

# System Study for Dairy Care System Project

Conducting a system study involves comparing the proposed Dairy Care System with existing systems to highlight its advantages.

## Existing Systems

There are so many dairy related sites. Not all of them consists the functions of a complete dairy farm management. They mainly consists of some parts of the management system or are just sites offering information about dairy related programs. All these sites have some advantages or important functionalities to be noted. But they too consists certain disadvantages too.

## Disadvantages of Existing Systems

Here I have considered five dairy sites for my system study and have listed its disadvantages.

### 1) Milma

- Milma - <https://milma.com/>
- Limited technology integration as like machine learning
- System appears to be more like a traditional one without modern authentication mechanisms and user roles
- Mainly focus on product distribution and sale with less considerations on the farm management and health monitoring of animals
- Lack advanced features for collecting and analyzing feedbacks from customers

### 2) DelPro Farm Manager

- Delpro - <https://www.delaval.com/en-in/discover-farm-solutions/farm-management/delaval-delpro/>
- High cost for setup and maintenance and Complex installations
- Limited online supports that is, insufficient resources for support
- Lack feedback mechanism for collecting and analyzing customer opinions

### 3) Uniform-Agri

- Herd Management Software - <https://www.uniform-agri.com/>
- Do not support direct product sale

- Limited advanced analytical mechanisms like machine learning
- Features are difficult to navigate and use effectively

#### 4) Binsar Farms

- Binsar - <https://www.binsarfarms.com/>
- Limited functionalities, only showcase and provide information on products like advanced features like automated analysis and tracking
- Lack good user experience
- Lack of personalized services or recommendations for users
- Does not provide management tools such as animal management, milk production tracking and all

#### 5) Lactanet

- Lactanet - <https://lactanet.ca/en/apps-software/dairycomp/>
- Complexity of the system which makes users to feel overwhelmed
- High cost due to high functionalities and integration
- Customizing the system for a farm owner need can be challenging
- Heavy dependency on technical support for setup and all

## Proposed System

Here, I'm providing a dairy care system web application to compromise with all the dairy related mechanism that a private dairy farm must have. Its built using Django framework.

## Advantages of Proposed System

Here I have listed out the advantages of the project Dairy Care System compared to all other existing dairy related sites.

- User friendly interface for any type of people to use
- Cost effective and Easy to install application
- Effective feedback collection and analysis for further improvements
- Machine learning integration for production analysis and disease prediction
- Integrated e-commerce for product showcase and sale
- Integrated payment mechanisms for secure payment online (GPay) and offline (cash on delivery) and delivery mechanism using location tracking for easy transportation
- Beyond product distribution it includes modules for farm monitoring, health management, and all making it more comprehensive for dairy farmers