

# ABHILASH Milk Dairy Management System

This project simulates a simple Milk Dairy Management System, allowing users to login, deposit milk, purchase animal meal products, apply for loans, and get information about the dairy. The project demonstrates basic console interaction, use of functions, classes, and control structures in C++.

## Functionality

1. Login System: Users must login using a username and a preset password to access the system.
2. Milk Deposit: Users can deposit milk by entering details such as name, milk session, milk quantity, and fat content. The system calculates the total bill based on fat rate.
3. Animal Meal Purchase: Users can choose from a list of available meal products, input quantity, and receive a total bill for their purchase.
4. Loan Application: Users can apply for various types of loans (home, car, agriculture), calculate interest, EMI, and total dues.
5. About Section: Displays details about the dairy, its services, and product quality.

## Classes and Functions

1. Class ``info``: Stores customer details (name, number, milk session, milk quantity, fat content) and has methods to input data (``getdata()``) and display bill (``putdata()``).
2. Function ``login()``: Handles user login, checks for correct password.
3. Function ``deposit_milk()``: Handles the process of milk deposit, calls ``getdata()`` and ``putdata()`` methods.
4. Function ``menu()``: Displays the main menu for selecting different options.
5. Function ``meal()``: Manages the purchase of animal meal products.
6. Function ``loan()``: Allows users to apply for loans, calculates interest, EMI, and total due.

7. Function ``about()``: Displays information about the dairy.

## **Conclusion**

This project provides a basic simulation of a Milk Dairy Management System using C++. It covers essential features like login, data entry, calculations, and report generation, demonstrating object-oriented programming and interaction with the user through the console.