately.
- ✓ There is no online payment in the previous applications.
- ✓ It takes more time, cost, transport charges.

PROPOSED SYSTEM

The proposed system is required to automate the stock maintenance activities with less human effort. In addition, if the reports are exported to excel and in PDF format, it will be useful. The proposed system is managing fast data processing
and report generation.

In addition, communication among farm owners/consumers is made through the web application itself. There is no need of phone calls to the request the items. Since various branches are given with users and password,
the details can be viewed from their login. So the proposed system solves the drawbacks of the existing system . The mode of operation is web application.

The main objective of domestic farm portal is to enhance and upgrade the existing system by increasing it's efficiency and effectiveness. The software improves the working method by replacing the existing manual system with the computer based system.

The domestic farm portal automates each and every activity of the manual system and increase it's throughput, thus the response time of the system is very less and it works very fast. We can add the different types of languages like tamil, english, etc ,.

We can add the online payment system and my cart feasibility system. The farm owner will be share to their locations. The adding item details to the farm owners like cow, hen, goat, etc, will be provide. It can be used as a fertilizer for agricultural lands.

ADVANTAGES OF PROPOSED SYSTEM

The proposed system has following advantages;

- ✓ The proposed approach helps to generate reports with less effort.
- ✓ Stock update and item request reports details are easily prepared.
- ✓ Soft copies can be easily maintained to prevent data loss.
- ✓ Individual farm owner stock taking is not necessary.
- ✓ The burden of the manual work is reduced because of the computerization of the system.
- ✓ Item request details are mailed to farm owner's mail id.

VII FEASIBILITY STUDY

The feasibility study deals with all the analysis that takes up in developing the project. Each structure has to be thought of in the developing of the project, as it has to serve the end user in a user-friendly manner. One must know the type of information to be gathered and the system analysis consist of collecting, Organizing and evaluating facts about a system and its environment.
The main objective of the system analysis is to study the existing operation and to learn and accomplish the processing activities. The centralized farmer consumer collaboration activities management process through web application need to be analyzed well. The details are processed through coding themselves. It will be controlled by the programs alone.

ECONOMIC FEASIBILITY

The organization has to buy a personal computer with a keyboard and a mouse, this is a direct cost. There are many direct benefits of covering the manual system to computerized system. The user can be given responses on

asking questions, justification of any capital outlay is that it will reduce expenditure or improve the quality of service or goods, which in turn may be expected to provide the increased profits.

OPERATIONAL FEASIBILITY

The Proposed system accessing process to solves problems what occurred in existing system. The current day-to-day operations of the organization can be fit into this system. Mainly operational feasibility should include on analysis of how the proposed system will affects the organizational structures and procedures.

TECHNICAL FEASIBILITY

The cost and benefit analysis may be concluded that computerized system is favorable in today's fast moving world. The assessment of technical feasibility must be based on an outline design of the system requirements in terms of input, output, files, programs and procedure. The project aims to collaborate both farmers and consumers for their trading activities in centralized manner using web application. The current system aims to overcome the problems of the existing system. The current system is to reduce the technical skill requirements so that more number of users can access the application.

VIII LITERATURE REVIEW

[1] Alan M Goldberg (2016) Farm Animal Welfare and Human Health : The paper examines the relationship between farm animal welfare, industrial farm animal production, and human health consequences. The data suggest that when the animal welfare of land-based farm animals is compromised, there are resulting significant negative human health consequences due to environmental degradation, the use of non-therapeutic levels of antibiotics for growth promotion, and the consequences of intensification. This paper accepts that even if meat and fish consumption is reduced, meat and fish will be part of the diet of the future. Industrial production modified from the current intensified systems will still be required to feed the world in 2050 and beyond. This paper identifies the concept of sustainable intensification and suggests that if farm animal welfare is improved, many of the human health consequences of intensified industrial production can be eliminated or reduced. In water-based farm animal production, many new systems are resulting in a product that actually protects the environment and can be done at industrial levels without the use of antibiotics.

[2] Luis Nobrega , Pedro Goncalves , Paulo Pereira and Jose Pereira (2019 Feb 31) An IOT - based solution for intelligent farming. Intelligent farming is one of the vast range of applications covered by the Internet of Things concept. Notwithstanding, such applications present specific requirements and constraints that are dependent on their purpose. A practical case on which that is particularly relevant is the Sheep IT project, where an automated IOT - based system controls grazing sheep within vineyards, guaranteeing that they do not threaten cultures. Due to its rigid requirements, particularly regarding the deployment of the Wireless Sensor Network, Machine-2-Machine communications and necessary interactions with a computational platform available through the Internet, Internet Protocol-based solutions are not suitable. Consequently, a customized communication stack has been developed, that intends to meet the project requirements, from the physical to the Application Layers. Although it has been developed considering the Sheep IT requirements, its use may be extended to more generic intelligent farming applications, since most of the requirements are directly related with the farming environment. This paper reviews the proposed stack and details the recent developments. Particularly, we focused on Internet of Things/Machine-2-Machine interaction, describing the design and deployment of a gateway that addresses the Sheep IT service requirements. Additionally, and complementary to previously published results, we evaluate the gateway performance and show its feasibility and scalability in a real scenario.

[3] Mehmat Bilen , Ali Hakan Isik and Tuncay yigit (2017) Expert system software for Domestic animals.Today, information technology has been used frequently in the veterinary field. Storage, information gathering and interpretation processes are realized by transferring the related field data to digital medium. In this context, expert systems provide important implications for symptom-disease relationship. In the study, the symptoms obtained from the pets are evaluated by the expert system and the inference is made about the diagnosis of the disease. Expert system software developed with ASP.NET MVC has responsive mobile and web interface. In the software, the user obtains information about the possible diseases by entering symptoms from the interface. With a web based software developed in a dynamic structure, it is possible to update symptom and illness data of specialist veterinarian about pets. Thus, new diseases and symptoms can be transferred to the written form. Software and veterinary expert veterinary information may be used by other veterinarians in the area concerned. The software is being used to cover other animals except cats / dogs.

[4] Emma Roe, Henry Buller and J Bull (2011) The performance of animal assessment . This paper argues that the current drive towards greater use of animal-based measures for welfare assessment raises important issues

for how farm visits by welfare assessors are performed. As social scientists, we employ a number of contemporary social science ideas to offer a new approach to examining the practice and performance of farm animal assessment. We identify key findings from a recent study of contemporary farm assessment and speculate upon what some of the challenges of introducing animal-based measures may be. We conclude by arguing for a greater awareness of how sets of knowledge are made, circulated, practiced and become an integral component of the procedures, practices and discourses around farm animal welfare assessment in farm assurance.

IX CONCLUSION

Through this project, collaboration between farm owners and consumers regarding their trading activities are made using online. The farm owners add all the details through their login and the consumers add all the details through their login. Thus the web site acts as an intermediate between two kind of parties and increases their satisfaction. The parties analyze the requirement and decide to sell or buy their items using this web site.

Since the application is designed as web, any browser can be used to view the application. The change password helps to protect the accessibility of users. The application is tested well and end users satisfaction is found to be more. The application is designed such that minimum internet knowledge is required for end users to browse the web site.

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