



ABSTRACT

This document contains a brief description of the MOBILE APPLICATIONS developed by the Company.

Khushru F. Doctor

MOBILE APPLICATIONS DEVELOPED BY TAASHATECH INFOSOLUTIONS PVT. LTD.

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1. SVEP - Start-Up Village Enterprise Program App [Live]

• Introduction

SVEP is an android application developed for implementing the **Startup Village Entrepreneurship Program under National Rural Livelihoods Mission [NRLM]**. The application is available in multiple vernacular languages and has been used in 19 states of India for the last two years.

• Objective

This mobile application aims to replace the program's paperwork with a digital platform and help people in different states of India in implementing the SVEP government program.

• Technology

- Mobile Application: Android, SQLite Database, GPS Data Capture
- Web Application: Java, Angular JS, Spring, PostgreSQL
- Security: Spring Security, Token Authorization, Encryption-Decryption Algorithms

• Duration

- MAY 2017 - FEB 2022
- We were working on this project for development starting from **May 2017** and after the web and mobile applications were developed, we were involved in doing maintenance of the project. We handed over this project to the Government of India in **Feb 2022**.
- This **project is successfully being used** in more than **10000 villages of 19 states of India at present**.

• Description

- The system's work is divided into two parts, Web application, and Mobile Application. The Mobile Application collects data at the field level and sends them to the server for further processing.
- The mobile application is available in 5 vernacular languages: - English, Hindi, Gujarati, Tamil, Telugu. Users can select their preferred language when logging in to the SVEP application. Also, the app can support other languages dynamically in the future as per the requirement.
- The mobile application fully works in an offline mode as it is meant to be used in rural areas where there is a lack of internet connectivity. Users can do all the operations in the app without connecting to the internet. All the data entered by the user are stored in the local database of the mobile. Whenever a user is in the internet connection zone, s/he can do data sync by pressing a button for 'sync' given in the mobile application.

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- A synchronized sync process is implemented in the SVEP app for sending and downloading data to and from the server. All the possible checks are made to avoid any data loss in the system.
 - Different kinds of surveys are done using this mobile application. The survey data generates various reports for a particular block, including finding the Demand Gap Supply for the block.
 - The web application has more than 50 dynamic drill-down data reports giving the status of work being done in various states of India.
 - The mobile application is designed in a simple and easy-to-understand format as it will be used by the ground-level staff of the SVEP Program. Also, users can choose their regional language for using the application.
 - Various algorithms and formulas are used in the application for calculating the Profit & Loss, Balance Sheet, Means of Finance, and other financial reports. The application is made for handling a large amount of data load in the system.
 - Enterprise's performance tracking is done from the mobile application, and various financial reports for the enterprise are also shown in the application.
 - The mobile application uses GPS data to store the user's real-time location. With each data operation, the latitude and longitude value is stored in the system then used to show the location on the web application.
 - The system is secured using the implementation of encryption-decryption for sensitive information of users and token authorization at login time to prevent unwanted access to the system.
- **Application Link**
 - https://play.google.com/store/apps/details?id=com.taasha.demo_new

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• Screenshot

Please Select Language



English

Hindi

Tamil

Telugu

Gujarati

☰ முகப்பு 8 diva

இணைய வசதி இருக்கின்றது

தேவையற்ற இணைய வேகம்: 2.5 Mbps

தற்போதைய இணைய வேகம்: 10+ Mbps

11 GB மொத்த இடம் 7 GB பயன்படுத்தும் இடம் 4 GB மீதம் உள்ள இடம்

1.0.0.25 பிளே ஸ்டோர் பதிப்பு 1.0.0.25 நிறுவப்பட்டுள்ள பதிப்பு

CRP-EP பணி குறிப்பு

பணி	ஒருங்கிணைப்பு செய்யப்...	உள்...
தொழில் மு...	50	0
வணிகத்தி...	41	0
தொழில் ப...	8	0
தொழில் வி...	22	0
வகைப்படு...	0	0
ஸ்டீடு நுகர்...	66	0

← परिवार के खर्च संबंधित माहिती

Demo One[मौजूदा] ANANDPUR

[शून्य दर्ज करें अगर खर्च नहीं के बराबर है]

भोजन
वार्षिक खर्च (₹) मासिक खर्च (₹)

शिक्षा
वार्षिक खर्च (₹) मासिक खर्च (₹)

स्वास्थ्य
वार्षिक खर्च (₹) मासिक खर्च (₹)

वस्त्र
वार्षिक खर्च (₹) मासिक खर्च (₹)

← કિટુંબિક ખર્ચ વિગતો

Saif Ali Khan[વર્તમાન]

તમારા કુલ વાર્ષિક ખર્ચ આ છે:36₹

[ખર્ચ શૂન્ય દાખલ કરો]

આહાર
વાર્ષિક ખર્ચ (₹) માસિક ખર્ચ (₹)

શિક્ષણ
વાર્ષિક ખર્ચ (₹) માસિક ખર્ચ (₹)

આરોગ્ય
વાર્ષિક ખર્ચ (₹) માસિક ખર્ચ (₹)

કપડાં

← परिवार के खर्च संबंधित माहिती

Demo One[मौजूदा] ANANDPUR

[शून्य दर्ज करें अगर खर्च नहीं के बराबर है]

भोजन
वार्षिक खर्च (₹) मासिक खर्च (₹)

शिक्षा
वार्षिक खर्च (₹) मासिक खर्च (₹)

स्वास्थ्य
वार्षिक खर्च (₹) मासिक खर्च (₹)

वस्त्र
वार्षिक खर्च (₹) मासिक खर्च (₹)

← కుటుంబ ఖర్చుల వివరాలు

Saif Ali Khan[ప్రస్తుతం]

మీ మొత్తం వార్షిక వ్యయం:36₹

[ఖర్చు సున్నా ఉంటే దయచేసి సున్నా ఎంటర్ చేయండి]

ఆహారము
వార్షిక ఖర్చులు నెలవారీ ఖర్చులు

విద్య
వార్షిక ఖర్చులు నెలవారీ ఖర్చులు

ఆరోగ్యము
వార్షిక ఖర్చులు నెలవారీ ఖర్చులు

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INFOSOLUTIONS PVT. LTD.

←

Business Plan

heer G Divan

KHAROD

1

2

3

4

EXPENDITURE (YEARLY)

3.0 Pre-operative and Preliminary Expenditure

Market Survey Exp.

Amount (₹)

Stationery Exp.

Amount (₹)

Legal Exp.

Amount (₹)

Establishment Exp.

Amount (₹)

Other

Amount (₹)

Save

3.1 Land and Building Exp.



Loan Management



Enterprise Name : 20 Existig Ent

Entrepreneur Name : 20 Existing

Loan Amount (₹) : 0

Disbursement Plan

Loan Repayment S...

Enterprise Name : P ent

Entrepreneur Name : Pavan G Variyani

Loan Amount (₹) : 0

Disbursement Plan

Loan Repayment S...

Enterprise Name : Rita

Entrepreneur Name : Dgjl Fhi

Loan Amount (₹) : 3690

Disbursement Plan

Loan Repayment S...

2. TRIF (Transform Rural India Foundation) - CMRE [Centre for Mass Rural Entrepreneurship] (Live)

● Introduction

The CMRE mobile application is developed for **Transform Rural India Foundation [TRIF] - An Initiative of TATA Trust** for supporting the rural entrepreneurs in setting up their enterprises. The application has been Live on the play store for the last 2 years.

● Objective

- The goal of this application is to enroll entrepreneurs and enterprises in the system and provide them guidance and support for running their enterprises.
- This application is specially developed for working in rural areas of India.

● Technology

- Mobile Application: Android, SQLite Database, GPS Data Capture
- Web Application: Java, Angular JS, Spring, PostgreSQL, Spring Security
- Integration with Mettl Online Skill Assessment Platform

● Duration

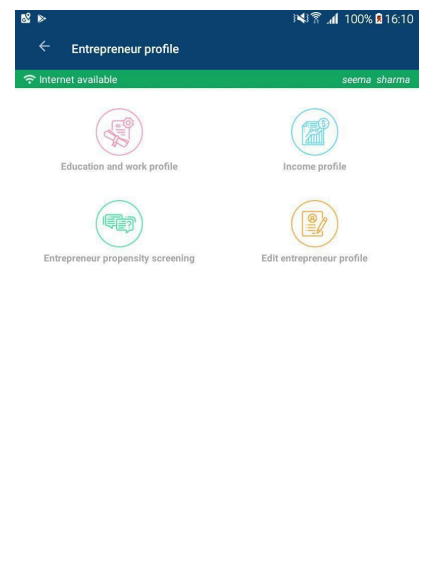
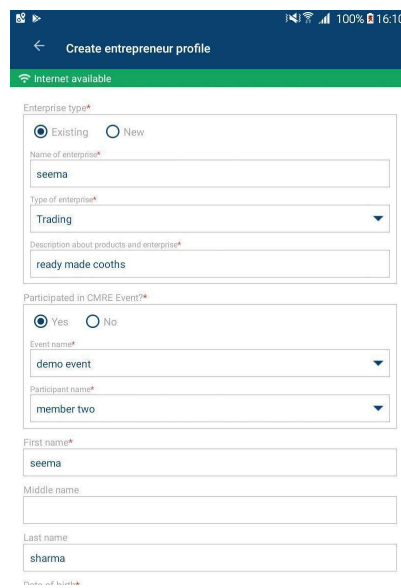
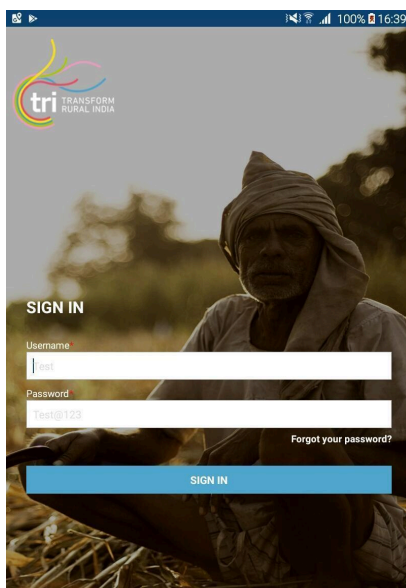
- **Development:** JUNE 2019 - JUNE 2021
- **Maintenance & Support:** JULY 2021 - JULY 2023

● Description

- The work of the system is divided into two parts: web application and mobile application. The web application is used for viewing the data and for performing the approval process for entrepreneurs.
- The Mobile application fully works in offline mode and all the operations can be performed without a connection to the internet. The data is stored in the local database of mobile and when the user wants s/he can sync data to the server.
- Users register the enterprises in the system and provide them with sufficient support for the growth of their enterprise. There are various financial details that are to be entered into the mobile application on a monthly basis.
- Users enter various details related to events in TRIF, entrepreneurs' details, and their financial plans in the mobile application. The mobile application is capable of handling large amounts of data calculation and operations
- The design of the application is made elegant and simple for making it easy to use for the users.

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- Each entrepreneur registered in the mobile application has to give an online skill assessment test which is done using the Mettl Online Skill Assessment Tool. The CMRE mobile application is capable of registering entrepreneurs on the Mettle platform and conducting the test from the mobile application itself. Mettl is an online platform that provides skill assessments for corporate clients for hiring, training, and development. It is widely used by many corporations and universities internationally.
- **Application Link**
 - <https://play.google.com/store/apps/details?id=com.triapp>
- **Screenshots**



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Internet available seema sharma

1 2 3 4

EXPENDITURE (YEARLY)

3.0 Pre-operative and Preliminary Expenditure

3.1 Land and Building Exp.

3.2 Plant / Machinery / Equipment

3.3 Equipment and Furniture

3.4 Raw Material

3.5 Utilities

3.6 Manpower (Salaries/Wages)

3.7 Administrative Expenses

3.8 Selling And Distribution Expenses

3.9 Working Capital

3.10 TOTAL PROJECT COST

Internet available

donr k m

Enterprise type : New
Name of enterprise : donr ent
Description about products and enterprise : Yby

Submitted

Created date : 11/09/2019

View business plan

Jay Munjani

Enterprise type : New
Name of enterprise : Jay graphics
Description about products and enterprise : Graphics

Submitted

Created date : 11/09/2019

View business plan

Parth Gadani

Enterprise type : New
Name of enterprise : Gadani computer services
Description about products and enterprise : Computer services

Submitted

Created date : 11/09/2019

View business plan

Ketan Lambhiya

Enterprise type : New
Name of enterprise : Ketan's kitchen
Description about products and enterprise : Test products

Submitted

Created date : 11/09/2019

View business plan

Mayur Patel

Enterprise type : Existing
Name of enterprise : Geeta's kitchen
Description about products and enterprise : food products

Submitted

Created date : 10/09/2019

View business plan

Internet available seema sharma

1 2 3 4

4.1 Profitability Projection

A. Total Income

Total Income(Annual)
Amount (₹)
2700000

B. Cost of production(Annual)

Cost Of Goods
Amount (₹)
1350000

Utilities
Amount (₹)
0

Manpower Cost (Salaries/Wages)
Amount (₹)
0

Administrative expenses
Amount (₹)
0

Selling & distribution expenses
Amount (₹)
0

3. Smart Safety Apps (iBus, iRide, iAttendance)

• Introduction

The Smart Safety Apps suite is an integrated digital ecosystem developed for schools, government, and private, in India and the US, as well as Senior Citizen Care Centers in the US. The platform modernizes safety, transport, attendance tracking, and real-time communication by leveraging advanced identity and tracking technologies.

• Objective

The primary objective of this solution is to replace outdated manual, paper-based processes with an automated, real-time, insight-driven ecosystem. The system aims to ensure complete operational transparency, increase safety, improve accountability (100% verified boarding/deboarding), and enhance communication among parents, guardians, and administrators.

• Technology

- Mobile Applications: Flutter (for cross-platform deployment)
- Web Applications: Java, React, HTML, CSS, JavaScript
- Backend: Java Spring Boot, Node.js Microservices
- Cloud & Identity: AWS (including Rekognition for AI-powered Face Recognition), JWT Authentication, Role-based Access Control
- Database: MySQL, PostgreSQL
- Mapping & GPS: Google Maps API (for real-time location streaming)
- Security: Encrypted API communications, Role-based Access Control

• Duration

- Estimated Duration: JAN 2021 – Ongoing Maintenance

• Description

The system is a fully modular and scalable enterprise-grade suite consisting of three core components:

- **iBus:** A Smart School Bus Transport Management System providing real-time GPS tracking, automated routing, and multi-layer identity verification (QR/Rfid/Face Recognition) to send live notifications to parents (boarded, deboarded, delays).
- **iRide:** A specialized variant of iBus tailored for Senior Citizen Transport Management in US care centers, focusing on resident security and guardian notifications.

- **iAttendance:** A comprehensive attendance management platform utilizing AI-powered Face Recognition (AWS Rekognition), QR codes, and RFID for tamper-proof, real-time logging for students, staff, and teachers.

The entire suite provides web and mobile access, leveraging real-time synchronization between field apps and centralized dashboards. The system is designed for high scalability, supporting thousands of trips and attendance logs daily, resulting in a 90% reduction in manual transport tasks and increased stakeholder satisfaction.

4. SUMUL - Mahila Bachat App [Live]

● Introduction

SUMUL or The Surat District Co-operative Milk Producers' Union Ltd, is one of the 18 district unions which act as manufacturing units of dairy products for **Gujarat Cooperative Milk Marketing Federation Limited**, the marketers of the AMUL brand of products. It is a part of one of the largest Dairy Cooperatives in the world

● Objective

- This application mainly aims to collect money from women members of the SUMUL cooperative which they have saved from their income in village areas.
- **It is capable of generating vernacular multi-language [English, Gujarati, Tamil, Telugu, Kannada] print of data using a Bluetooth printer.**

● Technology

- Android, Java, Angular JS, MySQL

● Duration

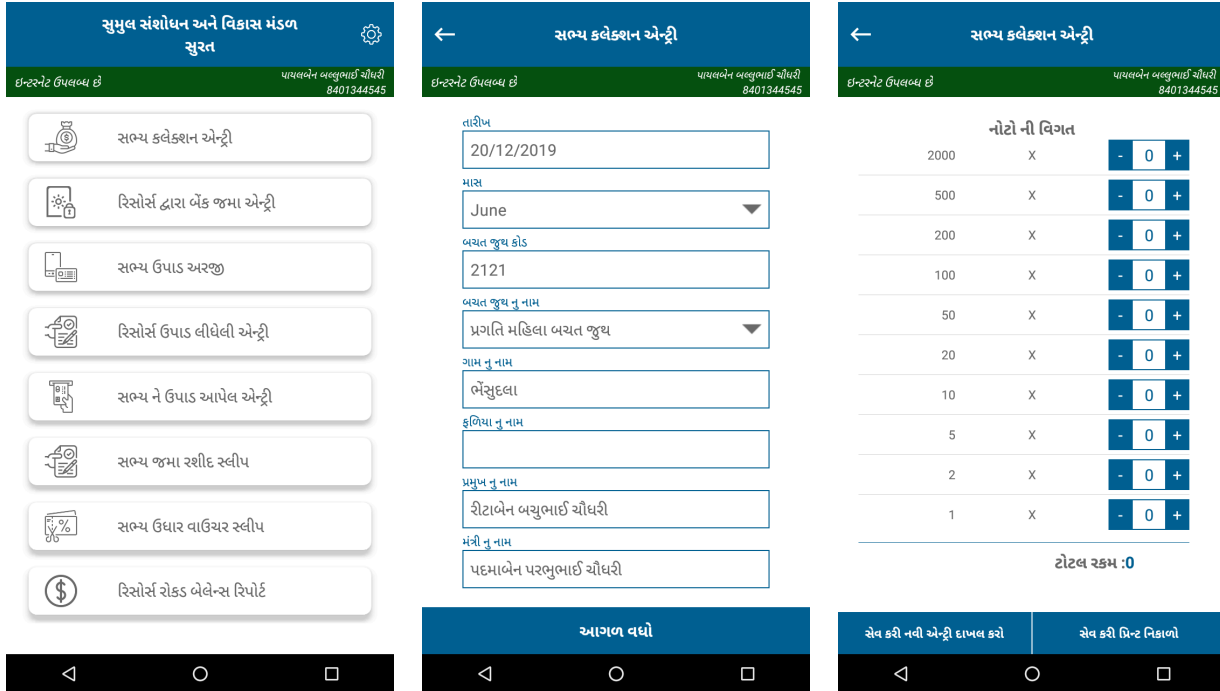
- **Development:** MARCH 2019 - JULY 2019
- **Maintenance & Support:** AUG 2019 - OCT 2019

● Description

- It is a well-known fact that a woman knows how to manage the expenses of the house along with saving money for the future. This app is made for the women in village areas who have saved money from their income and want to deposit it to SUMUL for future use.
- Employees of SUMUL use this application for collecting deposits in their area. The amount for deposit can be from Rs 5 to any amount. There is no minimum restriction for deposits.

- The user gets a list of appointments with the necessary details for collecting the deposit amount. As per the appointment, the User visits the depositor and collects money from her. The user will enter the details into the application. The depositor gets a receipt for the deposited amount.
- The receipt gets printed on a small Bluetooth-enabled printer which the SUMUL employee is carrying.
- Depositors can also request for withdrawing the money from the appointed person. An appointed person will enter the withdrawal request in the application. As any candidate will get the money that she has requested, the details will be entered into the mobile application. The receipt for the deposited amount is generated and is given to the depositor.
- At the end of the day, the appointed person has to submit all the collected money to the head office with the receipt of the collected money.
- This mobile application is capable of generating the receipt for collected money and printing it into multiple languages using a Bluetooth printer.

● Screenshots



- SUMUL app connects to the Bluetooth printer and generates the receipts in different languages.

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Gujarati

સેલ્સ બેલેન્સ રિપોર્ટ

સાથીન :
13/12/2019 થી 19/12/2019
જૂથ કોડ : 2118 થી 2118
રિસોર્સ નામ :
પાણવળ બેલેન્સ રિપોર્ટ
રિસોર્સ કોડ : 4

સાથીન	રિસોર્સ	કલેક્શન એન્ટ્રી
13/12/2019	2000	
સાથીન	કલેક્શન એન્ટ્રી	
13/12/2019	100	
13/12/2019	100	
13/12/2019	111	
13/12/2019	1111	
13/12/2019	11	
16/12/2019	2	
16/12/2019	100	
સાથીન	રિસોર્સ	કલેક્શન એન્ટ્રી
13/12/2019	1200	

અમલી
કલેક્શન રકમ : 1535.0
બેંક ડિપોઝિટ રકમ : 2000.0
કલેક્શન બેલેન્સ : -465.0

કલેક્શન રકમ : 0.0
કલેક્શન બેલેન્સ : 1200.0
કલેક્શન રકમ : 1200.0
કલેક્શન બેલેન્સ : 0.0
કલેક્શન રકમ : 735.0

Kannada

ಭಾರತದೇಶಂ ನಾ ಮಾತೃಭೂಮಿ.
ಭಾರತೀಯುಲಂದರು ನಾ ಸಹೋದರ
ನೇನು ನಾ ದೇಶಾನ್ನಿ ಪ್ರೇಮించುನು
ಸುಸಂಪನ್ಮುನು, ಬಹುವಿಧಮುನು
ದೇಶ ವಾರಸತ್ವ ಸಂಪದ ನಾಕು
ಗರ್ವಕಾರಣಂ. ದಿನಿಕಿ ಅರ್ಥ ಪು
ಸರ್ವದಾ ನೇನು ಕೃಷಿ చేస్తాను. ನ
ತಲ್ಲಿದಂಥಲ್ಲಿ, ಕುಪಾಡ್ಯಯಲ್ಲಿ
ಪೆದ್ದಲಂದರಿನ್ನಿ ಗೌರವಿಸ್ತಾನು.
ಪ್ರತಿವಾರಿತ್ನು ಮರಾದಗಾ
ನಡುಕುಕೊಟಾನು. ನಾ ದೇಶಂಪಟ್ಟ
ಪ್ರಜಲಪಟ್ಟ ಸೆವನಿರತೀತ್ ಕುಟಾ
ಪ್ರತಿಜ್ಞೆ చేస్తున్నಾನು. ವಾರಿ
ತೆಯೊಳಿವುಡುಲೆ ನಾ ಆನಂದಾನಿ
ಮೂಲಂ. ಜೈ ಹಿಂದ್.

Tamil

தாய்நாடு,இந்தியர்கள்
அனைவரும் எனது சகோத
சகோதரிகள். என் நாட்டை
மிகவும் நேசிக்கிறேன், என்
நாட்டின் பழம்பெருமைக்க
பண்முக மரபு சிறப்பிற்கா
நான் பெருமிதம் கொள்கி
என் நாட்டின் பெருமைக்கு
தகுந்து விளங்கிட பெரிது
பாடுபடுவேன். எனது பெற்
ஆசிரியர் மற்றும்
பெரியோர்களை மதித்து
நடந்துகொள்வேன்.
அனைவரிடமும் அன்பும்
மரியாதையும் காட்டுவேன்
நாட்டிற்கும் நாட்டு மக்களு
உழைத்திட பெரிதும் முனை
நிற்பேன். என் மக்கள்
அனைவரும் நலமும் வளமு
பெருவதிலேதான் நான் ம

English

Index is less
Balance Report

Date : 13/12/2019 To
19/12/2019
Jioth code : 2118 To 2118
Resource name : પાણવળ
Resource code : 4

Date	Collection entry
13/12/2019	100
13/12/2019	100
13/12/2019	111
13/12/2019	1111
13/12/2019	11
16/12/2019	2
16/12/2019	100

Summary
Collection Amount : 1535.0
Bank deposit Amount : 0.0
Collection balance : 1535.0

Advance request : 0.0
Resource advance : 0.0
Member advance : 0.0

Advance balance : 0.0
Total balance : 1535.0

સેલ્સ બેલેન્સ રિપોર્ટ

5. AMUL – Artificial Insemination App [Live]

● Introduction

Gujarat Cooperative Milk Marketing Federation Ltd. (GCMMF), is India's largest food product marketing organization with an annual turnover (2018-19) of **US\$ 4.8 billion**. Its daily milk procurement is approx. 23 million lit per day from 18700 village milk cooperative societies, 18 member unions covering 33 districts, and 3.6 million milk producer members.

It is the apex organization of the Dairy Cooperatives of Gujarat, popularly known as '**AMUL**', which aims to provide remunerative returns to the farmers and also serve the interest of consumers by providing quality products that are good value for money.

● Objective

As a part of its initiatives, it has launched a program to artificially inseminate local cows with sperms from pedigree bulls to improve and maintain the quality of milk-producing cows in the region.

● Technology

- Android, Java, MySQL

● Duration

- **Development:** JULY 2019 - OCT 2019
- **Maintenance & Support:** NOV 2019 - JAN 2020

● Description

- Artificial Insemination is a process of fertility treatment for humans as well as for animals.
- Also used for animal breeding of dairy cattle.
- This mobile application manages data of the Artificial insemination process for bulls and cows.

6. Revealit - Shop what you see

● Objective

- The main objective of this mobile application was to create an Ad-free streaming app in which users can watch the videos and can do in-app purchases.
- We have implemented **Augmented Reality[AR]** in this app to provide a real-world interactive experience to users.

● Technology

- Android, Artificial Intelligence, Augmented Reality

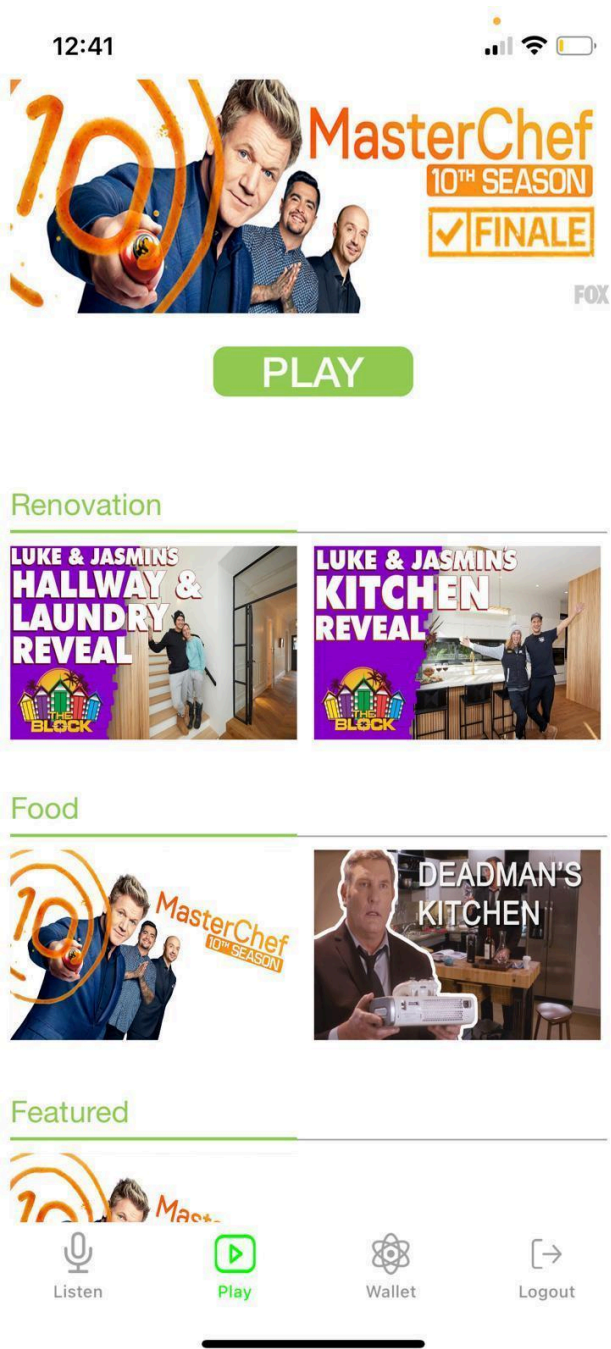
● Duration

- DEC 2021 - PRESENT

● Description

- Revealit is an android mobile application providing Ad-free streaming which allows viewers to shop what they see in the app.
- This is an artificial intelligence and augmented reality mobile application that provides a real-world interactive experience to viewers.
- This Android application is built using the latest material design provided by the Google material package which enriches the user experience, The Google Augmented Reality library allows users to view a selected product in their places using a device built-in Augmented Reality camera lenses.
- Revealit has created a brand new video platform that caters to user needs and delivers multiple interactive viewing experiences, like augmented reality in every frame of video.
- The Revealit platform is natively social and respects the viewer by delivering information, entertainment, and shopping research that is always self-directed and in context.
- The Revealit platform was designed from the ground up to put the viewer in control and we believe that's the key to higher value for Creators, Viewers, and Brands.
- Example of flow: Every single element/item/thing shown in the video is available to shop for viewers. Viewers can change the color of any element/item/thing as per their preference of choice. Viewers can pause the video, touch any item shown in the video, it will show further details of it, an option to shop, the shop option will redirect users to the shopping site from where users can purchase that item.

• Screenshots



- List of videos available to watch.
- Users can play the video of choice.

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- All the items shown in the video are clickable to view details about them, shop, and try items at users' places using augmented reality.





[< Back](#)

Maple Wood Cutting Board

10% Discount



[Purchase](#)



[Share](#)

[Favorite](#)

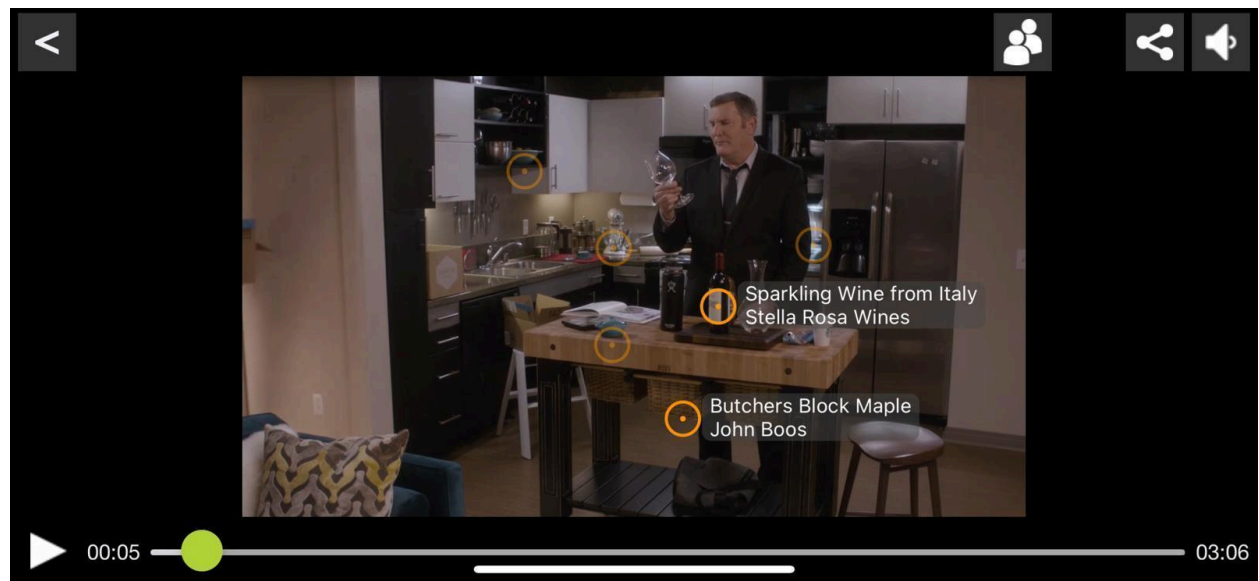


Amazon

10% Discount

www.amazon.com

- Redirection to the shopping site from where the user can make a purchase of that item.



- Trying to put items at users' place using the device's built-in Augmented Reality camera lenses.



7. CRM Mobile Application

● Objective

- The main goal of this mobile application is to create a CRM for employees and integrate it with the ERP of the organization.
- The application is created for the sales team of the organization.

● Technology

- Flutter, Java, REST APIs
- Google Location Track
- Google Map Integration

● Duration

- **Development:** JULY 2022 - SEP 2022
- **Maintenance & Support:** OCT 2022 - DEC 2023

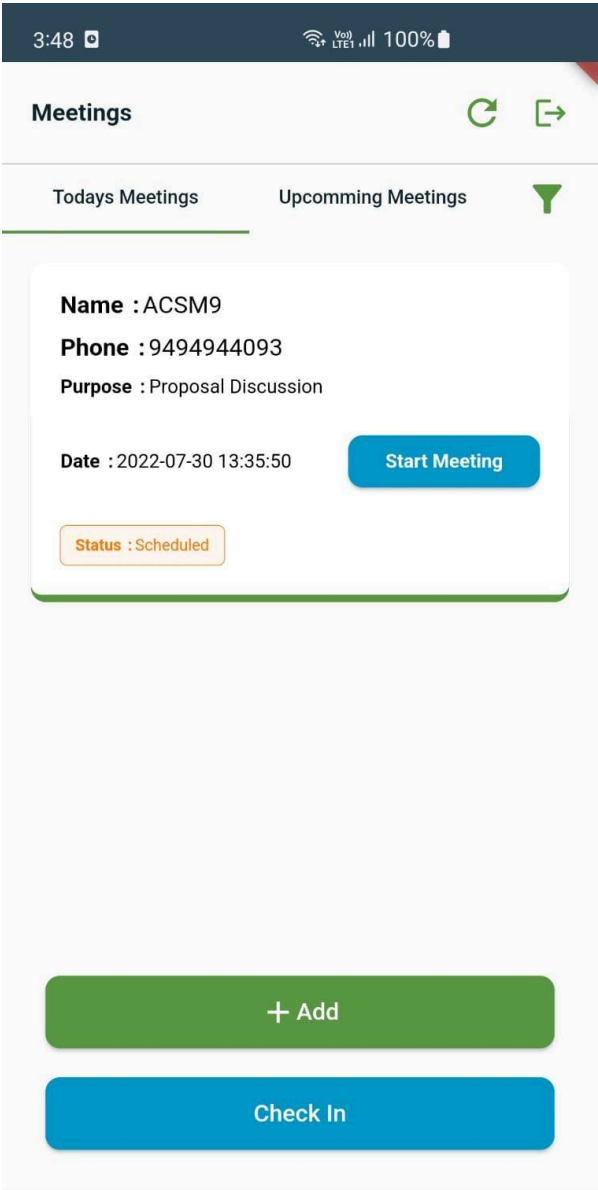
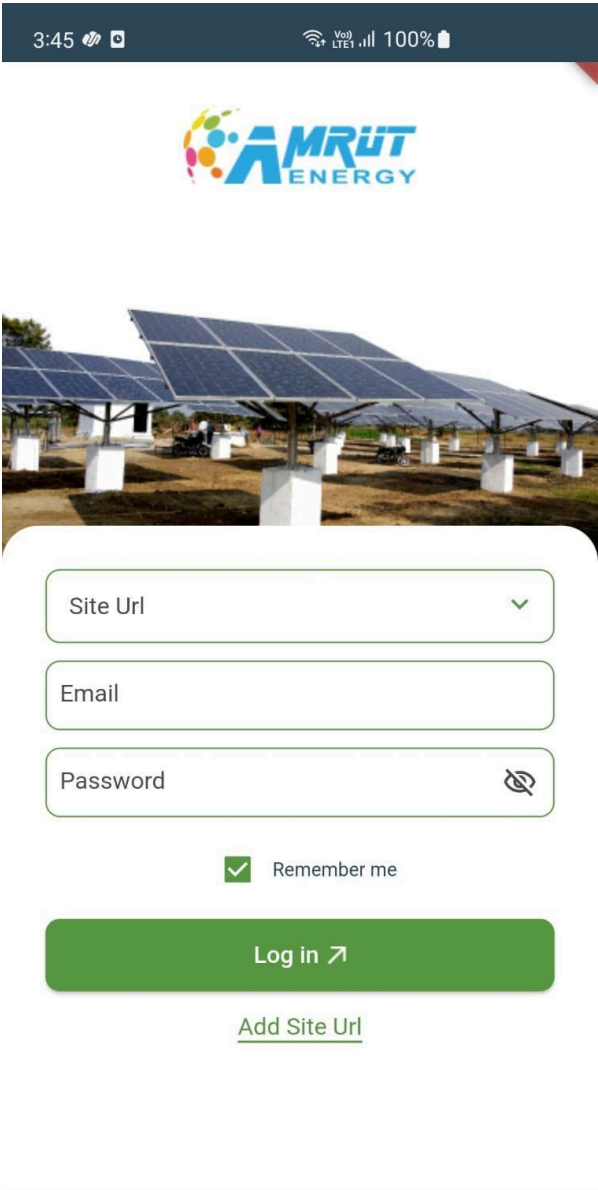
● Description

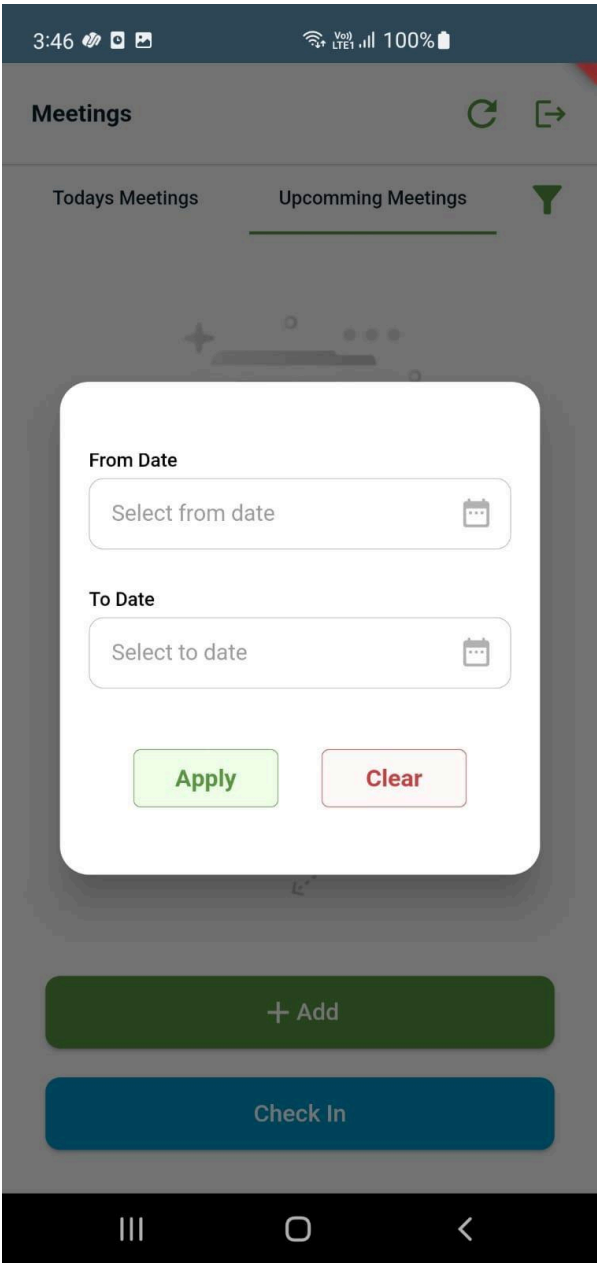
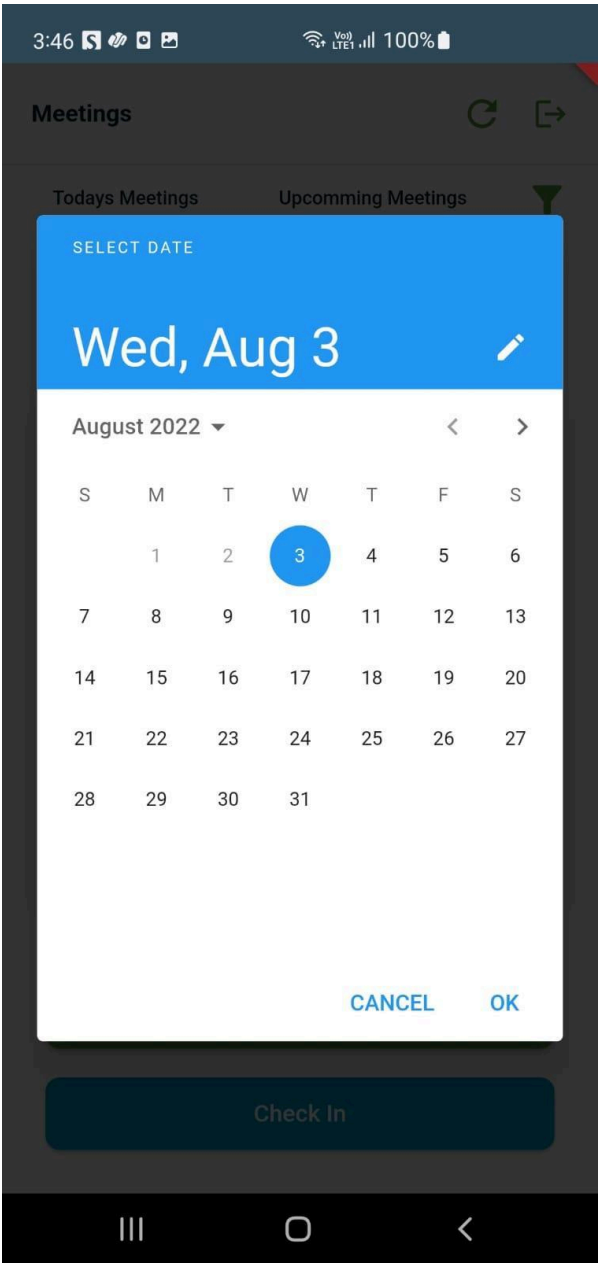
- All the key requirements are mentioned below:
 - (1) Integration with ERP of the organization
 - (2) API Integration
 - (3) Security and Authentication
 - (4) Employee Check-in, Check-out Feature
 - (5) View completed and scheduled meetings and their status
 - (6) Start, End, Create, Edit, Cancel, Assign Meeting.
 - (7) Sending Data to ERP
 - (8) Questionnaire Filling
 - (9) Location Tracking of Employee
 - (a) From start location to end location
 - (b) Once a meeting is ended ask user where to go :- back to base or next meeting location
 - (c) All these locations has to be marked and saved so that it can be shown on web
 - (d) Send all these data to ERP Using API
 - (10) ERP Modules in mobile app [same as done in ERP]
 - (a) Create Leads
 - (b) Create Opportunity
 - (c) Create Quotation
 - (d) Create Sales Order
 - (e) Create Customer
 - (f) Create Contact
 - (g) Create Address
 - (11) Employee Attendance Report

- (a) In mobile, employees will be able to see check-in, check-out time, No. of hours worked, and total distance traveled.
- (b) All the data collected from mobile will be sent to ERP.
- (c) All the locations traveled along with the path on the map, expense calculation as per distance traveled, and all reports related to this will be shown on the web in ERPNext.
For Example Expenses (Reimbursement to be given on total km traveled which is Rs. 4 for per km - eg. 16 km traveled - then $16 * 4 = \text{Rs. } 64$ will be reimbursed for that day

(12) Admin Dashboard

• Screenshots





8. Pay invoice Mobile Application

● Objective

- This Flutter-based mobile app streamlines procurement processes by allowing users to view, edit, search, and approve Purchase Orders, Purchase Receipts, and Invoices. Leveraging Single Sign-On, it caters to multiple client companies, providing a unified platform for efficient procurement management.

● Technology

- Flutter

9. HappenShare Mobile Application

● Description

- Happenshare is a social media platform where users can share photos, videos, and connect with friends. Unlike traditional platforms, Happenshare rewards users with its own cryptocurrency, K-BOND, for engaging with content. Built with Flutter for cross-platform compatibility, the app offers a seamless user experience.
- Leveraging Firebase for authentication, real-time database, and cloud storage, Happenshare ensures secure and efficient data management. Blockchain technology underpins the K-BOND cryptocurrency, allowing users to earn and transact within the platform.
- Join Happenshare to connect with friends, share moments, and earn rewards.

● Technology

- Flutter, Firebase (Authentication, Realtime Database, Cloud Storage), Blockchain (Python for smart contract), SHA-256 encryption

10. An App For the fire-fighters to locate water hydrants using Beacons [Proof-of-Concept]

● Objective

- The main objective of this mobile application was to use beacons for supporting the fire brigades.
- All the water tanks will be having a beacon device attached to them. With the use of this mobile application, Fire Brigade workers can search for a water tank and reach out to it using the map in an emergency.

- **Technology**

- Android, Kotlin

- **Description**

- **What is a beacon?**

- Beacon is a very small and simple device. It is specially designed to attract attention to a specific location.

- **How to interact with beacons?**

- Each beacon has certain Ids registered in their dedicated app.
- This beacon app can immediately recognize the Id and find the location of it.

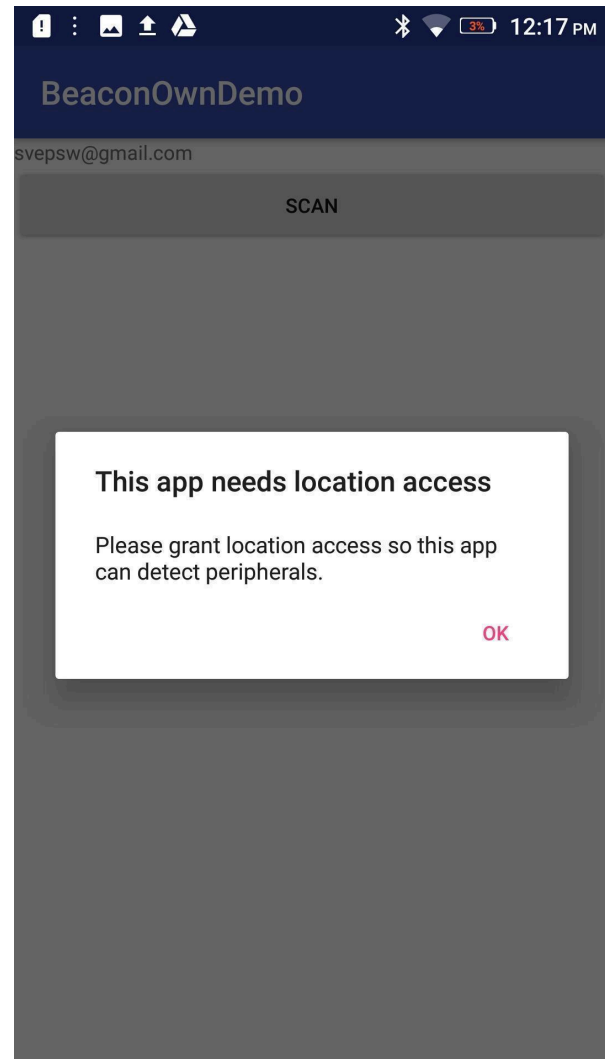
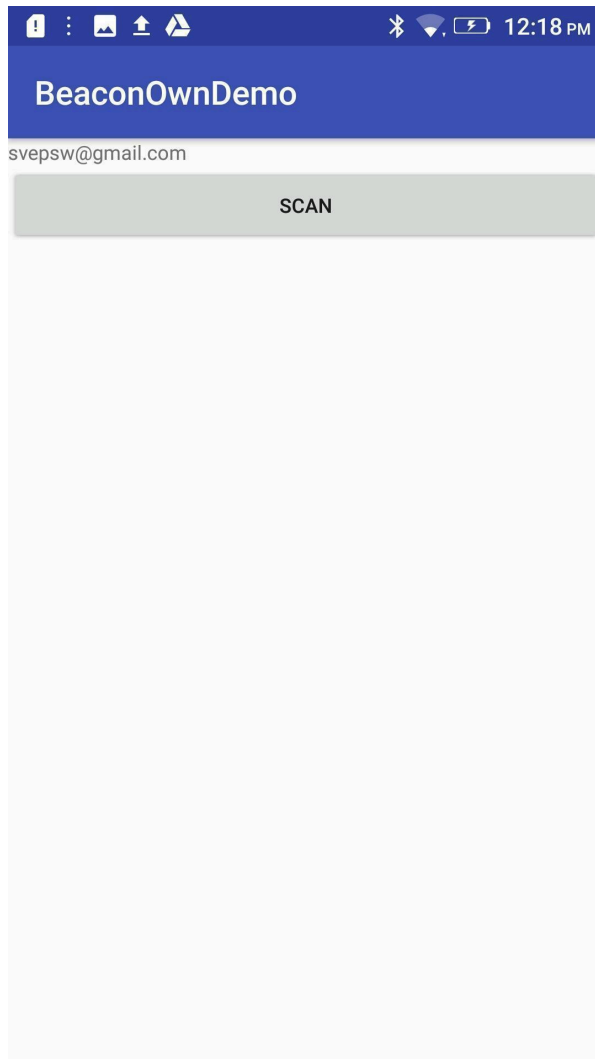
- **How does this app work?**

- This app triggers all nearby Beacons and gives the signal with Map view to reach the Beacon's location.
- The beacon sends out its ID numbers about ten times every second (sometimes more, sometimes less, depending on its settings). A nearby Bluetooth-enabled device, like your phone, picks up that signal. When a dedicated app recognizes it, it links it to an action or piece of content stored in the cloud and displays it to the user. You can "teach" your app how to react to a beacon signal by developing using third-party tools.

- **Where can this app be used?**

- This app could be used for shopping malls, heritage places, airports, restaurants, Educational institutes, etc.

- Screenshots



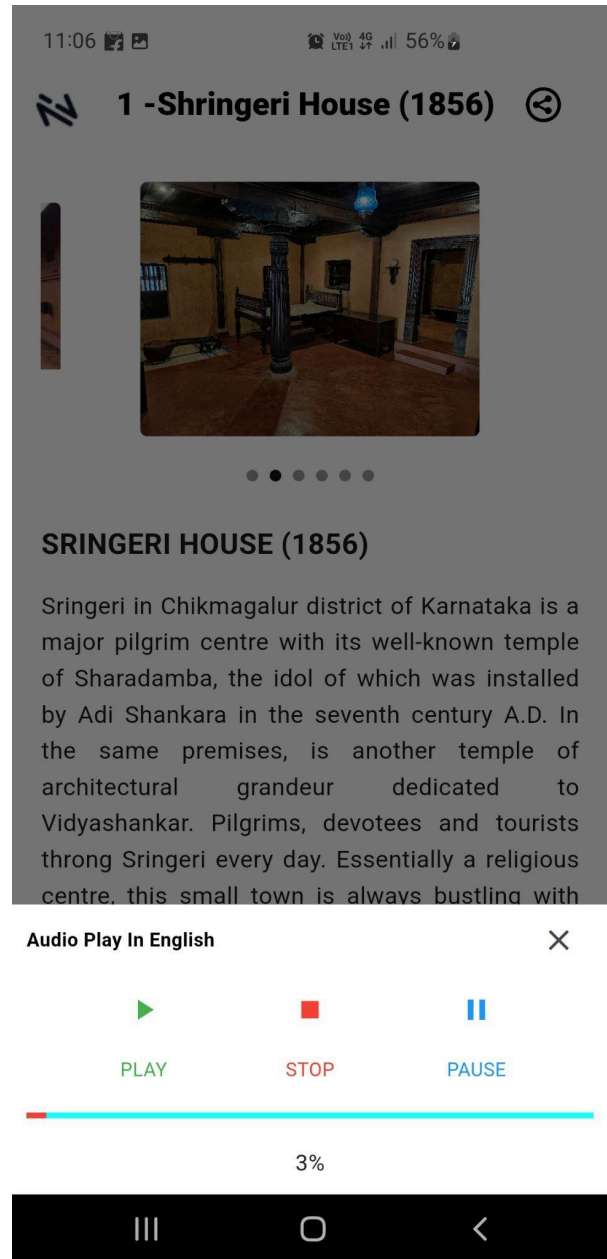
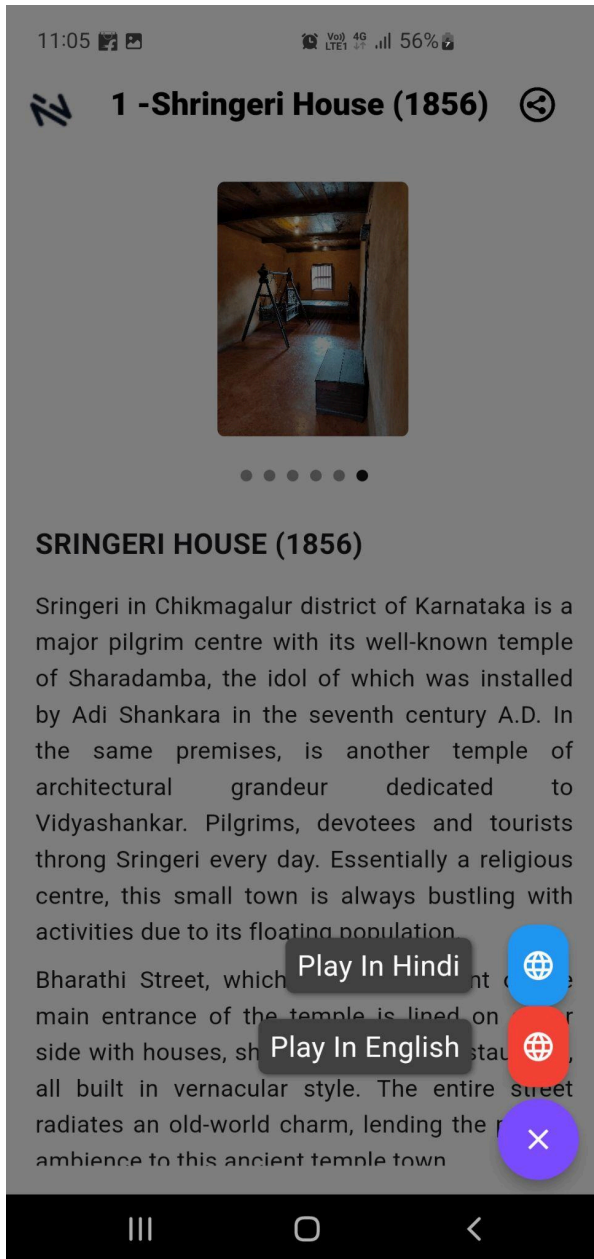
11. HastShilp Mobile Application

- Description

- This app is developed for artisans and customers to connect and appreciate India's rich heritage. Hastshilp offers a platform to showcase and sell handcrafted products, empowering artisans while providing customers with access to authentic and unique items

- Technology
 - Flutter
- Screenshots





12. Investor Application Demo using React Native [Proof-of-Concept]

• Objective

- The objective of this application is to create an application that will manage the investment needs of the users.

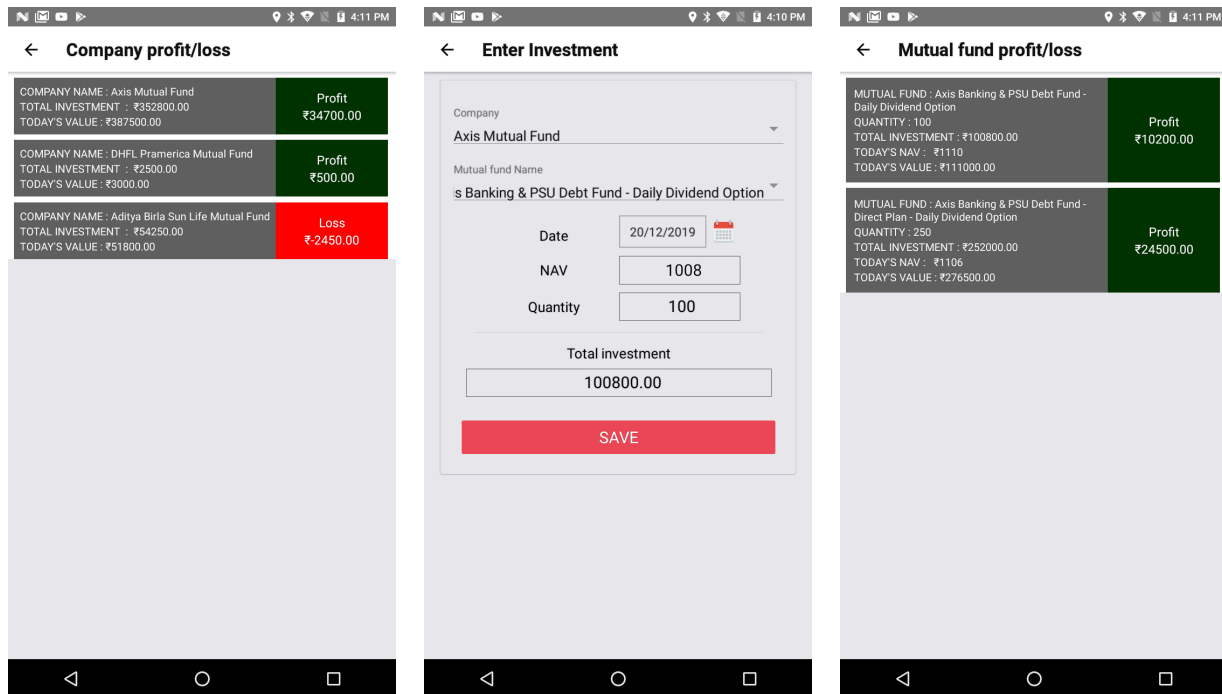
- **Technology**

- Android, React Native

- **Description**

- This mobile application is developed using an open-source UI software Framework 'React-native'.
- It stores all the investment information of the users and calculates the profit and loss of each investment. The calculation is done based on the information entered and users are shown data analytics for the same.

- **Screenshots**



13. OCR [Optical Character Recognition] [Demo]

- **Objective**

- This mobile application was developed for scanning and converting any image of typed, handwritten, or printed text into machine-encoded text.

- **Technology**

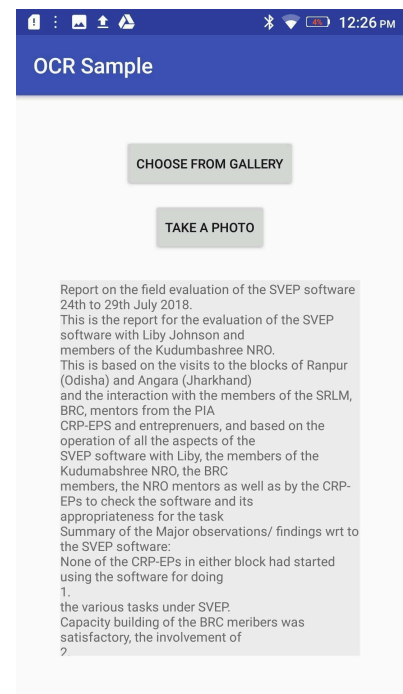
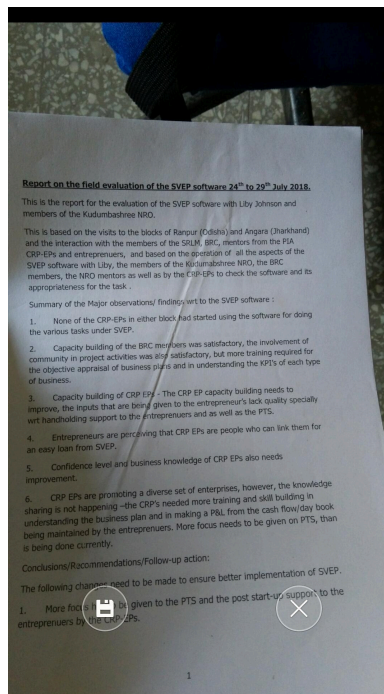
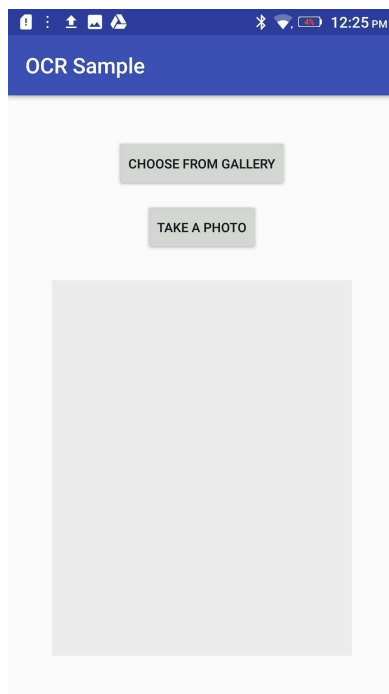
- Android

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● Description

- OCR is generally an "offline" process, which analyses a static document.
- Instead of merely using the shapes of glyphs and words, this technique is able to capture motions, such as the order in which segments are drawn, the direction, and the pattern of putting the pen down and lifting it.
- This additional information can make the end-to-end process more accurate.
- This technology is also known as "on-line character recognition", "dynamic character recognition", "real-time character recognition", and "intelligent character recognition"

● Screenshots



14. Firebase Chat App [Demo]

● Objective

- This is a chatting mobile application that allows two users to chat using Firebase real-time Data.

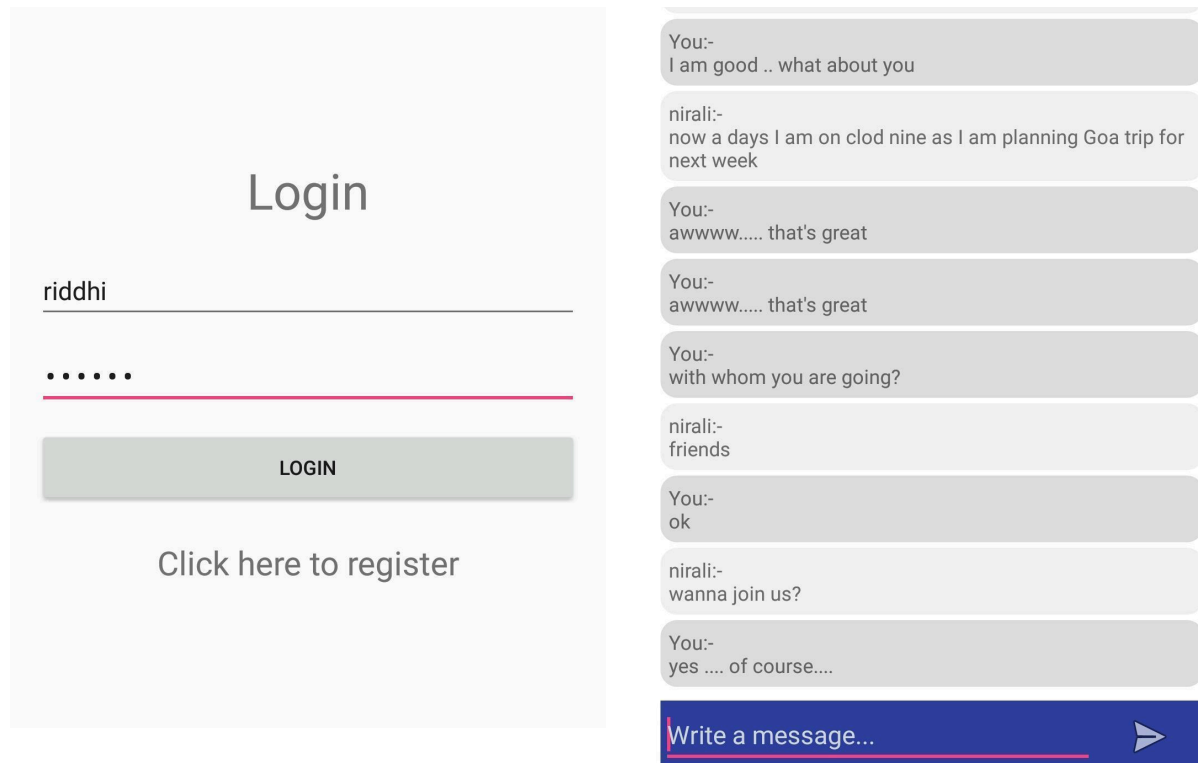
● Technology

- Android

- **Description**

- It allows users to sign in to the application.
- Data is synced using the Firebase Realtime Database.
- Also, data is stored in binary files in Firebase
- Users can chat with each other using firebase's real-time data.

- **Screenshots**



15. DASH Video Streaming App [Demo]

- **Objective**

- DASH stands for 'Dynamic Adaptive Streaming over HTTP'
- DASH is an adaptive bitrate streaming technology where a multimedia file is partitioned into one or more segments and delivered to a client using HTTP

- **Technology**

- Android

- **Description**

- It converts the content into a sequence of small HTTP-based file segments, each segment contains a short interval of playback time of content that is many hours in duration.

- **Screenshots**

