

## **Title of Project / Skill:**

**Farm tech Academy: Poultry Management and Sales Web System**

### **Category:**

Innovation Project

### **Department / Area:**

Information Communication Technology (ICT) / Agribusiness

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## **PROJECT DETAILS**

### **1. Theme Alignment**

The Farm tech Academy project aligns with innovation and digital transformation in agriculture by introducing a web-based poultry management and training system. The project integrates ICT skills and modern farming practices to support poultry feeding, vaccination management, and poultry product sales.

### **2. Problem Statement / Skills Gap**

a) Many poultry farmers lack proper systems for managing chicken feeding schedules, vaccination programs, and tracking chicken and egg sales. Most farmers use manual record keeping which leads to poor management and financial losses.

#### **b) Disease Outbreaks**

Farmers sometimes forget vaccination schedules or fail to detect diseases early, leading to loss of chickens and reduced production.

#### **c) Market Challenges**

Farmers may face difficulty finding buyers or managing sales records, which can lead to loss of income.

#### **d) Lack of Technical Knowledge**

Some farmers lack knowledge of modern poultry management techniques and digital farming systems.

#### **e) Poor Time Management**

Manual farm operations take a lot of time, making it difficult for farmers to manage poultry activities efficiently.

### **3. Description of the Idea**

a)

Farm tech Academy is a web-based platform developed using HTML, CSS, and JavaScript. The system provides poultry training, management tools, and sales tracking for chickens and eggs.

#### **b) Key Features and How It Works:**

##### **Ten-Day Chicken Selling Management**

- ✓ Tracks chicken growth stages
- ✓ Records chickens ready for sale after ten days
- ✓ Displays available stock

##### **Egg Selling System**

- ✓ Records egg production
- ✓ Tracks daily egg sales
- ✓ Calculates total income from egg sales

##### **Feeding Management**

- ✓ Displays feeding schedules
- ✓ Tracks feed usage
- ✓ Provides feeding reminders

##### **Vaccination Management**

- ✓ Stores vaccination schedules
- ✓ Sends reminders for vaccination dates
- ✓ Records vaccination history

##### **Web Development Features**

HTML: Creates structured pages, forms, and content

CSS: Designs layout, colours, and user interface

JavaScript: Adds interactivity, data validation, and automation

##### ***GitHub Hosting***

The system is hosted online through GitHub

Provides easy access through a website link

Allows system updates and maintenance

#### **4. Innovation and Originality**

Farm Tech Academy Poultry Management System is considered an innovation because it introduces new and improved ways of managing poultry farming using technology.

##### **1. Use of Digital Technology in Farming**

The project replaces manual record keeping with a web-based system. Farmers can store and access poultry data online, which makes farm management faster and more accurate.

##### **2. Improves Disease Control**

The vaccination reminder feature helps farmers vaccinate chickens on time, reducing disease outbreaks and improving poultry health.

##### **3. Improves Business and Income Tracking**

Farmers can easily track egg and chicken sales. This helps them monitor profits and make better business decisions.

##### **4. Accessibility and Scalability**

Since the system is hosted online using GitHub, it can be accessed anywhere with internet. It can also be expanded

#### **5. Relevance and Practicality**

##### **1. Relevance**

The Farm Tech Academy Poultry Management System is relevant because it solves real problems faced by poultry farmers. Many farmers struggle with managing chicken feeding, vaccination schedules, and sales records. The project provides a digital solution that improves farm management and supports modern agricultural practices.

##### **2. Practicality**

The project is practical because it can be easily used by poultry farmers. It uses simple and affordable technology such as HTML, CSS, JavaScript, and free GitHub hosting. The system helps farmers track poultry activities, improve productivity, and reduce losses. It can also be expanded to support larger farms and additional farming activities.

#### **6. Resources and Budget (Summary)**

##### **a) Materials / Tools Required:**

Computer or laptop

Internet connection

Text editor (e.g., VS Code)

Web browser

Poultry demonstration materials

**b) Estimated Budget:**

Requirements	Cost(sh.)
Internet and data	Sh.1500
Poultry demonstration setup ✓ Chicken feeds ✓ Vaccination ✓ Feeding and drinking equipment	sh. 8000
Transportation	Sh.2000
<b>Total Estimated</b>	<b>Sh.11500</b>

**7. Feasibility/possibility and Timeline**

**a)**

The project is feasible because HTML, CSS, and JavaScript are accessible and free programming technologies. GitHub hosting is also free and easy to use.

**b) Estimated Timeline:**

ITEMS	DURATION
Planning and design	1 week
Coding and system development	3 weeks
Testing and hosting on GitHub	1 week
<b>Total Time</b>	<b>5 weeks</b>

**8. Expected Outcomes**

**a) Development of a Poultry Management Website**

The project will produce a working web-based system that manages chicken selling, egg selling, vaccination schedules, and feeding programs.

**b) Improved Record Keeping**

Farmers will be able to store and manage poultry records digitally, reducing loss of information and improving accuracy.

**c) Better Poultry Health Management**

The vaccination reminder feature will help farmers vaccinate chickens on time, reducing diseases and mortality rates.

**d) Improved Productivity**

Proper feeding and health monitoring will increase egg production and chicken growth.

**e) Improved Business Management**

Farmers will easily track sales of eggs and chickens, helping them monitor income and profits.

**f) Development of ICT Skills**

The project will improve skills in HTML, CSS, JavaScript, and GitHub hosting.

**g) Promotion of Modern Farming Technology**

The system will encourage farmers to adopt digital solutions in agriculture.

**Declaration**

I confirm that this idea is original and has been developed for educational, skills development, or innovation purposes.

**Innovator's / Supervisor's Name:** Madam Jackline

**Signature:**  **Date:** 10th Feb,2026