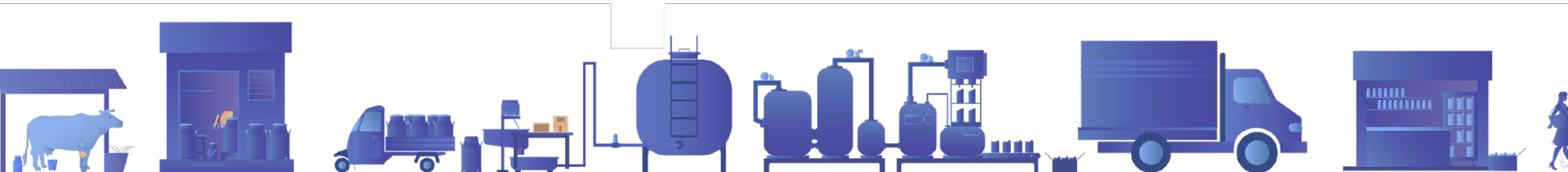


# “FieldMynd” - Android App for Route officers and other stakeholders



*stellapps*

Improving **P**roductivity, **Q**uality and **T**raceability across the supply chain



Module Name	Milk Trace (Handed Over)
BR	Track milk lifting, collection, and delivery at each procurement point. Send real-time updates to the app based on the specific site, responsible RO, and transporter.
Features	<ol style="list-style-type: none"> <li>1. Farmers Listing (Basic Details)</li> <li>2. Milk collection at the VLCC from the farmer (Qty, Qlty, Amount, Rate per Ltr)</li> <li>3. Dispatch from the VLCC (Qty, Qlty, Amount, Rate per Ltr)</li> <li>4. Milk Inward at the chilling center (Qty, Qlty, Amount, Rate per Ltr)</li> <li>5. Milk dispatch from the chilling center to the tanker(Qty, Qlty, Temp, Time) (Not handed Over)</li> <li>6. What's inside the BMC from the conTrak data(Not Handed over)</li> <li>7. Milk inward at the plant from the tanker(Qty, Qlty, Temp, Time) (not handed over)</li> </ol>
Expected Usage	Every day and Every Shift
Application Type	Mobile only
Target Users	Primary Users: Route Officers Optional : Transporter
# Phase	Phase 1



Module Name	User Management and Route Associations (Handed Over)
BR	To manage the users of the app and their roles & areas of operations
Features	<ol style="list-style-type: none"> <li>1. User Roles: Define and manage distinct roles for stakeholders (route officers, transporters, managers, operators, etc.).</li> <li>2. User Lifecycle Management: Create, modify, disable, authenticate, and reinstate user accounts.</li> <li>3. Role-Based Access Control: Implement granular permission settings based on user roles to protect sensitive data.</li> <li>4. Roles include approver, number of approvers, financial approver, creating routes, onboarding transporters, and super admin.</li> <li>5. Associating the Users to their respective routes</li> </ol>
Expected Usage	Every day
Application Type	Web Only
Target Users	Primary Users: MIS, Managers
Phase	Phase 1

Module Name	Alerts , Notifications
BR	To Notify the users about the status change or any other push notifications from the MIS, Other Route officers
Features	<ol style="list-style-type: none"> <li>1. In-app and push notification (phase 1)</li> <li>2. Generating notifications from the app. (phase 1)</li> <li>3. Payment-related alerts (phase 1)</li> <li>4. Alerts on the penalties; Generate alerts for delays (respective Functionality phase)</li> <li>5. Route deviations and other critical events like BMC breakdowns and power failures(respective Functionality phase)</li> <li>6. Truck maintenance, Pickup delay, Next maintenance Due date (respective Functionality phase)</li> <li>7. Rate chart change Alert (respective Functionality phase)</li> <li>8. Real-time alerts of non-pickup/delivery. (respective Functionality phase)</li> </ol>
Expected Usage	Every day
Application Type	Mobile Only
Target Users	Primary Users: Route Officers, Driver and others
Phase	Phase 1

Module Name	Stakeholder Management(from App)
BR	To help RO in Viewing, onboarding, editing farmers,Drivers,Transporters, VLCC operators,landlords,labours and others information
Features	<ol style="list-style-type: none"> <li>1. Providing flexibility to view, create, and update any vendor's basic information, such as name, contact details, associated farmers, drivers, laborers, landlords, and transporters, along with their assigned routes, VLCCs, CCs, and plants.</li> <li>2. Option of uploading the KYC, bank details, rental documents, and any other relevant documents for farmers, VLCC operators, drivers, transporters, &amp; others.</li> <li>3. Integrating with AMCU for the update or create for farmers in app with Approval/OTP flow</li> <li>4. Option to view and update KYC pending farmers &amp; others</li> <li>5. RFM data visibility (against each farmer showing which bucket is he falling)(in Future may be adding VLCC and other hierarchy )</li> <li>6. Viewing vendor payment information, along with Penalties/deductions and reason for Penalties/deductions</li> <li>7. Driver cost calculation based on his attendance and support for additional drivers (later phases)</li> </ol>
Expected Usage	Every day
Application Type	Both App & Web
Target Users	Primary Users Web: Manager,MIS
Phase	Phase 2

Module Name	Route Management
BR	To manage the routes for operations
Features	<ol style="list-style-type: none"> <li>1. Manually creating routes by entering the distance between the points in a route (phase 1)</li> <li>2. Creating the transporter/driver attendance for transport cost calculation (phase 1)</li> <li>3. Check in &amp; check out at each point in route or hierarchy by RO (phase 1)</li> <li>4. Creating the real-time alerts for route/point of pickup and drop changes, non-pickup/delivery, and informing the drivers and other stakeholders (phase 1)</li> <li>5. Approval &amp; Reconciliation of Routes (specific user role)</li> <li>6. Creating routes with actual GPS data (Integrating with here.com, OLA Maps, etc.) (phase 4)</li> <li>7. Roads information to optimize routes based on quantity, time of collection, and conTrak data (later phases).</li> <li>8. Realtime optimization of routes based on multi-compartment, fleet mix, chiller locations, product shelf life, and other parameters. (later phases)</li> <li>9. Scheduling the new pickup/drop of milk or any other product and notifying this information to the driver/transporter.</li> </ol>
Expected Usage	Every day
Application Type	Both Apps & Web
Target Users	Primary Users: MIS, Managers
Phase	Phase 2



Module Name	Vehicle Management
BR	To manage the routes for operations
Features	<ol style="list-style-type: none"> <li>1. Onboarding and updating vehicle data with an approval flow. Modifying vehicle timings to notify drivers of shift changes.</li> <li>2. Tanker Loading Percentage – Track tanker load with manual input of actual milk loaded (from driver). Monitor significant variations in available tanker capacities, including multi-compartment tankers.</li> <li>3. Feature to enter the fuel consumption data, capturing tachograph information, truck behaviour, fuel recovered at the fuel pump (by a specific driver &amp; truck). This requirement is more for countries that own their transportation fleet.</li> <li>4. Real-time alerts of non-pickup/delivery</li> <li>5. Predefined loads for pick up</li> <li>6. Real Time alerts on route changes, delays, etc</li> <li>7. Factory demands and time allocation to vehicle and informing the driver/transporter about the demand and expected time of the tanker at the plant (later phases)</li> <li>8. Rerouting the tankers based on the road conditions (with integration other vendors) (at later phases)</li> </ol>
Expected Usage	Every day
Application Type	Both App & Web
Target Users	Primary Users: MIS, Managers
	Phase 2 

Module Name	Reports
BR	Comprehensive reports for RO, Drivers, transporters, and MIS
Features	<ol style="list-style-type: none"> <li>1. Vendors Attendance: Transporter, RO, and others</li> <li>2. Tasks Status report: Pending, Completed, In progress</li> <li>3. Claim Report: Report for travel and other expenses</li> <li>4. Farmer Onboarding with approval/reject status reports</li> <li>5. KYC Status of Vendors: Logs (who did the changes, when did they change, etc)</li> <li>6. Check the vendor payments and deductions reports</li> <li>7. Route change log reports.</li> <li>8. Tickets reports.</li> <li>9. Forecasting reports.</li> <li>10. Actual vs target report of milk procurement</li> </ol>
Expected Usage	Every day
Application Type	Web Only (some basic reports we will plan in respective sections in app)
Target Users	Primary Users Web: Manager, MIS
Phase	Phase 1/2/3
Primary Plan	Some reports can be fetched from smartAMCU

Module Name	Tickets
BR	To manage the concerns raised by the RO, Driver, Transporter
Features	<ol style="list-style-type: none"> <li>1. Option to raise the ticket with image capture and document upload</li> <li>2. Notification of the tickets to the respective stakeholders</li> <li>3. Tracking the status of each of the tickets raised</li> <li>4. Processing plant estimation for milk needed , requesting the farmers for the milk through smartfarms app (Not handed over)</li> </ol>
Expected Usage	Every day
Application Type	Mobile and Web portal
Target Users	Primary Users Mobile: Route Officers, Drivers, and Transporters Primary Users Web: Manager,MIS
Phase	Phase 3
Primary Plan	Reference from odoo ticket management

Module Name	Meeting Management
BR	To manage the meetings attended by the route officer
Features	<ol style="list-style-type: none"> <li>1. Tracking of the meeting of the farmer/collection center agent whom he met, what he did, etc</li> <li>2. Option to upload multiple images of the meeting,agenda</li> <li>3. Getting the contact details of the farmers attended</li> </ol>
Expected Usage	Every day
Application Type	Mobile only
Target Users	Primary Users: RO
Phase	Phase 3
Primary Plan	Reference from AMCU user management

Module Name	Attendance
BR	To track the time and attendance of RO and driver or others.
Features	<ol style="list-style-type: none"> <li>1. Attendance of the RO, Driver, and Others (Attendance while visiting the center with GPS coordinates, analyzing time spent in each work location).</li> <li>2. Attendance on the quality concerns (Alcohol +ve, Antibiotic +ve, sugar, and other added adulterants, MBRT)</li> <li>3. Proof upload of the pickup, delivery, exchange, and quality issues</li> </ol>
Expected Usage	Every Day and Every Shift
Application Type	Mobile only
Target Users	Primary Users: Route Officers, drivers, and others
# Phase	Phase 4
Primary Plan	To develop something similar to the FieldSense app

Module Name	Competitor and other Field Data Capturing
BR	To be able to capture data
Features	Competitor and market data capturing from route officer
Expected Usage	Every day
Application Type	Mobile only
Target Users	Primary Users: RO
Phase	Phase 4
Primary Plan	Reference from smartFarms

Module Name	Claims
BR	To help the RO to apply and know the status of their claims
Features	<ol style="list-style-type: none"> <li>1. Apply for the claims (Date,Amount,Photo upload, reason, remarks).</li> <li>2. Knowing the status of each claim along with notification</li> <li>3. Summary of Claims made</li> <li>4. Verify the attendance for the claims made, with the action (approve, reject, review) for the claim (Web portal login only)</li> </ol>
Expected Usage	Every day
Application Type	Both Web and Mobile
Target Users	Primary Users Mobile: Route Officers, Drivers, and Transporters Primary Users Web: Manager,MIS
Phase	Phase 5
Primary Plan	To develop on the similar lines of the FieldSense app

Module Name	Farm Management
BR	To predict milk demand in a route based on the cattle data and also view farms information about herd, agriculture, regen ag etc
Features	<ol style="list-style-type: none"> <li>1. Showing herd counts and farm KPIs</li> <li>2. Upload of contract documents against a farm</li> <li>3. Tracking changes in herd, crop, and other agriculture-related data.</li> <li>4. Visibility of the farmers finances, ex. reports of the payments, milk bill, etc</li> <li>5. Raising complaints against a farmer by RO or others showing that complaint as a notification in the smartfarms app</li> <li>6. Technicians Tool to run different audits on the farm, e.g. questionnaires available on the tool; inputs provided directly to regulating external party interface (including quality, animal welfare, environmental, etc)</li> <li>7. Technician visibility of farm information and performance such as herd counts, farm size, volume, quality, solids, financials, audit results, etc.</li> </ol>
Expected Usage	Every day
Application Type	Mobile only
Target Users	Primary Users: RO
Phase	Phase 5

Module Name	Forecasting Management
BR	Optimize milk forecasting using AI, real-time procurement data, and seasonal trends.
Features	<ol style="list-style-type: none"> <li>1. Milk Projections/forecasting for the next 'x' Months by VLCC, Chilling Center (web only)</li> <li>2. Target for milk procurement for VLCC, Chilling Centre, Routes and summary dashboard.</li> <li>3. Informing the route officer of varying plant milk requirements for different types of milk.</li> </ol>
Expected Usage	Every day
Application Type	Both App & Web
Target Users	Primary Users: MIS, Managers
Phase	Phase 5

# Product roadmap

Modules	Phase of development
Milk Trace	Phase 1
User Management and Route Associations	Phase 1
Alerts and Notifications	Phase 1
Stakeholder Management (from App)	Phase 2
Route Management	Phase 2
Vehicle Management	Phase 2
Reports	Phase 1/2/3
Tickets	Phase 3
Meeting Management	Phase 3
Attendance	Phase 4
Competitor and other Field Data Capturing	Phase 4
Forecasting Management	Phase 5
Claims	Phase 5
Farm Management	Phase 5

# Feature 1 - Present Status of Collection/Chilling centers (App/Web)

11:26 81%  
COLLECTION SUMMARY

Chilling center | Collection center | Farmers

Rate Charts | Reports | Favourites

23-07-2024 MORNING

Farmers | Milk | Amount

Average rate/litre

Average qty/farmer

Average amount/farmer

Aggregate fat

Aggregate SNF

No Network Connection

OK

11:26 82%  
COLLECTION CENTERS

Chilling center N G HULKUR 23-07-2024 MORNING

Deployed Sites

GOVINDA NAGER (AP02005) Add To Favourite

Cost per litre ₹ 0.0	No. of Farmers 0	Quantity of milk 0 l
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ACHAMPALLI (KA200009) Add To Favourite

Cost per litre ₹ 30.58	No. of Farmers 37	Quantity of milk 362.86 l
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MADDERI (KA200014) Add To Favourite

Cost per litre ₹ 27.76	No. of Farmers 13	Quantity of milk 132.12 l
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NAGARAHALLI (KA200019) Add To Favourite

Cost per litre ₹ 0.0	No. of Farmers 0	Quantity of milk 0 l
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SRINIVASAPURA (KA200025) Add To Favourite

Cost per litre ₹ 29.26	No. of Farmers 11	Quantity of milk 107 l
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SUNNAKUPPA (KA200026) Add To Favourite

Cost per litre ₹ 0.0	No. of Farmers 0	Quantity of milk 0 l
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11:26 81%  
CHILLING CENTERS

23-07-2024 MORNING

MADIKERI (KA090001) Add To Favourite

Cost per litre ₹ 30.05	No. of Farmers 180	Quantity of milk 1.69 kl
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GUTTAHALLI (KA200001) Add To Favourite

Cost per litre ₹ 30.17	No. of Farmers 174	Quantity of milk 1.66 kl
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MADIVALA (KA200023) Add To Favourite

Cost per litre ₹ 0.0	No. of Farmers 0	Quantity of milk 0 l
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N G HULKUR (KA200061) Add To Favourite

Cost per litre ₹ 29.88	No. of Farmers 246	Quantity of milk 1.99 kl
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CHAMANAHALLI (KA200063) Add To Favourite

Cost per litre ₹ 29.74	No. of Farmers 155	Quantity of milk 1.5 kl
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GUMMAKAL (KA200069) Add To Favourite

Cost per litre ₹ 0.0	No. of Farmers 0	Quantity of milk 0 l
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AVANI (KA200090) Add To Favourite

11:27 82%  
ORGANISATION REPORT

Report Duration Last 3 months

	JULY	JUNE	MAY
No. of Collection centers	533	533	533
Quality of milk	8.4	8.4	8.31
Quantity of milk	504.7 kl	693.28 kl	670.18 kl
No. of farmers	9852	9836	9794
Cost per litre	31.12	34.37	34.89
Total cost of collection	157.03 L	238.32 L	233.77 L