**MAIN PROJECT ABSTRACT**

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**Mini Project**

**Topic: Poultry Management System**

**Abstract**

Poultry Management System is a desktop application developed in PHP platform. It is a simple and informative system in PHP that manages all the activities of a poultry farm including the breed management, egg production rate, cages for farming, mortality rate, proper feeding and adequate medications. Proposed system is to automate poultry management so that users can track their livestock effectively. If anyone needs to purchase bulky products like hen, eggs or cages by online for setting their own farm, this poultry management system will help them to save their time and cost. Without any intermediate the customer can directly enquire and purchase from the owner.

Availability is a major concern in poultry management. So, implementing poultry management system as a website, users can immediately get the whole information about their needs. Like, what breeds they are looking for, when the chicks get vaccinated, what type of feeds are given to chicks and who are the distributors etc. After enquiry one can easily book products by online by paying through online platforms. It will allow the long-distance customers to easily tackle their needs without any time lapse. Also, online booking helps the distributor to schedule the supply time.

Poultry Management System comes with wide range of features and functionalities. So, customers can enter by registering. Once registered, they can sign in with credentials and view their page. Also, admin can add and update the details of the cock or chicken and get the notification. Moreover, this is completely safe and fast as it has fully featured software with a user-friendly interface which manages poultry efficiently.

The Existing System

In existing system, it was found to be completely manual i.e customers has to approach directly to the shop owner or purchase directly those who are in long distances. It seems to be difficult for them.

Problems/Disadvantages of Existing System

* The system is slow, tedious and limited processing of data.
* Cannot ensure availability of products.
* Completely Manual.

The Proposed System

In proposed system, it helps to automate everything and get notification of whatever they are looking for. However, customer has an option for advanced booking for a batch of chicken. It has been computerized to run the farm easily. Records are maintained in a database. Any query related to requests is generated immediately. Most of the manual works are reduced.

Advantages

* Fast and cost saving.
* Easily maintained and generated.
* Very less paper work.
* User friendly.
* Less space requirement.

**Modules**

The modules of the system are:

* Customer
* Admin
* Farmer
* Wholesaler
* Supplier
* Hatchery

**Micro Project** - Both customer and admin can register and Login with functionality of forgot password.

**Mini Project**

* Customer

First, customer needs to register. Once registered, after that

Step 1: Login with username and password.

Step 2: View page, edit profile, can change password.

Step 3: Know about breeds like ‘*BV380*’, ‘*Indbro*’, ‘*Sasso*’, ‘*Kalinga brown’*, ‘*Gramasree*’, ‘*Gramalakshmi*’, ‘*Rainbow rooster’*. Batch details, Hatch date, Date of Supply, Medicination, Time for vaccination, Feed types, etc.

Step 4: Customer can add to cart for purchasing products. View status.

Step 5: Provides feedback.

* Admin

Owner can accept customer requests by performing certain actions.

Step 1: Login with user name and password.

Step 2: Add customers/staff.

Step 3: Can **add, update** the breed of the cock or chicken. Admin can add all the details about the chicken and get the notification. **Add/update/delete** feed type, egg production, Medicination, hatchery, add distributors.

Step 4: View Orders from customers.

**Main Project**

* Farmer

Step 1: Login with user name and password.

Step 2: Order birds from Hatchery and Wholesaler and feeds from supplier.

Step 3: Add Birds.

Step 4: View orders from suppliers, wholesaler, hatchery, stock.

Step 5: Generate Bill.

* Wholesaler

Step 1: Login with user name and password.

Step 2: Order birds from Farmer.

Step 3: Request Order.

Step 4: View orders from farmer, stock.

* Supplier

Step 1: Login with user name and password.

Step 2: Request Order.

Step 3: View orders from farmer, stock.

* Hatchery

Step 1: Login with user name and password.

Step 2: Request Order.

Step 3: View orders from farmer, stock.

Step 4: Add Birds.

Future scope:

1. **Purchase breed/feed/cage** through **online payment method** by customer.
2. Admin can add a functionality regarding the purchase of any breed/feed by the customer by showing **nearest distributor**.
3. After purchase, customer get updated (including delivery date) about transportation using **GPS tracking**
4. Admin can **manage income and expenses**.
5. Directing **Medical consulting** with nearby Vetenary clinics**.**

**Project Requirements**

Front end development

* HTML – User interface Design
* CSS – Styling.
* JavaScript – Validation

Back end development

* PHP – Back end for developing web pages.
* MySQL – Database.
* Xampp – Server to run the web application.
* Operating System - Windows based.