

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 <ul style="list-style-type: none">✓ Chicken feeds✓ Vaccination✓ Feeding and drinking equipment	sh. 8000
Transportation	Sh.2000
Total Estimated	Sh.11500

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
Total Time	5 weeks

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