

Systems worked in the Social Domain

SVEP (Start-up Village Enterprise Program) system

SVEP Mobile web application is developed for the Startup Village Entrepreneurship Programme under National Rural Livelihoods Mission[NRLM].

This is a workflow based system that has been developed to manage the SVEP project. This project has been undertaken under the NRLM. This project has been rolled out in 19 states covering multiple blocks and villages . This system has gone live since the last 2 years and yes now under maintenance and extension.

The technology used in this project is multi-fold. This project has 2 parts the Web Part that is used by the NRLM, the SRLM, the PIA, the District project manager, the Block project manager, the BRC, and the mentor. the mobile application is used by the CRP-EP to enter data in the field. The system manages both the flows of arriving at the Demand-Supply Gap (DPR) and to manage the Entrepreneur workflow. The mobile application work in offline mode where the data can be synchronised on request. The Mobile Application can support multiple vernacular Languages.

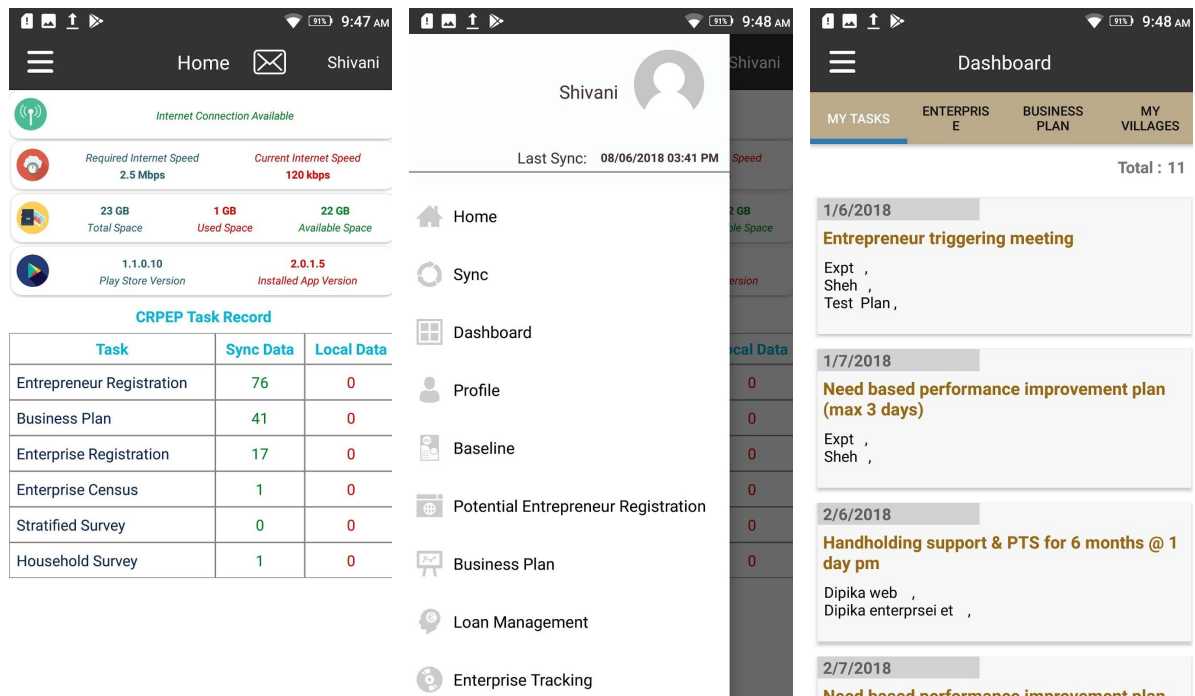
For the web application the front end technology is Angular.JS, the middleware is based on J2EE along with the Spring Framework and the database is Postgres SQL. For the mobile application we help used Java using Android studio along with SQL Lite as the mobile database.

This application is fine tuned to handle large load. There are multiple external modules of the application. These modules include the market aggregation module. There is already a large change request to extend the application outside of the SVEP program to include NRETP and other farm programs.

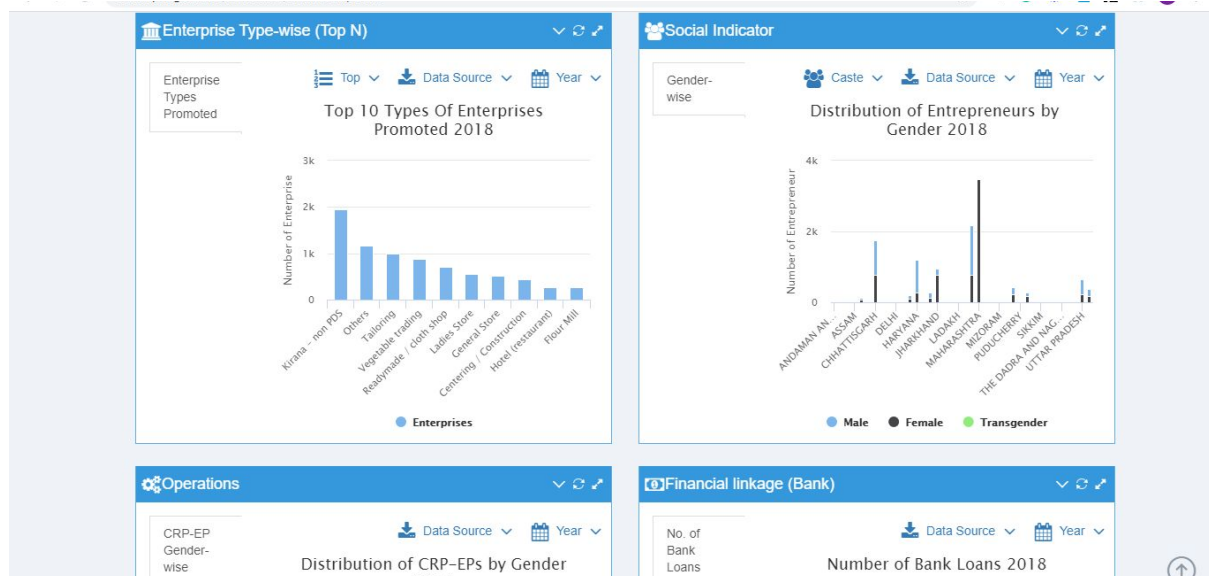
We have a team that understands the terminologies associated with the SVEP program.

Screenshots

Mobile Application



Web Application



*Transform Rural India Foundation (TRIF) – Centre for Mass Rural
Entrepreneurship (CMRE).*

CMRE-TRIF Initiative is software for enrolling the entrepreneurs and enterprises in the system and providing support to them. The work is done on two platforms:- Web and Mobile.

This software is developed for Transform Rural India[TRI] - An Initiative of TATA Trust.

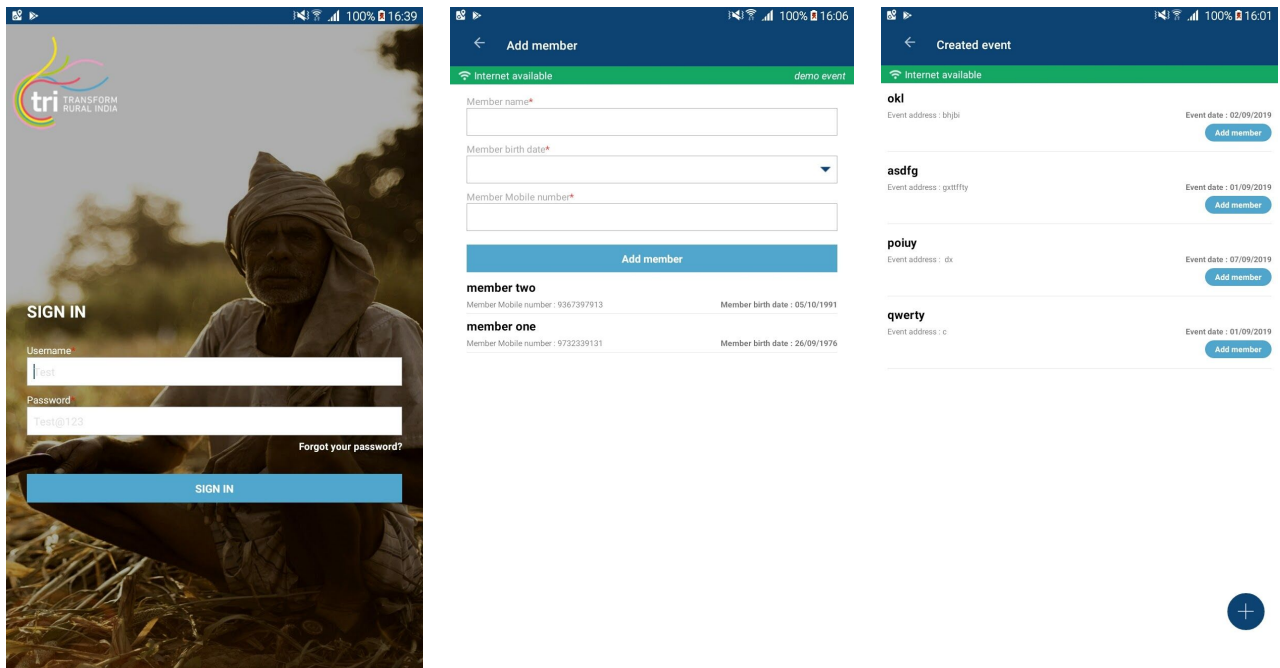
This was another system developed to support rural entrepreneurship for TRIF. This was also a workflow based system to help TRIF implement the rural entrepreneurship program across villages. This project starts from enrolling rural entrepreneurs who attend the various training sessions conducted by TRIF. The system has a work-flow that allows the entrepreneurs to create business plans and seek help in creating these business plans. Using the workflow based system the entrepreneur can seek for scholarship for his local rural business ideas.

This system has been rolled out and is operational in the few villages where the TRIF have rolled out the CMRE program.

The technology used in this project is multi-fold. This project has 2 parts the Web Part and the mobile application. The mobile application works in offline mode. For the web application the front end technology is Angular.JS, the middleware is based on J2EE along with the Spring Framework and the database is PostgreSQL. For the mobile application we help used Java using Android studio along with SQL Lite as the mobile database.

Screenshots

Mobile Application



Web Application



Mahila Bachata Yojana for SUMUL

SUMUL has formed multiple mahila groups at village level. It encourages females to make small savings. It also offers loans and advances against the money collected. This offers female the freedom from money lenders and encourages local small savings.

The mobile application was developed so that SUMUL representative can go to various villages and collect small savings from the woman of the village. The money collected during the day would then be deposited in a bank by the SUMUL representative. The woman of the village can also request the representative for advance against the money collected. Also when the representative collects the money or gives an advance he prints a receipt on a small Bluetooth printer which he is also carrying. He can also print the details of the money collected at the end of the day. The printing on the Bluetooth printer can happen In English and in any vernacular language that has been programmed.

This was mobile application that was developed but the data was stored on the central server. The mobile app was developed in Java using Android studio and the local database used was SQL lite. The server component was developed using J2EE along with the Spring Framework.

This system has been rolled out and is operational.

The Artificial Insemination support system for AMUL

There is a system in place to collect semen from pedigree bulls and to inseminate it into cows at the village level. This would lead to the improvement in the quality of cows at the village level leading to improvement in the level of milk produced.

A system was built to keep a track off the heat cycle of the cows at the village level. The owner of the cow could then request for the cow to be artificially inseminated by the semen of a pedigree bull. The workflow would manage the task from the request to the various stages of insemination to the result. It would also maintain the heat cycles of various cows.

This system also had 2 parts the Web Part to onboard the local AMUL representatives and the customer and the Web Part to manage the insemination workflow.

The mobile application that was developed but the data was stored on the central server. The mobile app was developed in Java using Android studio and the local database used was SQL lite. The server component was developed using J2EE along with the Spring Framework.