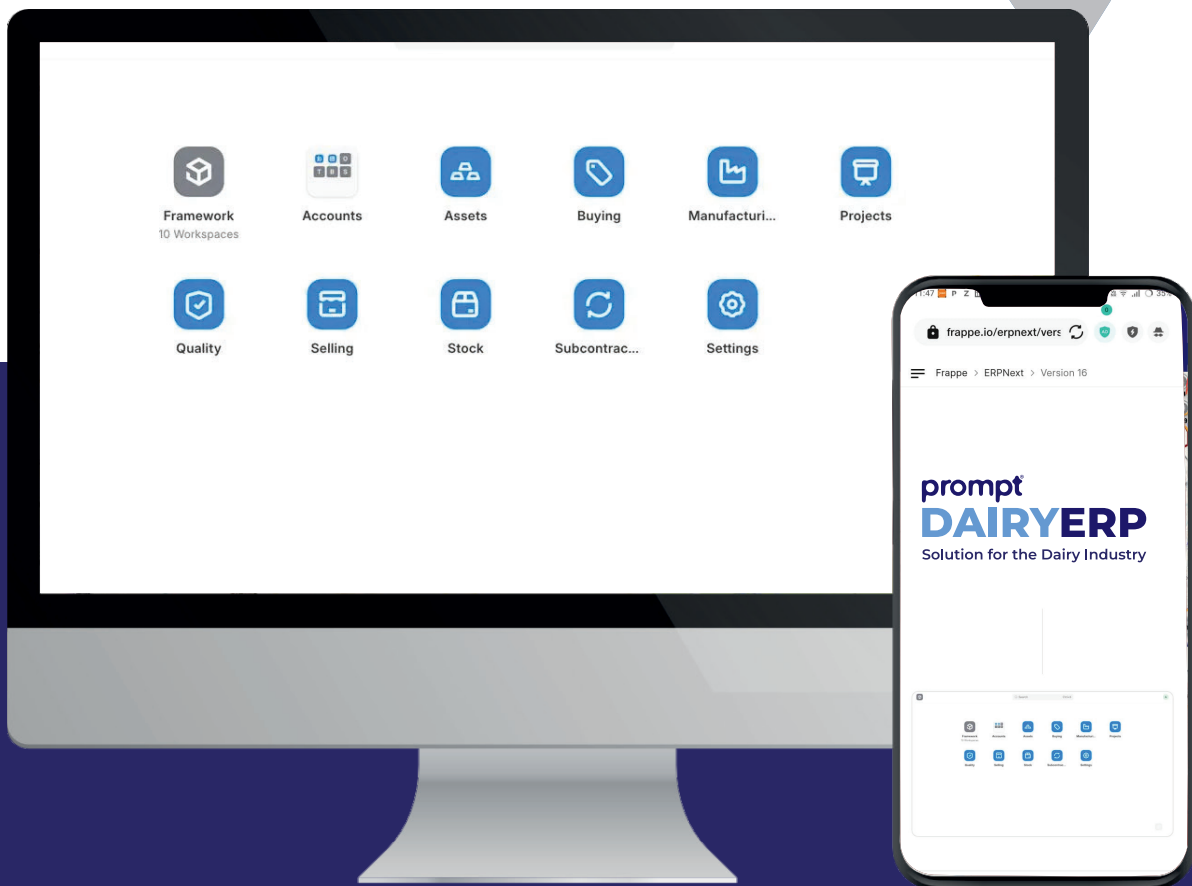


AI-Enabled Intelligence for Dairy Enterprises

prompt[®]
DAIRYERP
Solution for the Dairy Industry



Automated Milk Collection System (AMCS)

Prompt ERP offers a **fully integrated Automated Milk Collection System (AMCS)** tailored for cooperatives, unions, MPCs, and private dairies

Key Capabilities :-

Real-time Milk Collection

Integration with milk analyzers (FAT, SNF, CLR, Quantity)
Automatic capture of farmer ID, milk type (cow/buffalo/mixed), shift, and collection center

Instant Payment & Farmer Transparency

Automated milk value calculation based on FAT/SNF rate charts
Instant SMS/WhatsApp slips to farmers
Integration with bank/payment systems for direct farmer payments

Quality & Adulteration Control

Rejection rules for abnormal FAT/SNF/temperature
Historical quality trend analysis at farmer, route, and MCC level

Centralized Control and Analytics

Live dashboards for milk inflow, quality deviation, & center-wise performance
Integration with transport & production planning modules

Business Impact :-

- Faster milk procurement
- Elimination of manual errors and pilferage
- Improved farmer trust and transparency

AI-Driven Milk Route Optimisation

Prompt ERP uses AI and data analytics to optimise milk procurement and distribution routes.

AI Use Cases in Route Optimisation

Dynamic Milk Collection Routes

Optimisation based on milk volume, distance, time windows, and vehicle capacity
Reduced transit time to preserve milk quality

Real-time Exception Handling

Route re-planning in case of vehicle breakdowns or delayed collections

Fuel and Cost Optimisation

AI-based analysis of historical routes to reduce fuel consumption and logistics cost¹

Business Impact :-

- Reduced milk spoilage
- Lower transportation cost
- Consistent milk quality reaching the plant

Production & Processing Management

Prompt ERP supports end-to-end dairy production, from raw milk intake to finished goods, with a special focus on fat management and yield optimisation.

Core Production Capabilities

Milk Reception & Standardisation

Batch-wise tracking of milk quality (FAT/SNF) at plant intake
Automatic milk standardisation based on product requirements

Multi-Product Production Management

Liquid milk variants (Full Cream, Toned, Double Toned, Skimmed)
Value-added products (Curd, Butter, Ghee, Paneer, Cheese, Flavoured Milk, Ice Cream)

Fat & Yield Tracking During Production

Continuous tracking of FAT movement across processes
Variance analysis between theoretical and actual yields

Batch & Lot Traceability

Traceability from milk collection center to finished batch

Business Impact :-

- Better control on fat losses
- Higher production efficiency and margins
- Compliance with food safety and audit requirements

AI-Enabled Production Intelligence

Prompt ERP embeds AI-driven insights into production operations.

AI Use Cases in Production

Predictive Yield Analysis

AI models predict expected output based on milk quality and historical production data

Process Optimisation

Identification of bottlenecks and abnormal losses in FAT or solids

Quality Deviation Alerts

Early warning signals for quality deviations during processing

Business Impact :-

- Reduced wastage
- Improved consistency in product quality
- Proactive decision-making

Sales, Distribution & Retail Tracking

Prompt ERP enables complete visibility from plant to retail shelf.

Sales & Distribution Features

Order Management & Demand Planning

Distributor and retail order capture
Demand forecasting using historical sales data

Cold Chain & Distribution Tracking

Vehicle-wise dispatch planning
Temperature and delivery compliance tracking

Wholesale dealer & Retail level Traceability

Batch and expiry tracking up to retail stores
Recall readiness with backward traceability

Distributor & Retailer Performance Analytics

Sales, returns, expiry losses, and credit control

Business Impact :-

- Improved service levels
- Reduced expiry and returns
- Stronger distributor and retailer relationships

Unified Analytics & Decision Dashboards

Prompt ERP provides role-based dashboards for management, operations, and quality teams:



Milk procurement vs production vs sales



FAT recovery and yield efficiency



Route and logistics performance



Profitability by product, region, and channel

Standard modules:

Integrated management of Finance & Accounts, Human Resources, Inventory, Procurement, Assets, and Quality. Automates compliance, payroll, costing, and audit processes with real-time controls. Delivers unified visibility, operational discipline, and data-driven decision support across the organisation.

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