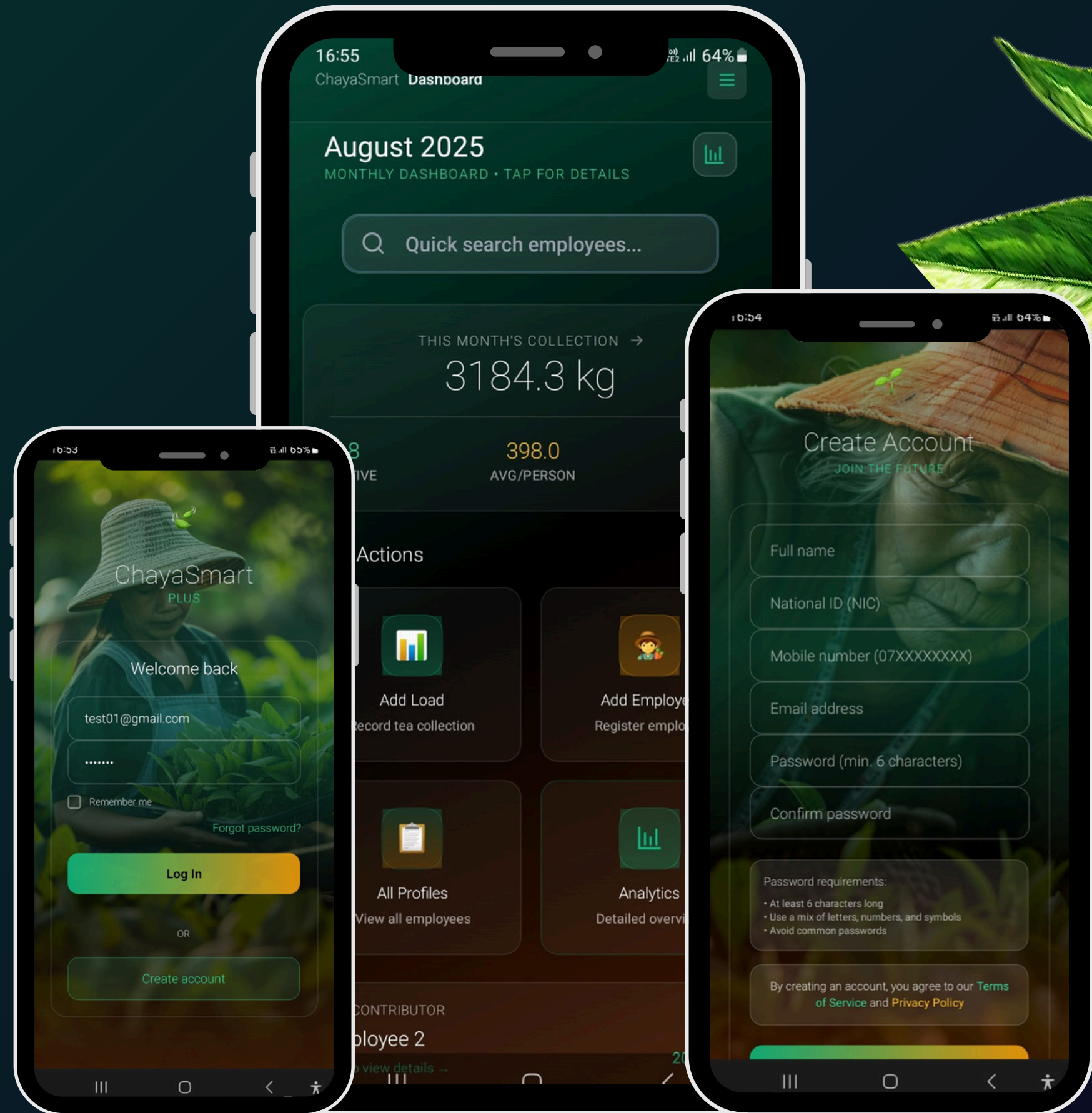




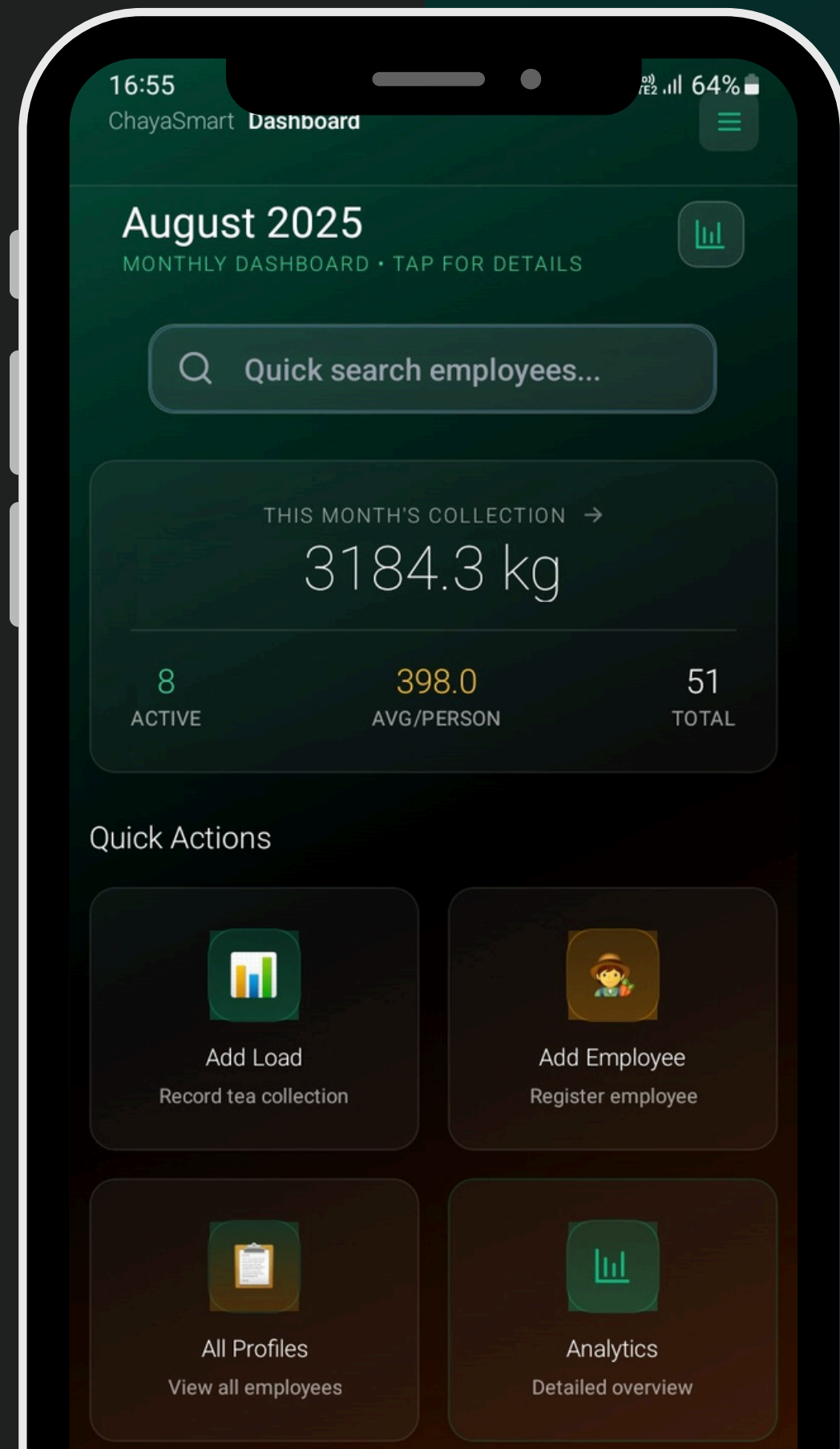
CHAYA SMART
PLUS +

Chaya Smart Plus+





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Chaya Smart Plus: A Mobile-Based Smart Administration System for Tea Collection Centers

ChayaSmartPlus is a mobile-based administration system designed to streamline tea collection center operations. Built with React Native, Supabase, and Firebase, the app enables real-time tea load entry, employee management, and performance tracking through a user-friendly interface. It replaces manual processes with a smart, efficient, and data-driven solution.



Problem

01

Inefficiency: Manual recording slows down the process and increases administrative workload.

02

Data Loss Risks: Paper-based or offline data entry methods are prone to damage, misplacement, or accidental deletion.

03

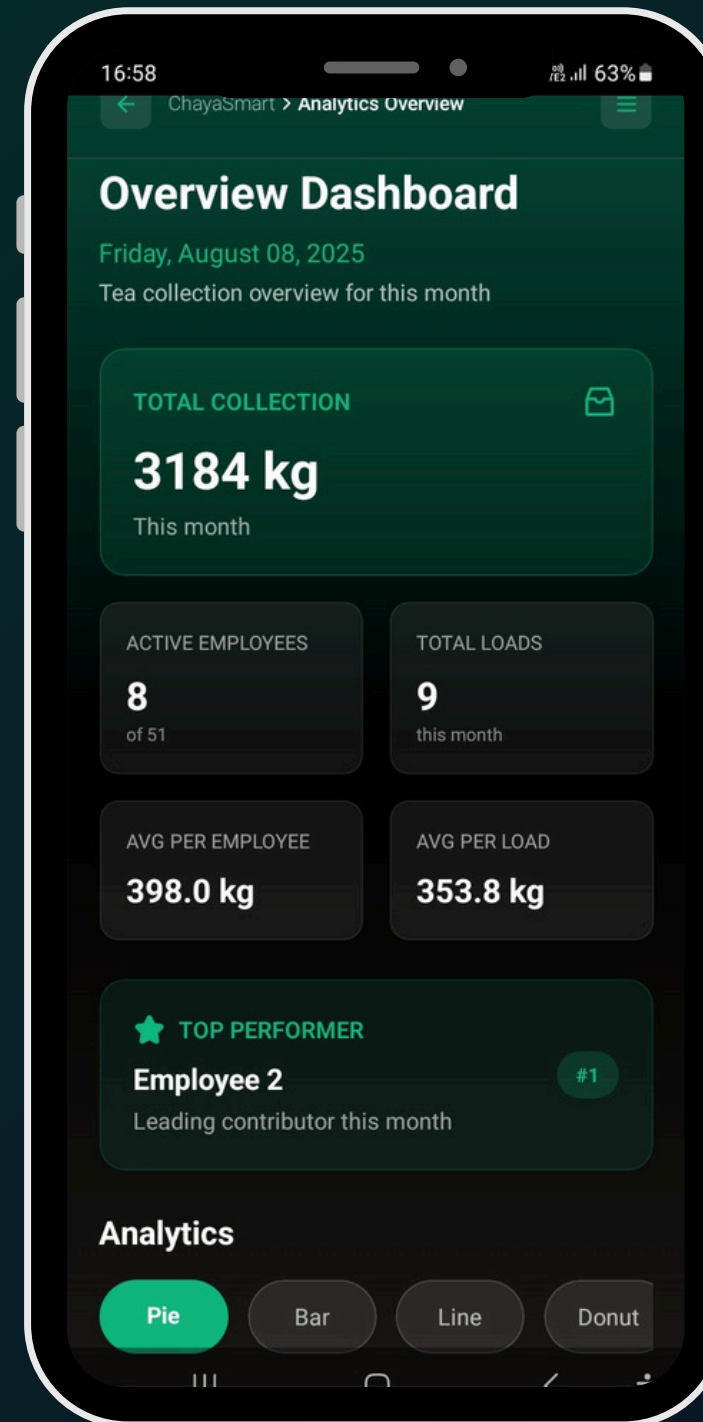
Lack of Real-Time Access: Stakeholders and supervisors cannot view up-to-date tea delivery data unless they are physically present.

04

Difficulty in Monitoring Performance: There's no easy way to view which workers contributed most or least during a specific period.

05

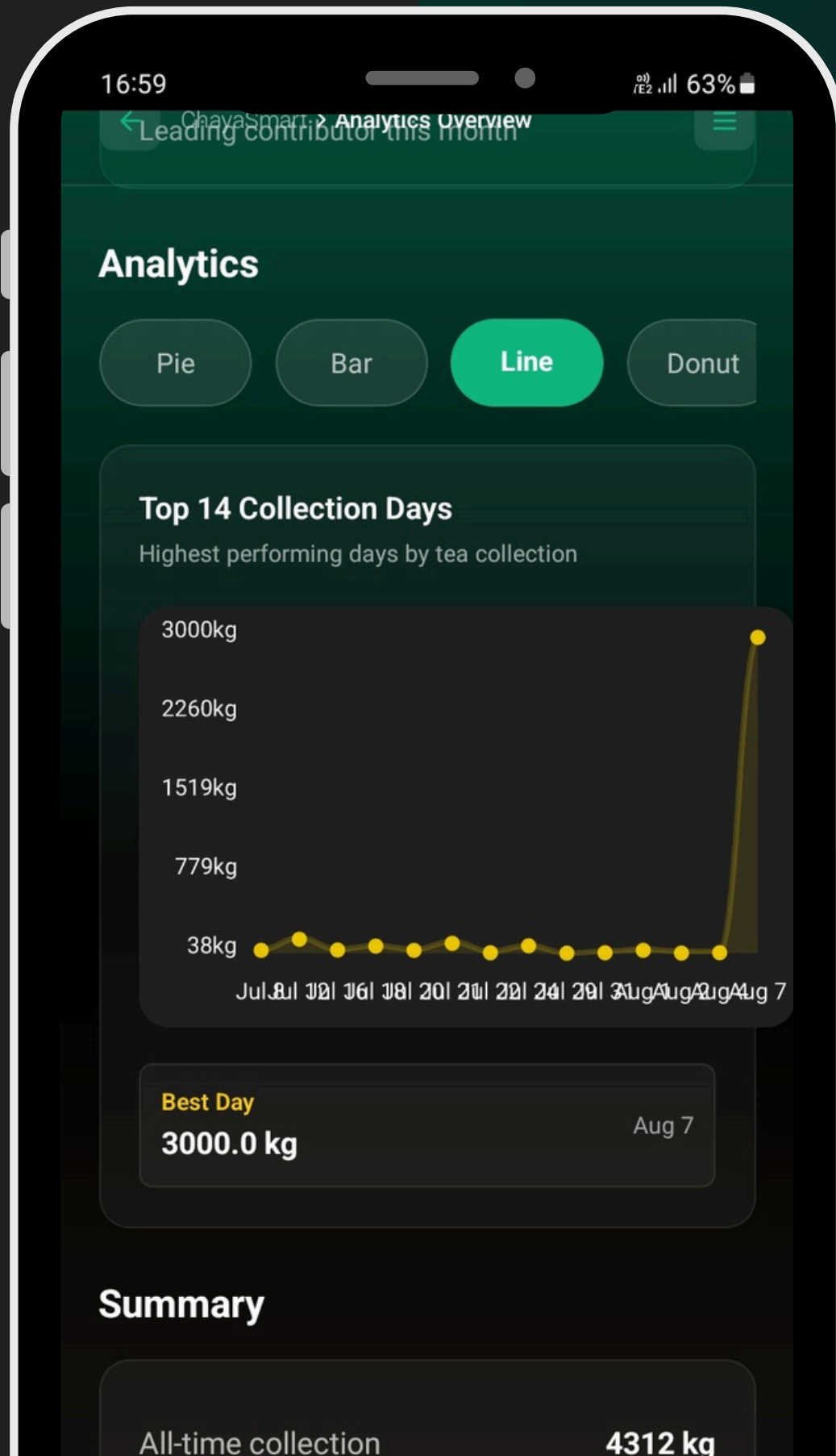
No Integrated Reporting: Exporting summaries or charts for monthly tea loads is time-consuming and requires manual compilation.



Our Mission

To revolutionize tea collection center operations by delivering a smart, mobile-first platform that ensures accuracy, efficiency, and transparency in tea load and employee management, empowering stakeholders with real-time data and insights.





System Architecture

Frontend (Mobile App)

- Built with React Native and Expo for Android devices.
- Offers a user-friendly interface to:
- Add/view employees
- Log tea load weights
- View statistics and charts
- Manage profiles and perform secure login

Authentication Service (Firebase Auth)

Handles:

- User registration and login via email/password
- Password reset via email
- Session management

Ensures only authorized admins access sensitive operations.

Backend Database (Supabase)

- Provides cloud-hosted PostgreSQL database with REST APIs.

Stores:

- employees table (name, NIC, address, mobile)
- tea_loads table (NIC, weight, date)
- Enables real-time updates and filtering for reports.

Data Flow

- Admin logs in → Firebase verifies user → App fetches employee and tea load data via Supabase.
- All updates (add/edit/load) are pushed to Supabase and immediately reflected in the UI.
- Dashboard analytics are calculated client-side based on data from Supabase.



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UI Design

Login

The login screen features a background image of a woman in a traditional conical hat holding tea leaves. The ChayaSmart PLUS logo is at the top. Below it, the text 'Welcome back' is displayed. There are two input fields: one for the email address (containing 'test01@gmail.com') and one for the password (masked with dots). A 'Remember me' checkbox is located below the password field. A 'Forgot password?' link is positioned to the right of the password field. A large, rounded 'Log In' button is centered below the inputs. At the bottom, there is an 'OR' separator and a 'Create account' button.

Password reset

The password reset screen has a dark background with the ChayaSmart PLUS logo at the top. It says 'Welcome back' and 'Reset Password'. Below this, it prompts the user to 'Enter your email address and we'll send you a reset link.' There is an 'Email address' input field. Below the input field are two buttons: 'Cancel' and 'Send Link'. A 'Log In' button is located below these. At the bottom, there is an 'OR' separator and a 'Create account' button.

Signup

The signup screen features a background image of a woman in a traditional conical hat. The text 'Create Account' is at the top, with 'JOIN THE FUTURE' below it. There are four input fields: 'Full name', 'National ID (NIC)', 'Mobile number (07XXXXXXXX)', and 'Email address'. Below these are two more input fields: 'Password (min. 6 characters)' and 'Confirm password'. A section for 'Password requirements' lists: 'At least 6 characters long', 'Use a mix of letters, numbers, and symbols', and 'Avoid common passwords'. Below this is a checkbox for 'By creating an account, you agree to our Terms of Service and Privacy Policy'. A large, rounded 'Create Account' button is centered below the inputs. At the bottom, there is an 'OR' separator and a 'Log In' button.

Signup

The signup screen features a background image of a woman in a traditional conical hat. The text 'Create Account' is at the top, with 'JOIN THE FUTURE' below it. There are four input fields: 'National ID (NIC)', 'Mobile number (07XXXXXXXX)', 'Email address', and 'Password (min. 6 characters)'. Below these are two more input fields: 'Confirm password' and 'Password requirements'. A section for 'Password requirements' lists: 'At least 6 characters long', 'Use a mix of letters, numbers, and symbols', and 'Avoid common passwords'. Below this is a checkbox for 'By creating an account, you agree to our Terms of Service and Privacy Policy'. A large, rounded 'Create Account' button is centered below the inputs. At the bottom, there is an 'OR' separator and a 'Log In' button.

Dashboard

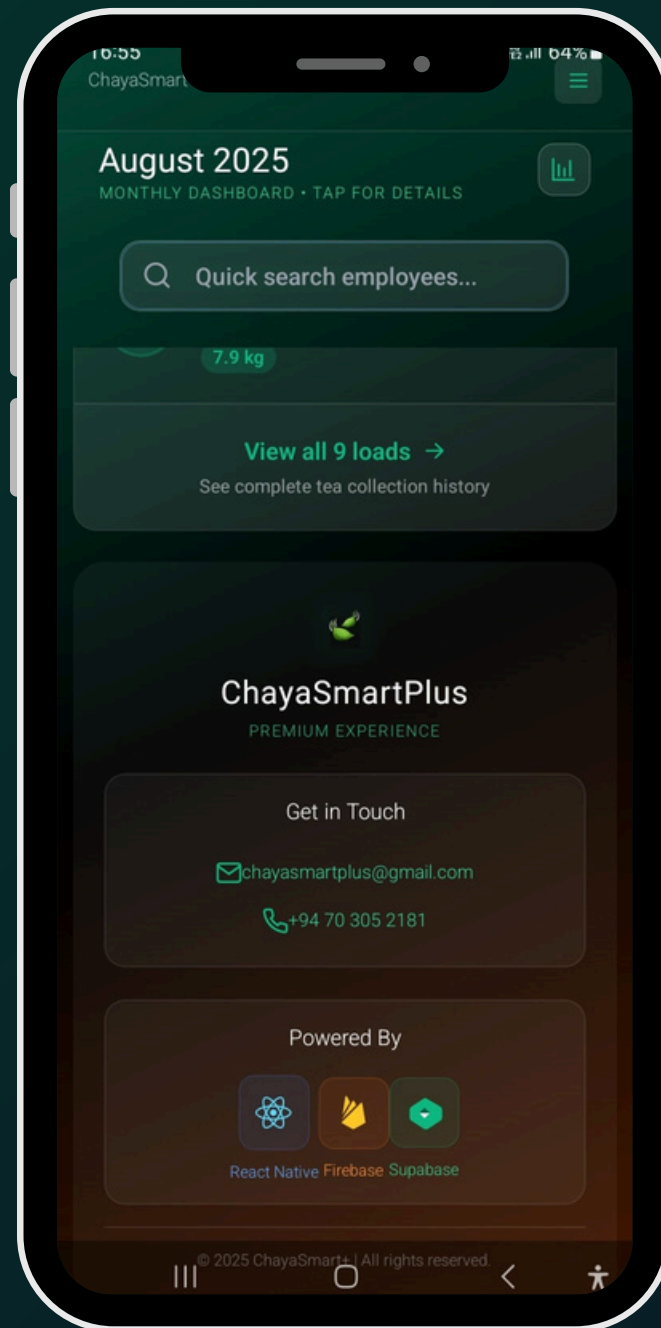
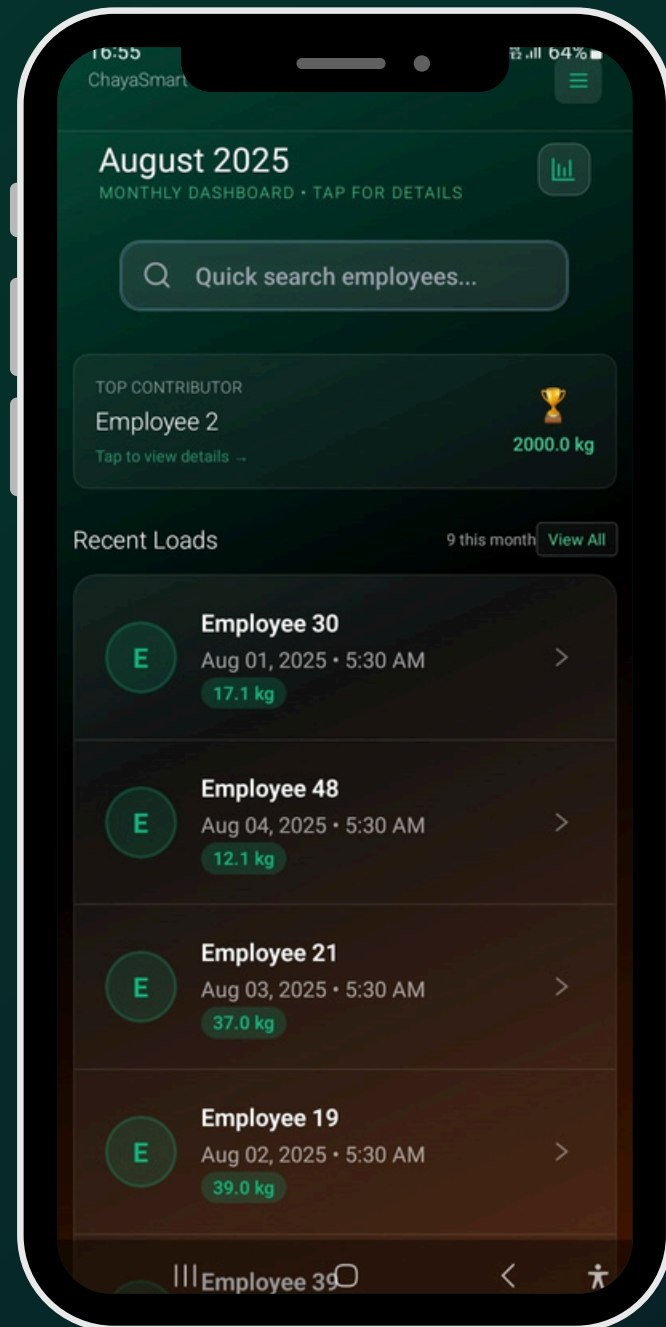
The dashboard screen features a background image of a woman in a traditional conical hat. At the top, it shows 'August 2025' and 'MONTHLY DASHBOARD • TAP FOR DETAILS'. Below this is a search bar with the text 'Quick search employees...'. A large section titled 'THIS MONTH'S COLLECTION' shows a total of '3184.3 kg'. Below this are three statistics: '8 ACTIVE', '398.0 AVG/PERSON', and '51 TOTAL'. A 'Quick Actions' section contains four buttons: 'Add Load (Record tea collection)', 'Add Employee (Register employee)', 'All Profiles (View all employees)', and 'Analytics (Detailed overview)'. At the bottom, there is a 'TOP CONTRIBUTOR' section showing 'Employee 2' with a '2000.0 kg' total.



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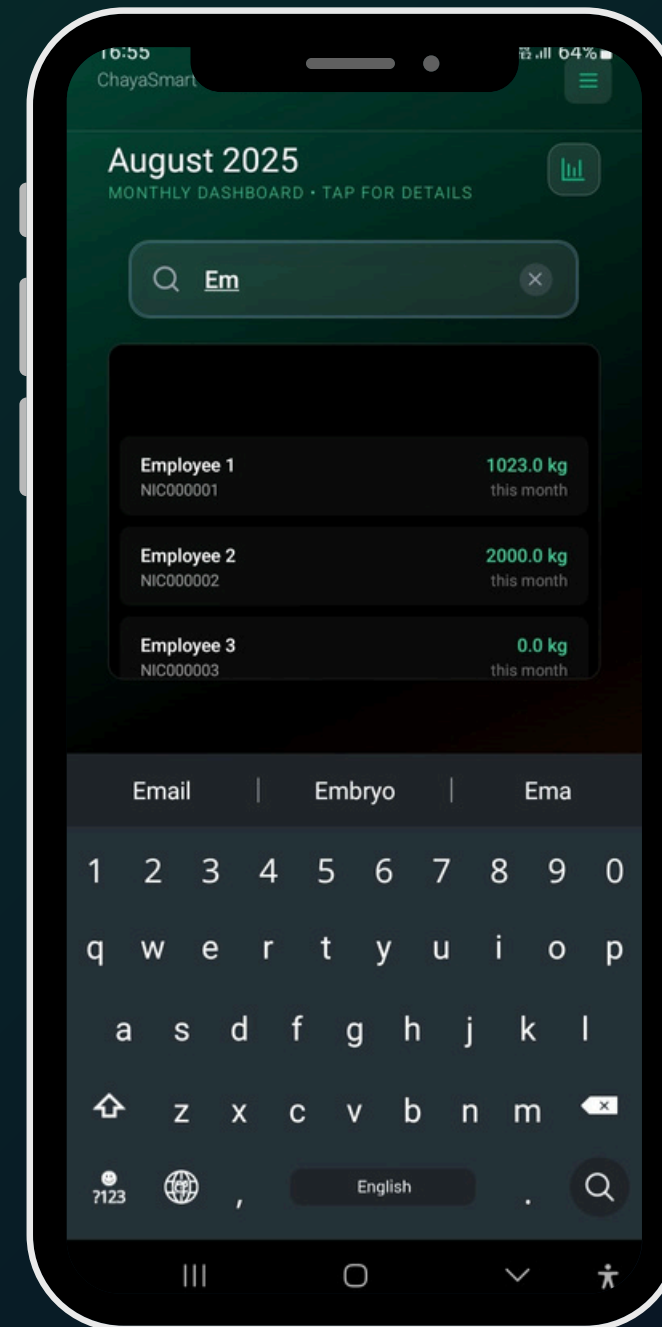
UI Design

Dashboard

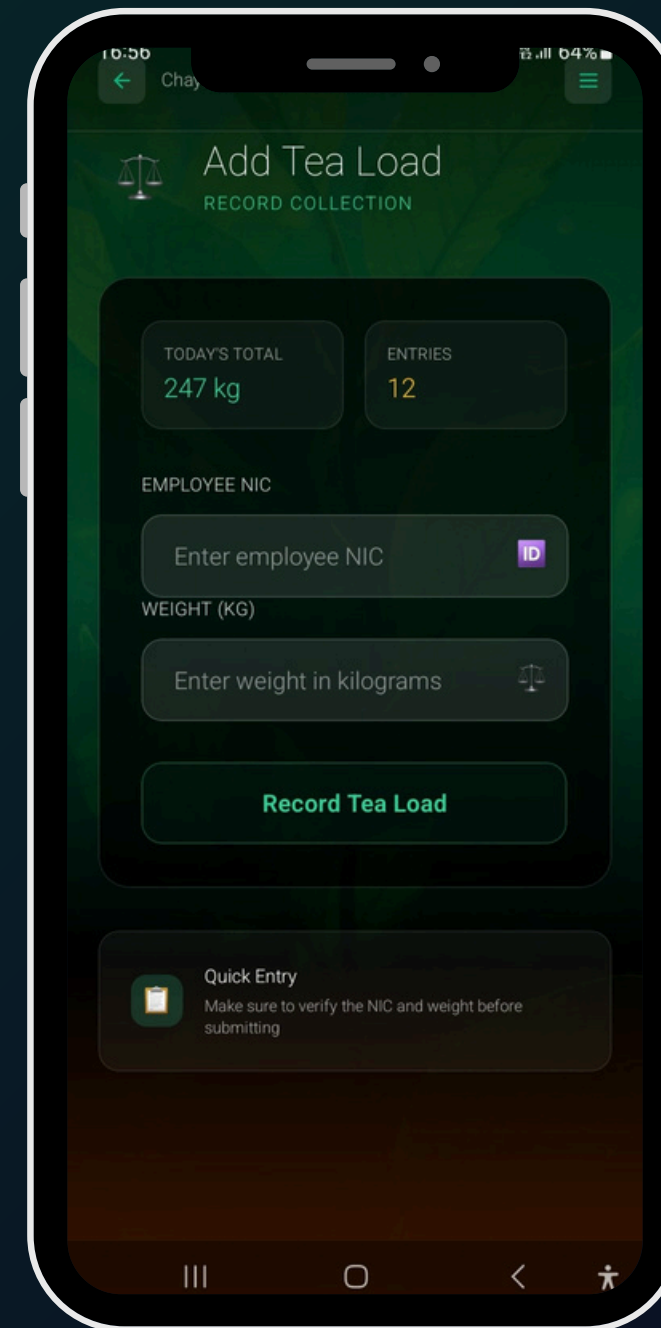


Footer

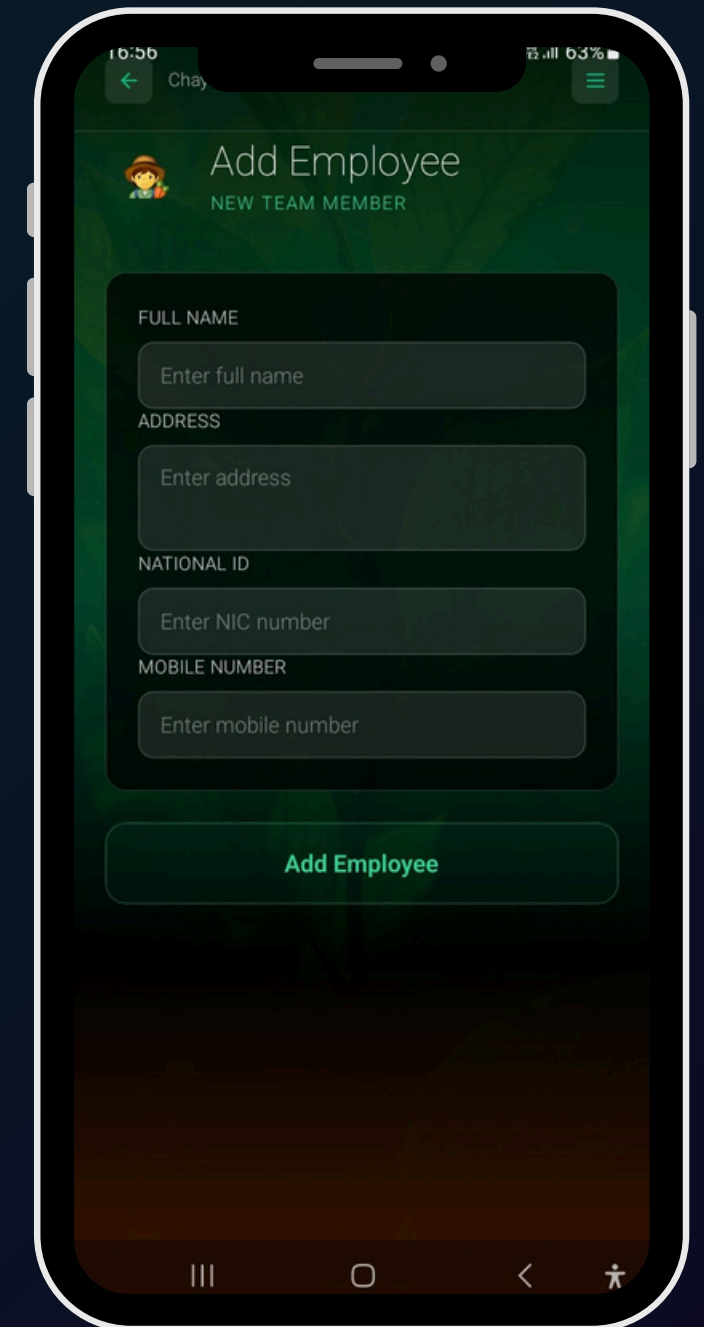
Searchbar



Add Load



Add Employee

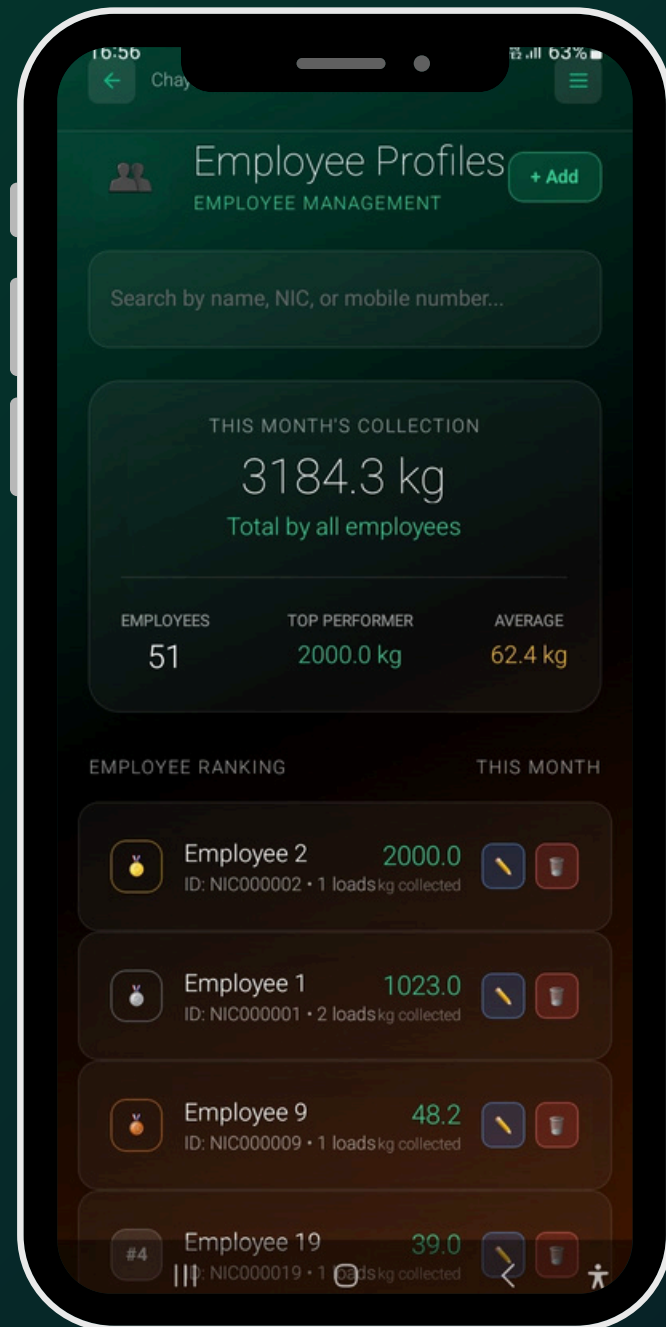




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UI Design

Employees



Edit Details

Edit Employee

NIC (Cannot be changed)

NIC000002

Full Name *

Employee 2

Mobile *

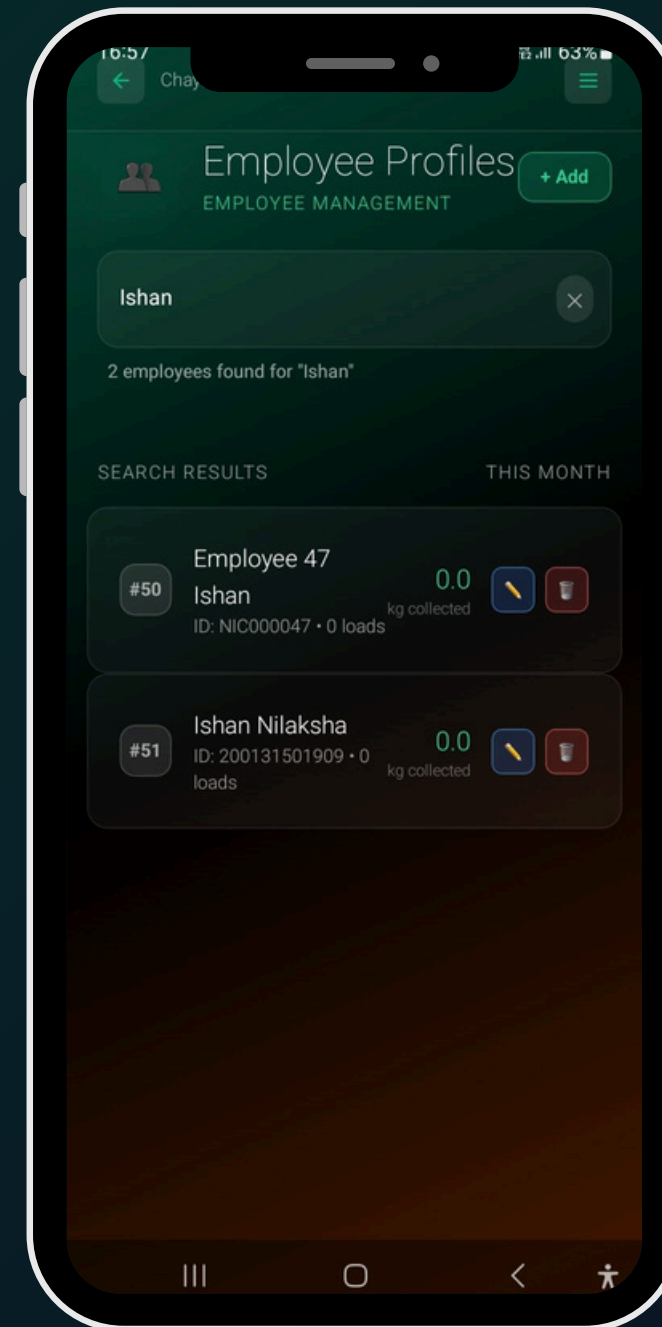
0770251820

Address

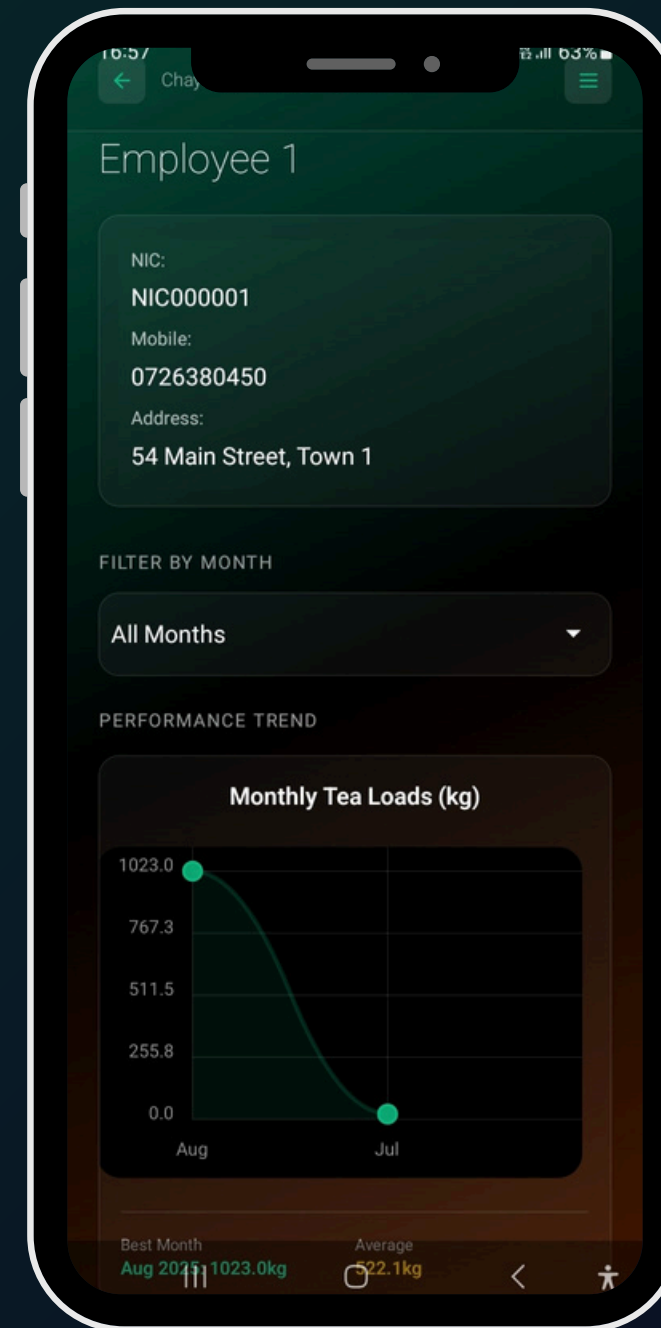
81 Main Street, Town 2

Cancel Update

Filtering



Employee Profile



Employee Profile





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UI Design

Report Generator

Mobile: 0726380450
Address: 54 Main Street, Town 1

FILTER BY MONTH

Aug 2025

PDF Generated Successfully
Statement for Aug 2025 has been generated.

SHARE VIEW OK

TEA LOAD HISTORY

Aug 2025 Total: 1023.0 kg PDF

2 loads

Thu, Aug 7, 2025 1000.0 kg

Mon, Aug 4, 2025 23.0 kg

Filter

Mobile: 0726380450
Address: 54 Main Street, Town 1

FILTER BY MONTH

Aug 2025

Export PDF Statement

Aug 2025 Summary
1023.0 kg
2 loads this month

TEA LOAD HISTORY

Aug 2025 Total: 1023.0 kg PDF

2 loads

Thu, Aug 7, 2025 1000.0 kg

Mon, Aug 4, 2025 23.0 kg

Report

Save as PDF
Copies: 01 Paper size: Letter

PDF

Tea Estate Management System
Monthly Tea Load Statement
Aug 2025

Employee Name: Employee 1
Mobile Number: 0726380450
NIC Number: NIC000001
Address: 54 Main Street, Town 1

1023.0 Total Weight (kg)
2 Total Loads
511.5 Average per Load (kg)

Daily Tea Load Details

| S.No | Date | Weight (kg) |
|------|-------------|-------------|
| 1 | Aug 4, 2025 | 23.0 kg |
| 2 | Aug 7, 2025 | 1000.0 kg |

Generated on: 8/8/2025
Tea Estate Management System
This is a computer-generated document

1/1

Overview

Overview Dashboard
Friday, August 08, 2025
Tea collection overview for this month

TOTAL COLLECTION
3184 kg
This month

ACTIVE EMPLOYEES
8 of 51

TOTAL LOADS
9 this month

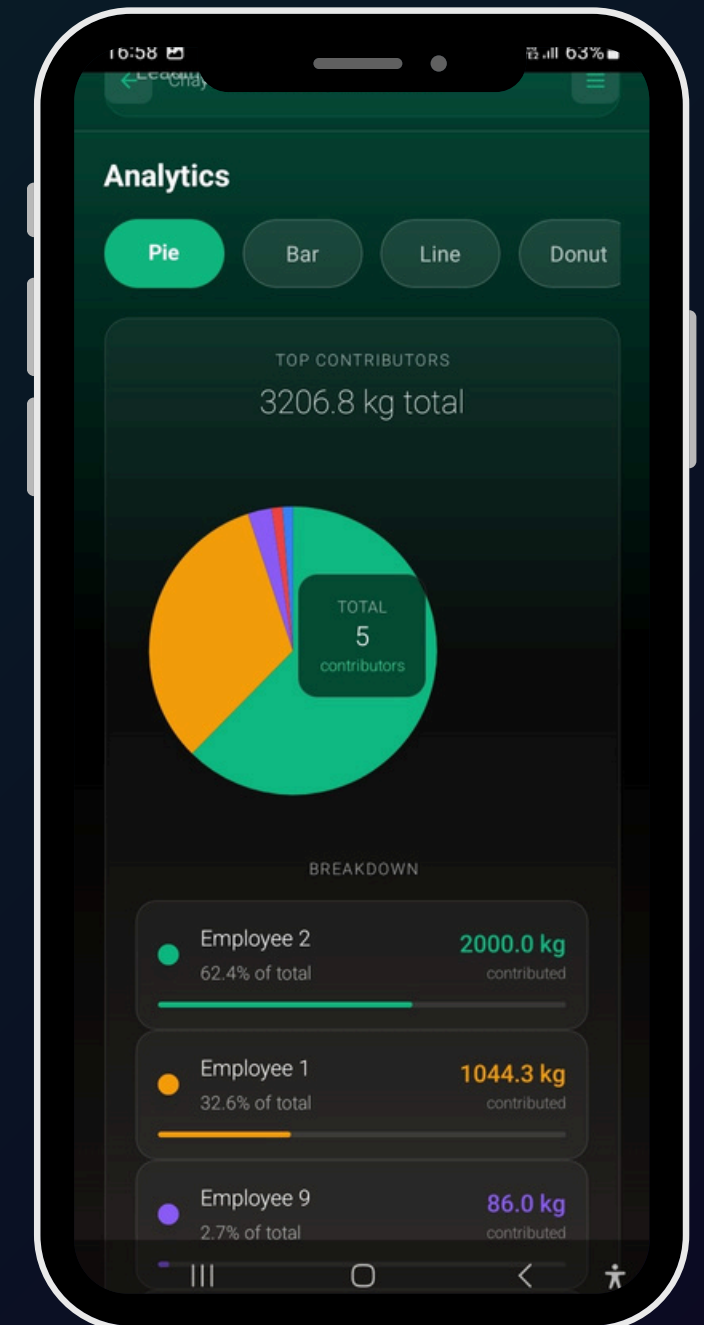
AVG PER EMPLOYEE
398.0 kg

AVG PER LOAD
353.8 kg

TOP PERFORMER
Employee 2
Leading contributor this month

Analytics
Pie Bar Line Donut

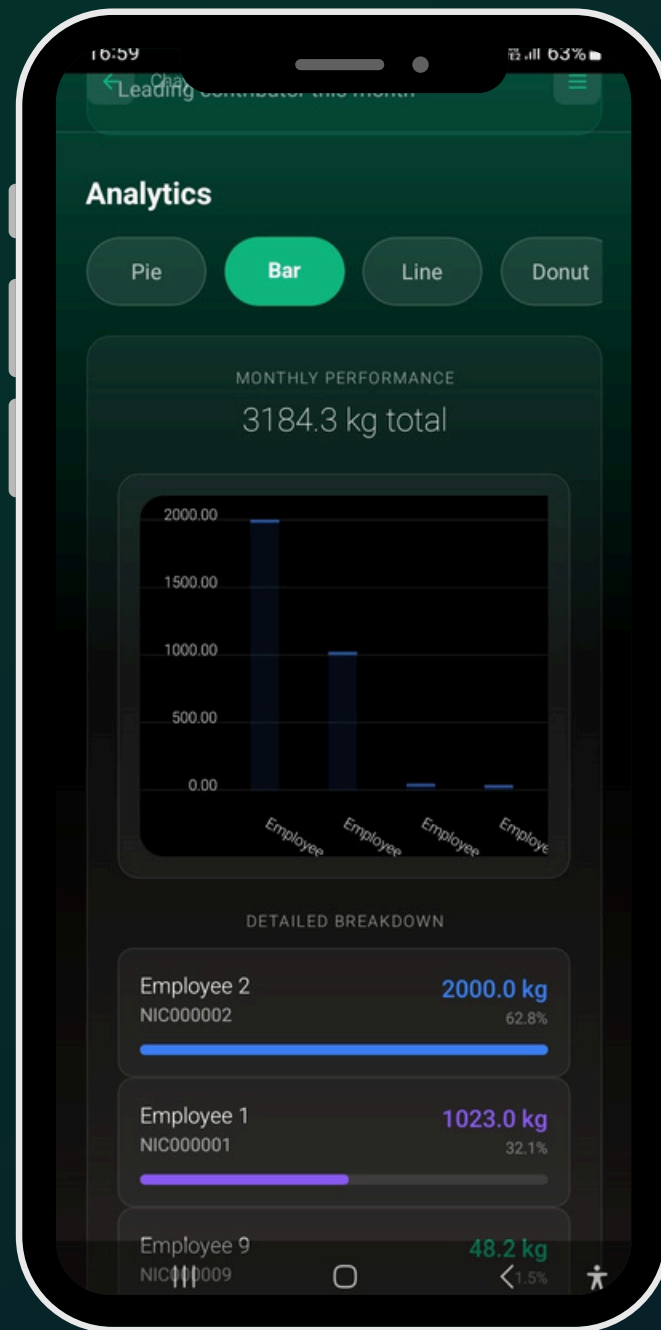
Pie Chart



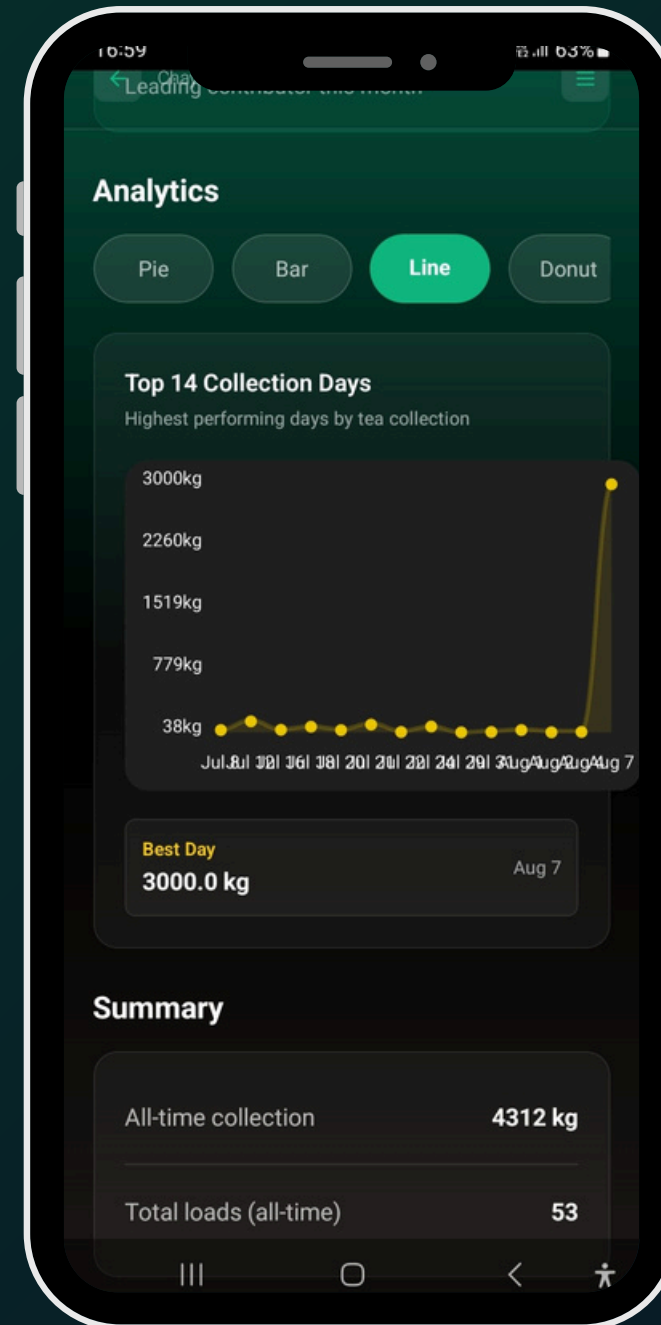


UI Design

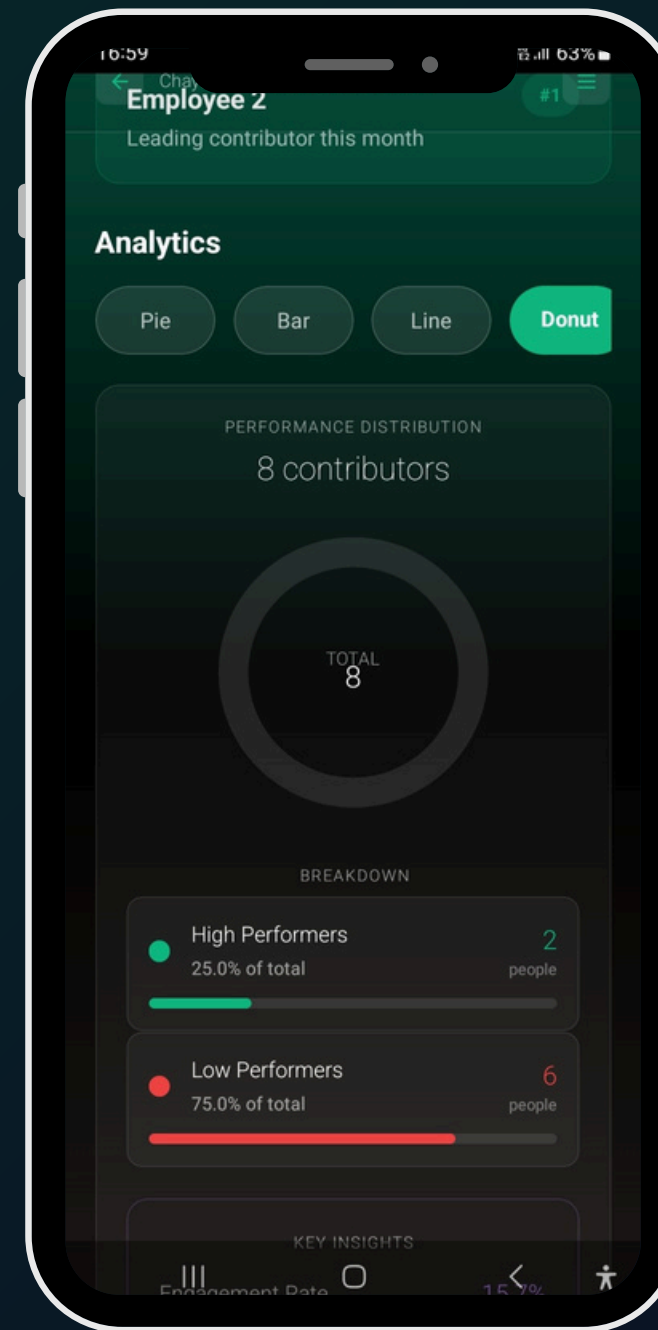
Bar Chart



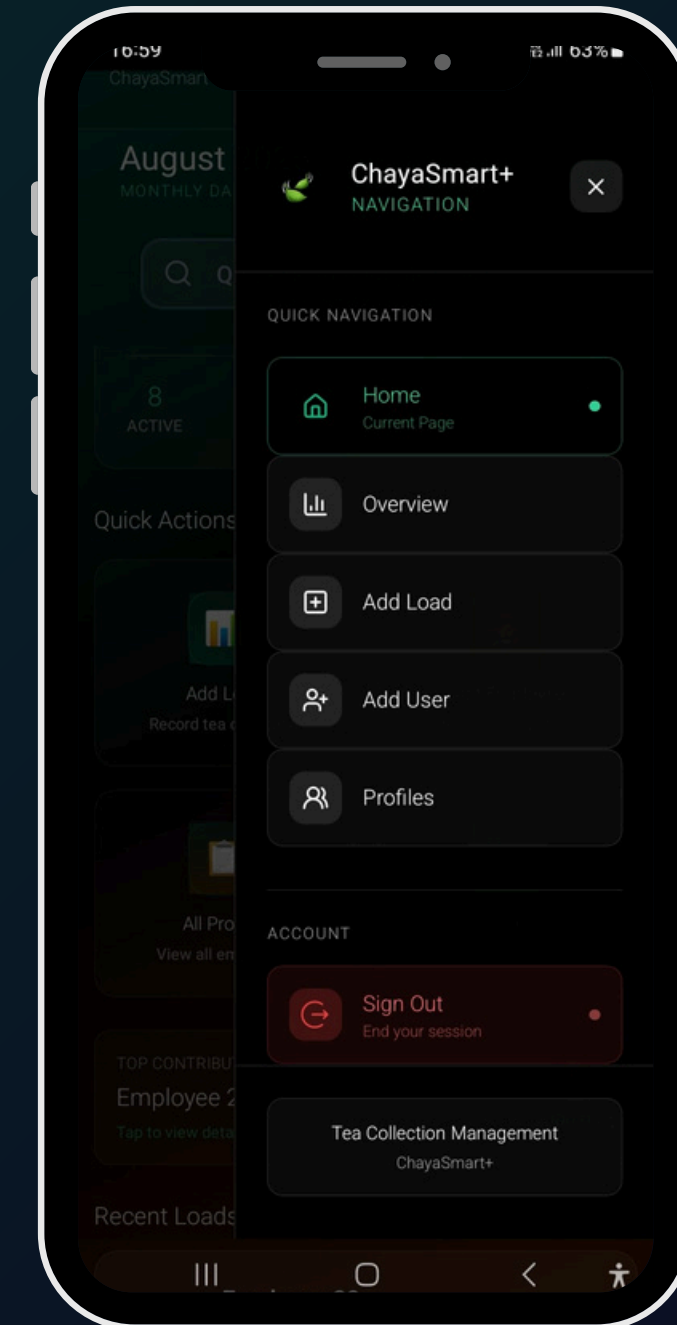
Line Chart



Donut Chart

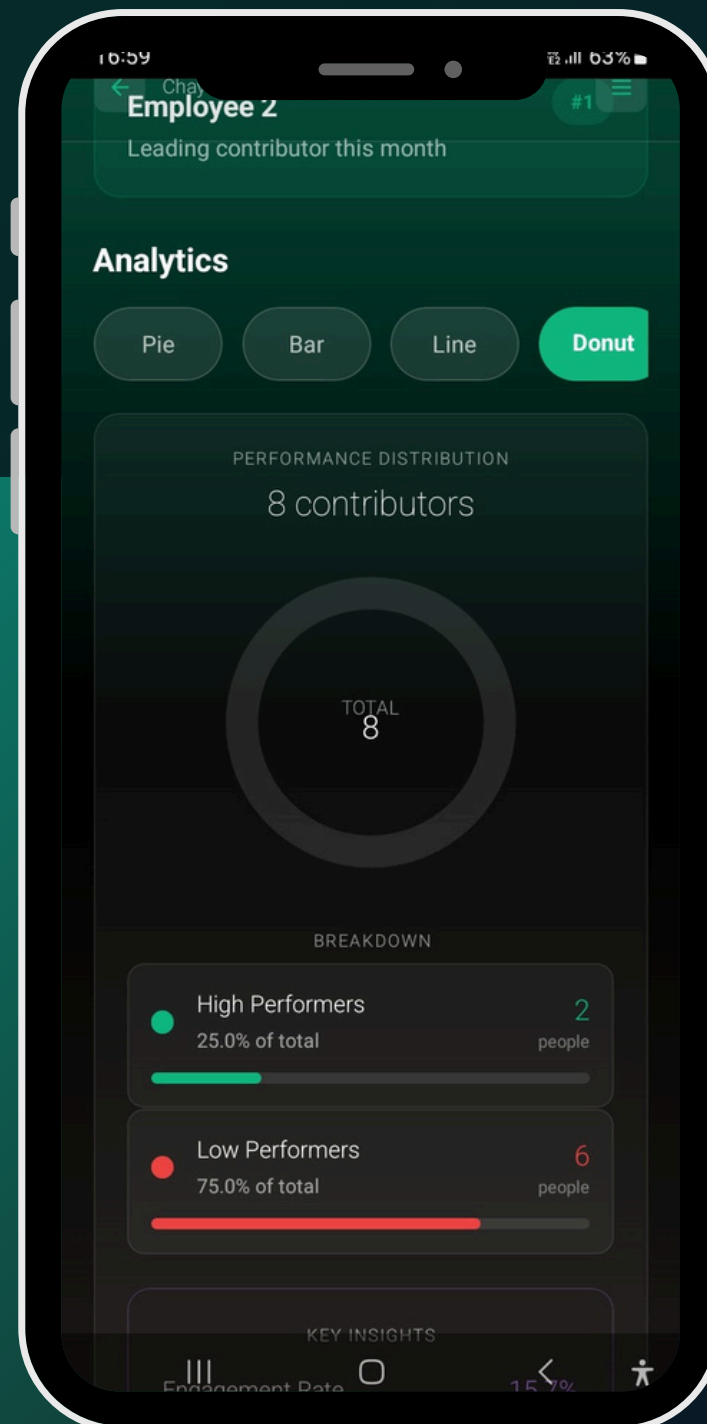
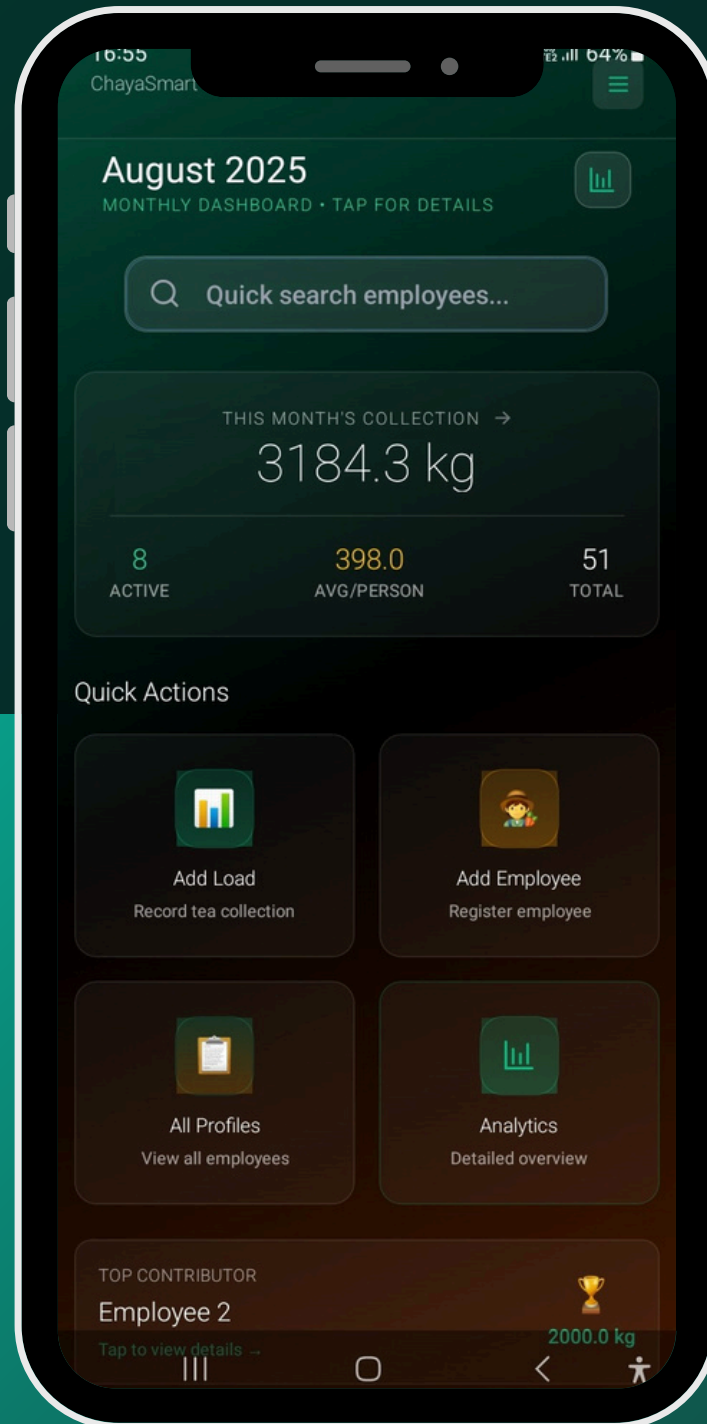
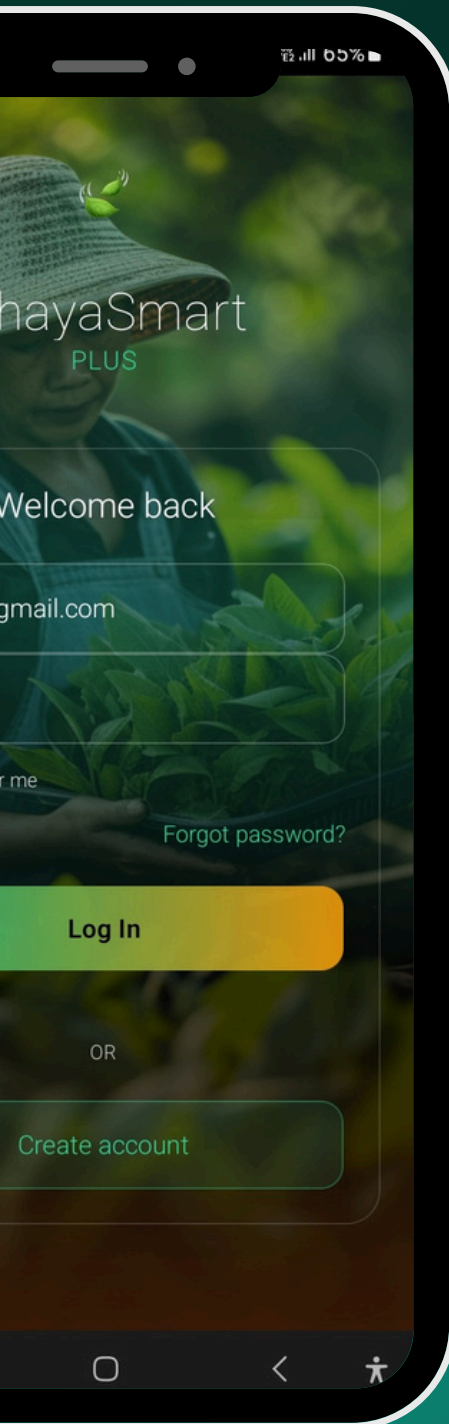


Nav Bar





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Technologies

supabase

Expo

TS



Firebase



Tailwind CSS