

Samyak Infotech

Ahmedabad,
Gujarat, India

ISO 9001:2015

SAMYAK'S JOURNEY

1987

Samyak came into existence as Process Control Instruments Manufacturing Company

1998

Samyak ventured into IT Solutions Provider Company. Provided **first Logistics** solution

2003

Developed Communication Control Console (CCC) for **Earth Station Monitoring** from Space Applications Center, ISRO

2009

Developed Inventory System for ISRO. Built **high Quality GPS tracking** Device to rescue fishermen. Associated with **NGL** as tech partner

2012

"Best Mobile Application Development Company" recognized by GESIA. Developed Image processing System for dairy product

2021

Works with multiple clients across the world in various technologies and different domains & 1200 + products Installations

Boosting Growth with Technovation

Augmenting User Experiences with Seamless Technology

End to end Solutions

OUR DOMAIN EXPERTISE & SERVICES

Enterprise Solutions and
Software Development

| AI and Deep Learning based
Solutions

| IoT based Industrial
Applications

Standalone systems | Web Apps | Mobile Apps | Enterprise Customers

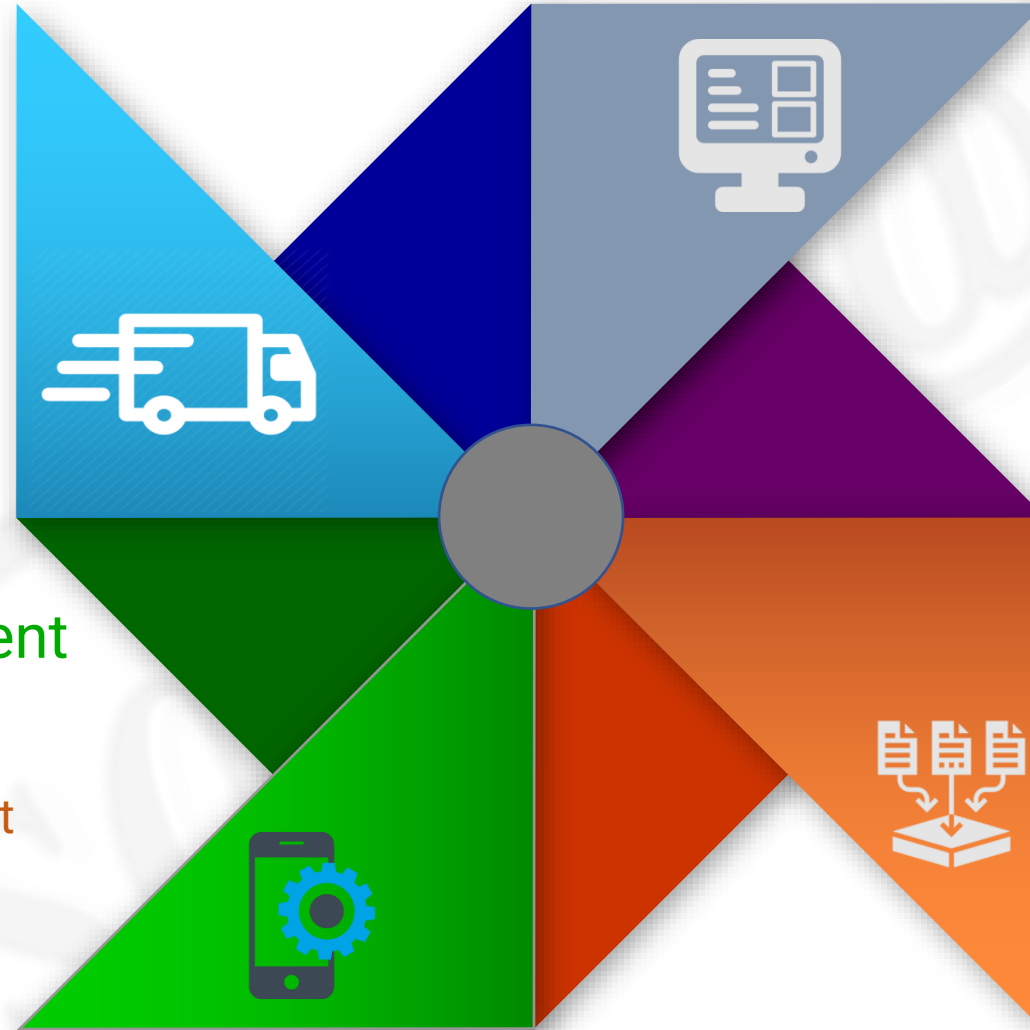
MAJOR APPLICATIONS AREAS

Logistics

- Same day Delivery
- NFO(Next Flight Out)
- City Routing
- LTL(Less than truck Load)
- LCL(Less than Container Load)

Inventory Management

- Inbound
- Out Bound
- Cycle count management
- Inventory Sorting Automation
- Bar Code Scanning



Industrial Automation

- Weighbridge Software
- Terminal Automation
- Furnace Monitoring
- RMC Plant Monitoring
- Stability Chamber Monitoring

Embedded Systems

- IOT (Internet of Things)
- RMC Plant Automation
- Flow Totalizer
- Batch Controller
- Alarm Annunciator
- GPS Tracking Device



GLOBAL ACHIEVEMENTS

A dark grey silhouette of a world map is centered in the background. Numerous small green dots are placed across the map to indicate global locations, with a higher concentration in Europe, Africa, and Asia.

70+
COUNTRIES

12000+

PRODUCT INSTALLATIONS
ACROSS GLOBE

1000+
Satisfied
Customers

SOME OF OUR VALUED CUSTOMERS





LOGISTIC SOFTWARE SOLUTION



We develop state-of art technology platform that lets

- Real time management of customers orders and track their shipments.
- Customers can manage, optimize their inventory and reduce cost.
- By digitally linking every step of the process, we provide the most reliable and seamless supply chain solution.

Some of the key features

- Next flight out
- Same day delivery
- Driver behavior
- Warehouse & Inventory management
- Airline rate optimization
- Service parts logistics
- Data visualization and analytics using PowerBI and Tableau



LOGISTICS – AGENT MOBILE APPLICATION



3:17

1.17 KB/S

WLTE

67%

Task Log

ENTER PICKUP #

Tracking # 123003856

Pickup # : N3054325

Cust Name : BBCUST

Pickup Window : 05/20 05:20 EDT - 06:20 EDT

Est Delivery Time : 05/20 07:50 EDT

Vehicle : Car MILES : 38 SVC : LOC

Tracking # 123003937

Pickup # : N3054333

Cust Name : BBCUST

Pickup Window : 05/20 02:33 PDT - 03:34 PDT

Est Delivery Time : 05/20 04:25 PDT

Vehicle : Car MILES : 5 SVC : SD

Tracking # 123003959

Pickup # : N3054335

Cust Name : BBCUST

Pickup Window : 05/20 04:39 CDT - 05:09 CDT

Est Delivery Time : 05/22 08:00 CDT

Vehicle : N/A MILES : N/A SVC : H3P

Operations

Inbound

Outbound

3:20

7.25 KB/S

WLTE

65%

←

PU# N3054325

PickUp Address

Delivery Address

CURSEEN-MORRIS P&DC 900 BRENTWOOD RD ARLINGTON VA 22202 USA

PICKUP WINDOW

REQUIRED DELIVERY TIME

05/20 05:20 EDT - 06:20 EDT

05/20 07:50 EDT

BOL : 123003856

PIECES : 1

WEIGHT : 5 lbs

PICKUP INSTRUCTIONS:

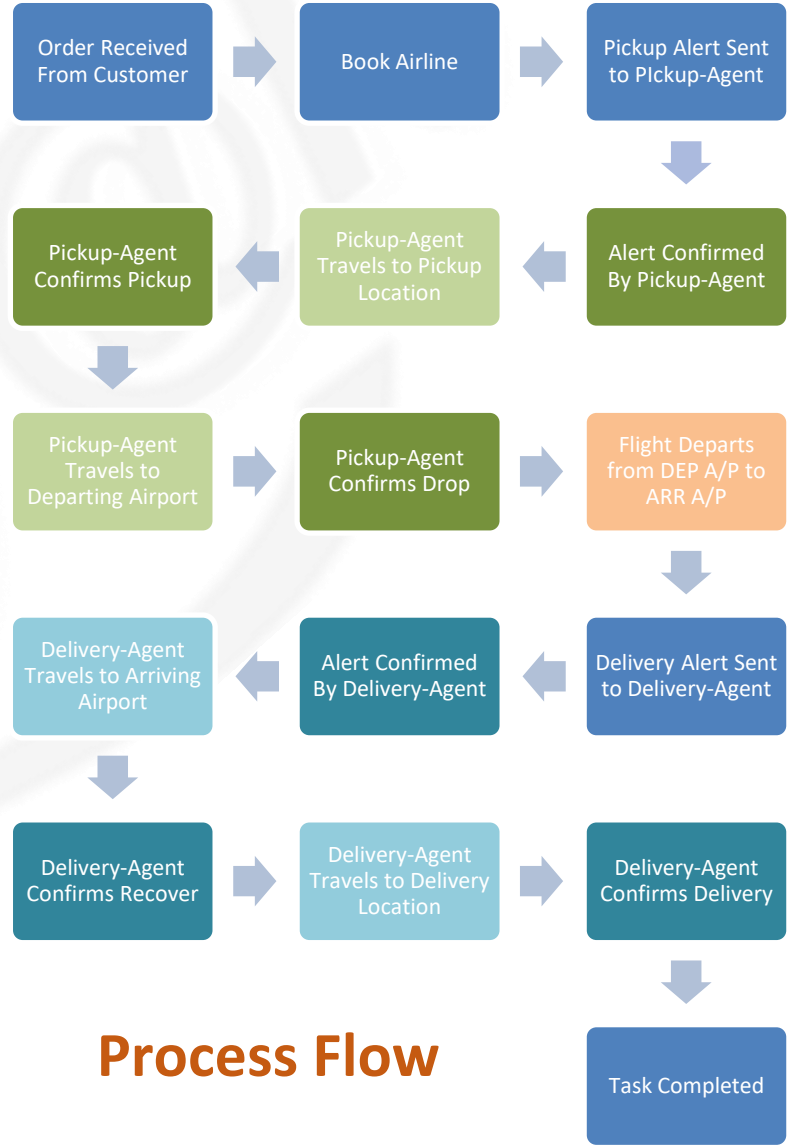
Handle with care

Vehicle : Car

Miles : 38

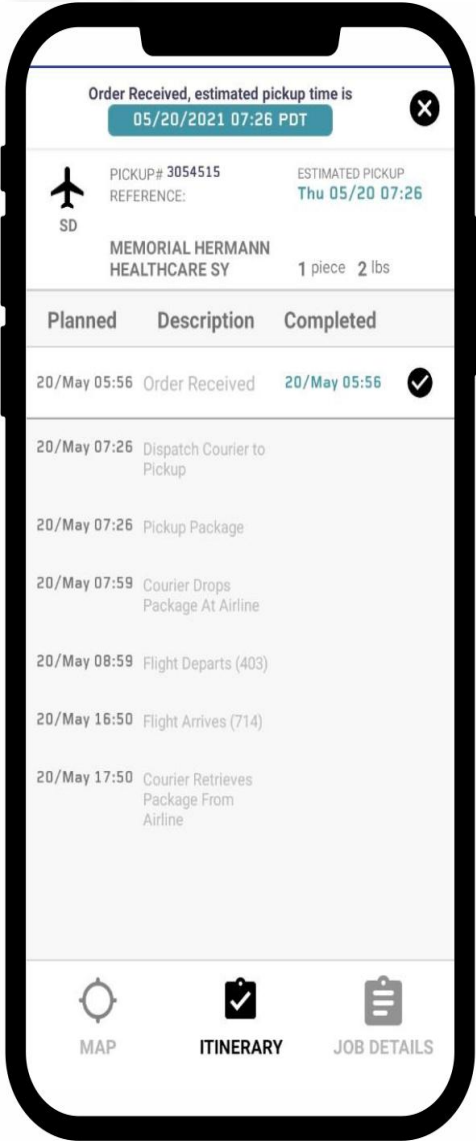
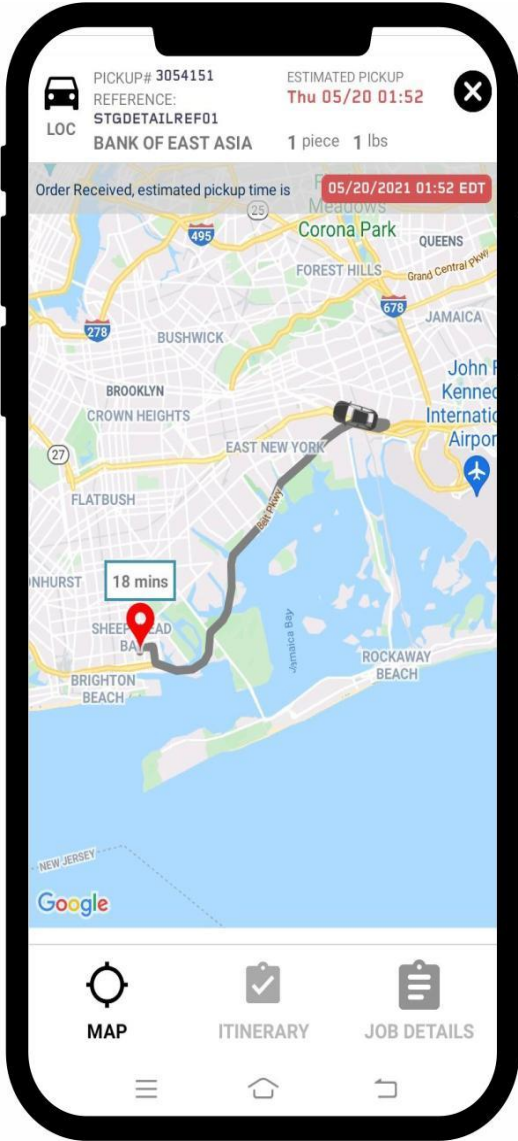
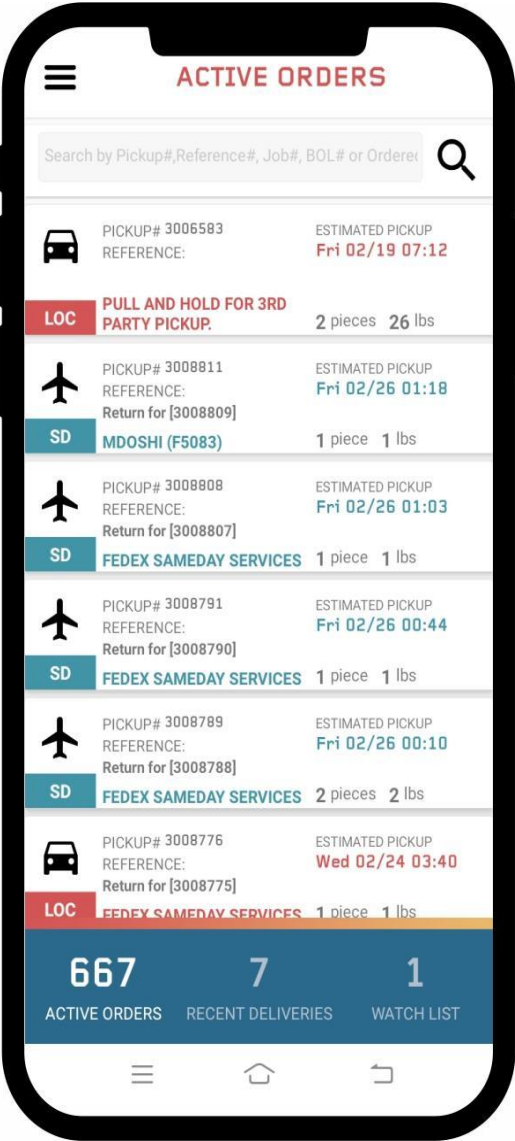
ACCEPT JOB

REJECT JOB

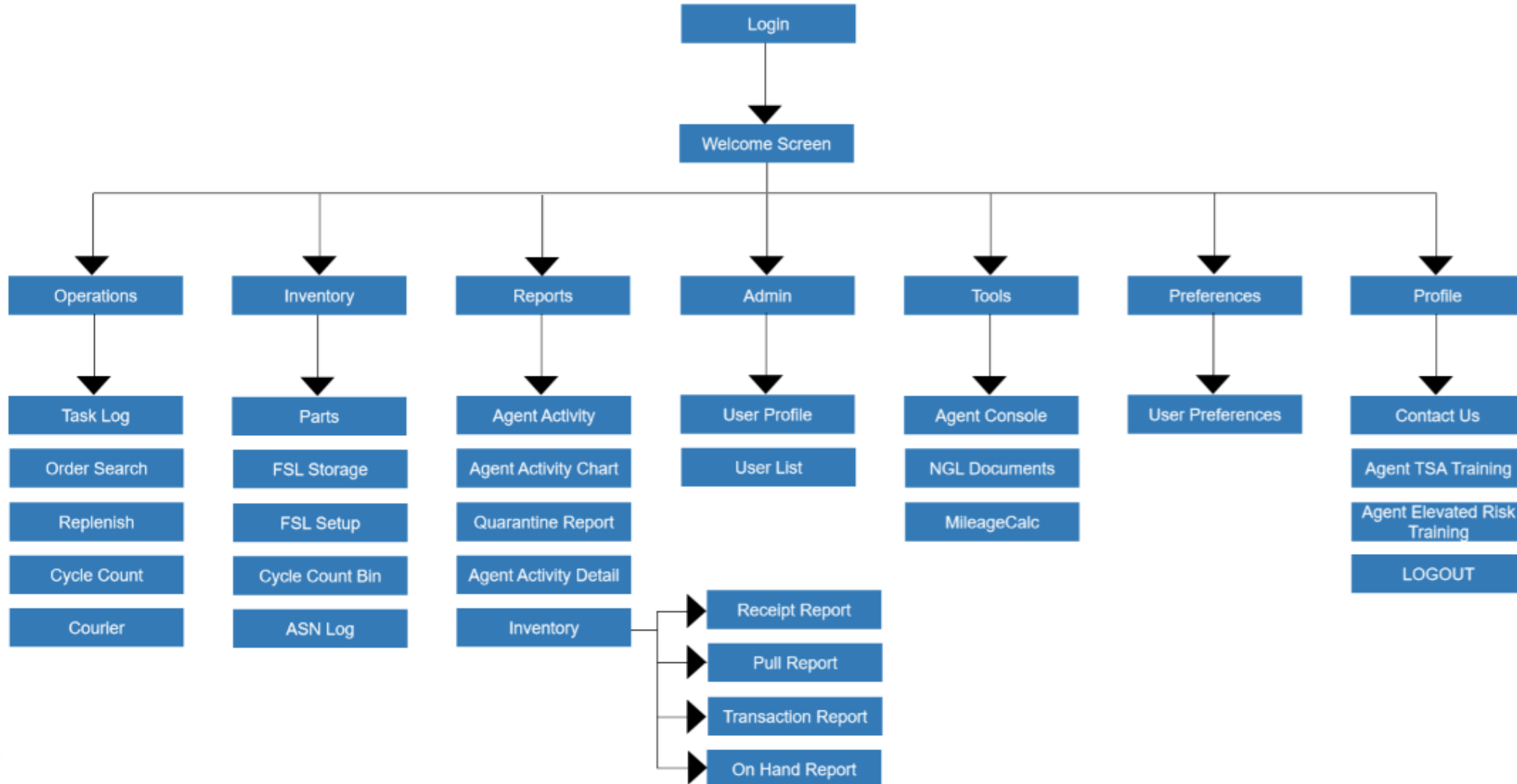


Process Flow

LOGISTICS – CUSTOMER MOBILE APPLICATION



LOGISTICS – ADMIN WEB APPLICATION MODULES



LOGISTICS: EASELOGIX

Angular 6 | React Native | Android, IOS and WEB | Firebase | API | My SQL |

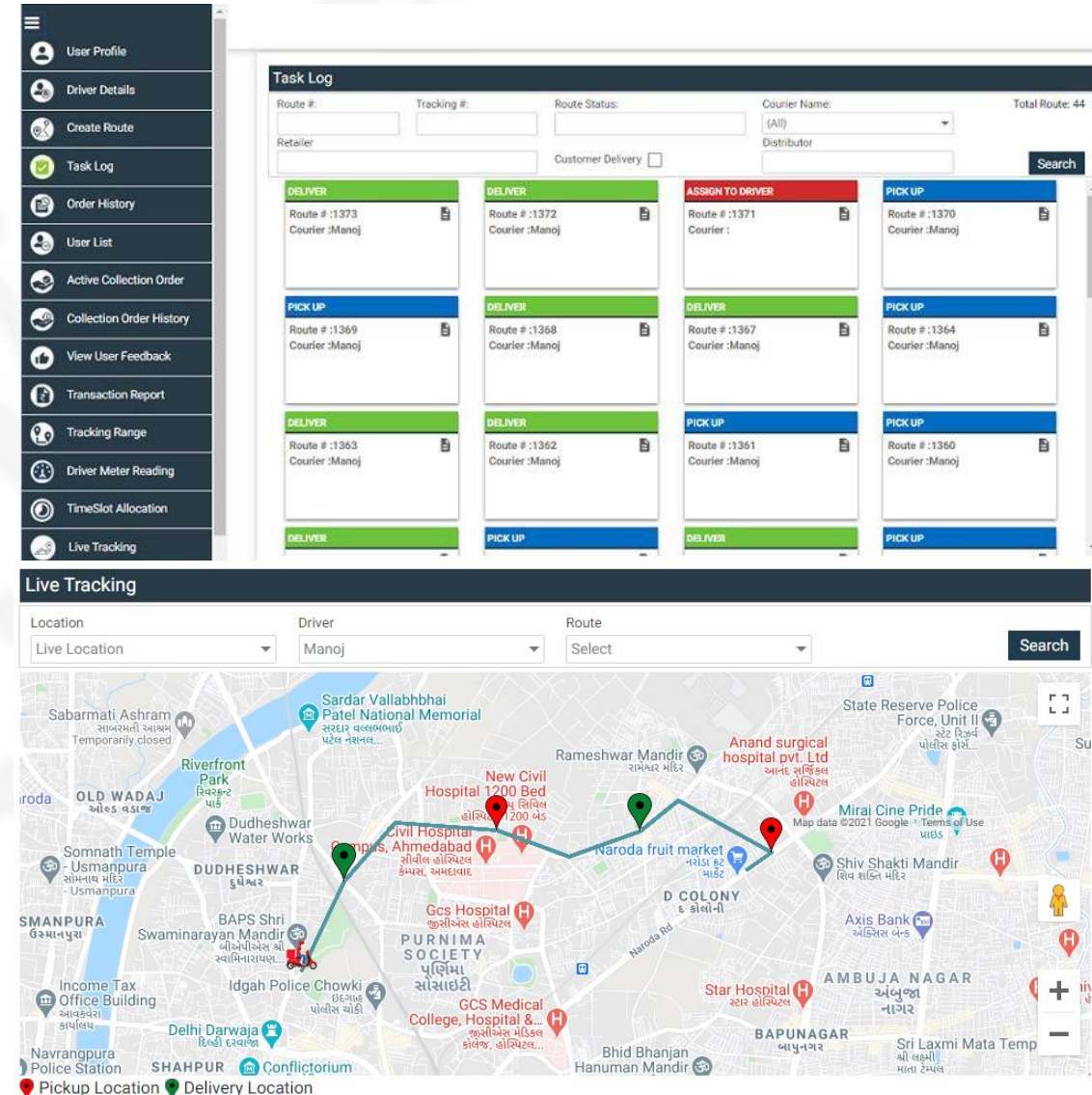
Major Stakeholders: Distributor, Retailer, Admin (Service Provider), delivery and payment collection agents.

The purpose of this application

- Bring product distributors and retailers on the same platform where they can place orders and admin can manage its logistics.
- Instead of 15 distributors using 15 drivers for delivery now only 5 drivers can do the work as all the orders are on the same platform.

Some of the key features:

- Easy integration with existing software
- Driver route creation and order assignment
- Proof of delivery
- Geofencing
- Live tracking

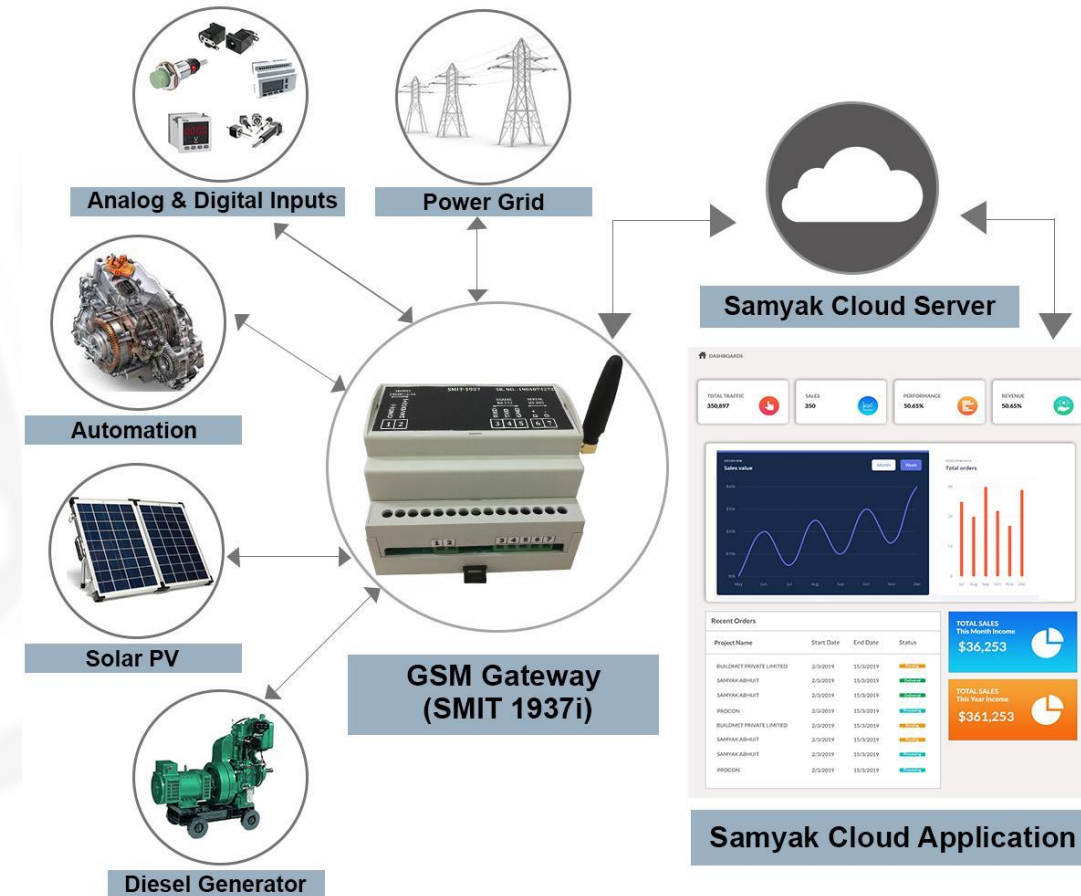


Industry 4.0 based Automation

IoT | Artificial Intelligence | Deep Learning

INDUSTRY 4.0: REMOTE MONITORING SYSTEM (RMS)

- End to end IoT solution.
- Sending required data to server either through GSM modem wirelessly or through wired cable from industrial plants, buildings and machinery.
- Preference of type of Server (cloud server, in-house server or our in-house server as per your requirement).
- Reporting and analysis of data on the server as per need.
- Alarms, alert messages can be sent.
- Display and download of trend reports by remote view.



Remote Monitoring System

INDUSTRY 4.0: REMOTE MONITORING SYSTEM (RMS)



Benefits of our Remote Monitoring System



Lower operating cost



Hierarchy based plant or machine allocation



Lower data gathering cost



Take data driven decisions



Create sustainable facility

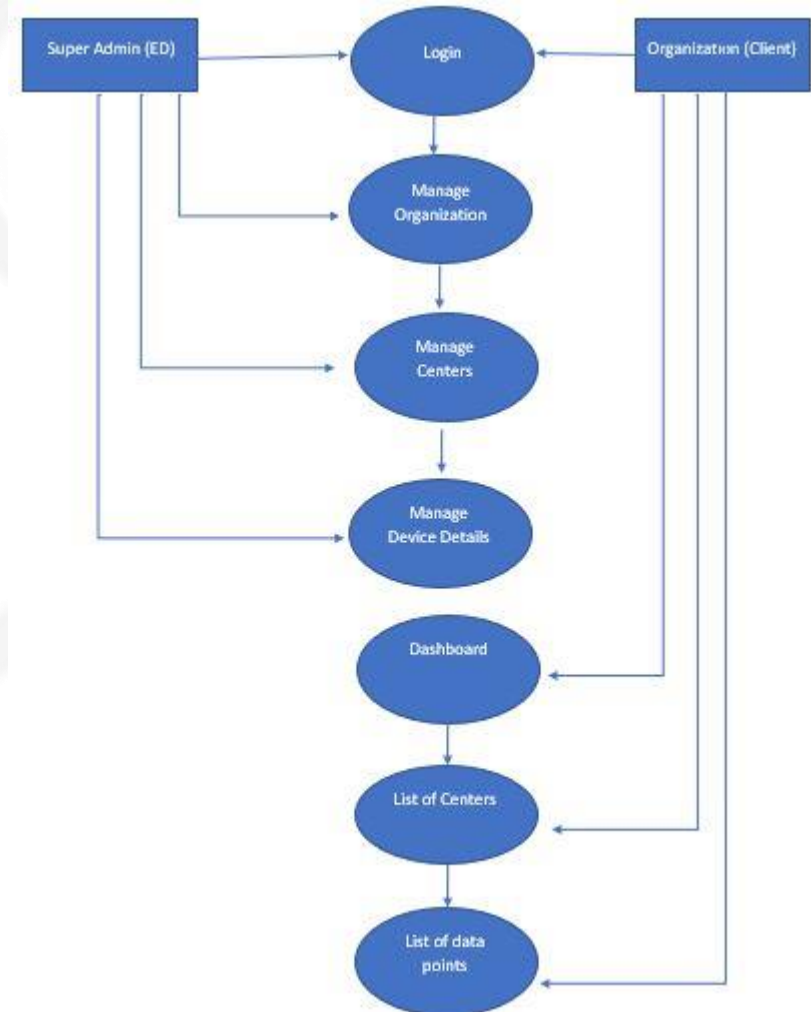


Predictive maintenance strategy



Operate anytime from anywhere

Hierarchy based web application





ADMIN

REPORT

CONTROL



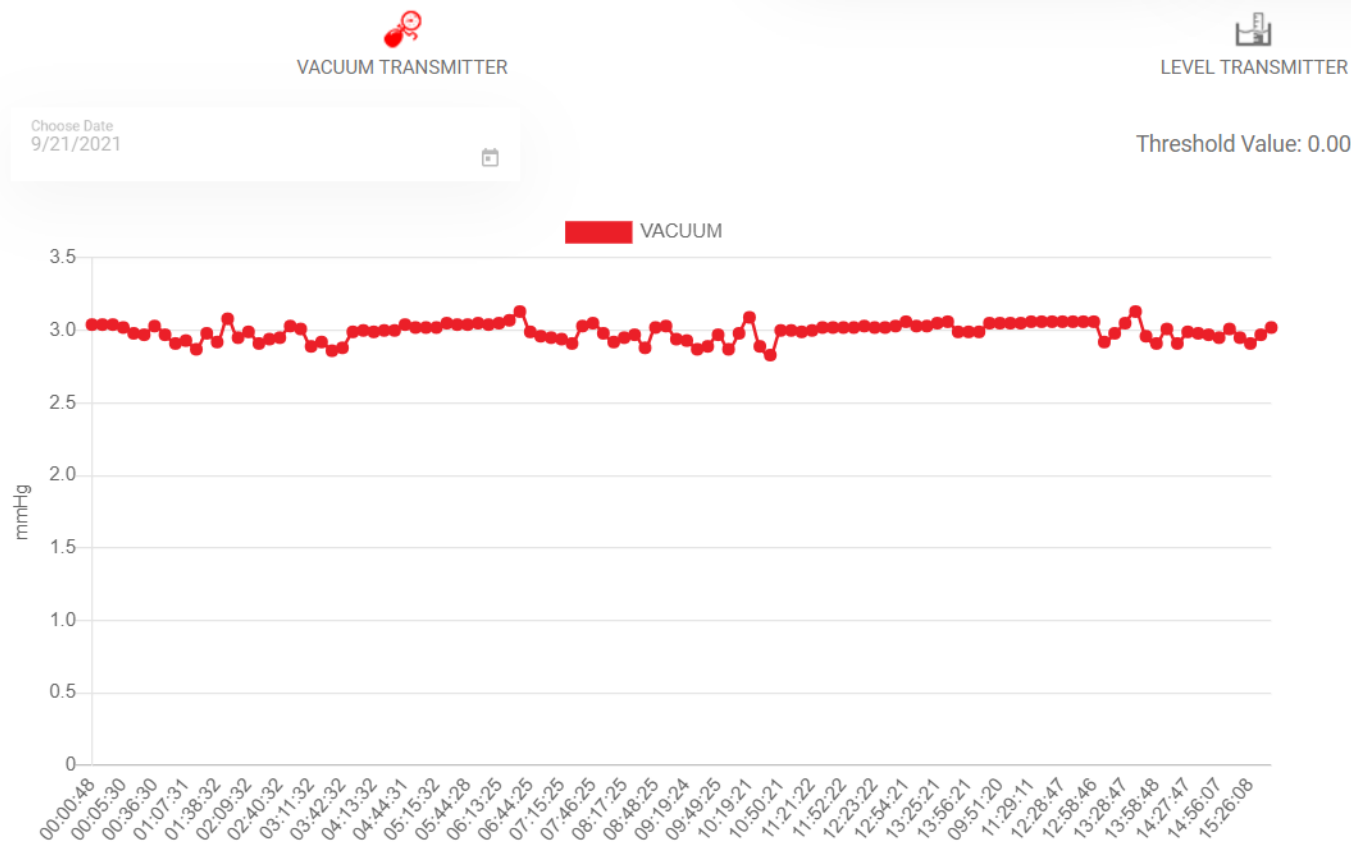
INSTRUMENT CHART

Company Name
Reciclar Technologies Pvt Ltd.

Site Name
Acrysil Limited (AL P2)

Panel Name
AL STP 1 - Bhavnagar

Meter Name
RTPL1000000006000001




DateTime	Vacuum Transmitter
21-09-2021 15:46:07	3.02
21-09-2021 15:36:07	2.97
21-09-2021 15:26:08	2.91
21-09-2021 15:16:08	2.95
21-09-2021 15:06:08	3.01
21-09-2021 14:56:07	2.95
21-09-2021 14:45:47	2.97
21-09-2021 14:37:47	2.98
21-09-2021 14:27:47	2.99
21-09-2021 14:18:48	2.91
21-09-2021 14:08:48	3.01
21-09-2021 13:58:48	2.91
21-09-2021 13:48:48	2.96
21-09-2021 13:38:47	3.13
21-09-2021 13:28:47	3.05
21-09-2021 13:18:46	2.98

PDF

Export

INDUSTRY 4.0: REMOTE MONITORING SYSTEM (RMS)




DASHBOARD

ADMIN

REPORT

CONTROL



REPORT

Reciclar Technologies Pvt Ltd.

▼

Acrysil Limited (AL P2)

▼

AL STP 1 - Bhavnagar

▼

RTPL1000000006000001

▼

Start Date
9/21/2021

▼

End Date
9/22/2021

▼

Search

Export

Send Email

DateTime	FEP WORKING PUMP	FEP STANDBY PUMP	PEP WORKING PUMP	PEP STANDBY PUMP	BKW WORKING PUMP	BWR WORKING PUMP	BWR STANDBY PUMP	FEP WORKING PUMP HOURS	FEP STANDBY PUMP HOURS	PEP WORKING PUMP HOURS	PEP STANDBY PUMP HOURS	BKW WORKING PUMP HOURS	BWR WORKING PUMP HOURS	BWR STANDBY PUMP HOURS	LS1	LS2	LS2H	Vacuum Transmitter	FLOW METER-1 LPH	FLOW METER-1 LPD	FLOW METER-2 LPH	FLOW METER-2 LPD
21-09-2021 10:30:32	OFF	ON	OFF	OFF	OFF	ON	OFF	99.00	97.00	90.00	88.00	16.00	188.00	182.00	ON	ON	OFF	3.04	0.00	200595.76	0.00	131563.01
21-09-2021 10:29:33	OFF	ON	OFF	OFF	OFF	ON	OFF	99.00	97.00	90.00	88.00	16.00	188.00	182.00	ON	ON	OFF	3.05	0.00	200595.76	0.00	131563.01
21-09-2021 10:28:32	OFF	OFF	ON	OFF	OFF	ON	OFF	99.00	97.00	90.00	88.00	16.00	187.00	182.00	ON	ON	OFF	3.01	0.00	200117.07	683.44	131563.01
21-09-2021 10:27:32	OFF	OFF	ON	OFF	OFF	ON	OFF	99.00	97.00	90.00	88.00	16.00	187.00	182.00	ON	ON	OFF	2.96	0.00	200108.75	728.87	131563.01
21-09-2021 10:26:33	ON	OFF	ON	OFF	OFF	ON	OFF	99.00	97.00	90.00	88.00	16.00	187.00	182.00	ON	ON	OFF	2.98	1440.00	199900.60	731.17	131555.54
21-09-2021 10:25:32	ON	OFF	ON	OFF	OFF	ON	OFF	99.00	97.00	90.00	88.00	16.00	187.00	182.00	ON	ON	OFF	2.99	1440.00	199900.60	730.99	131531.73
21-09-2021 10:24:33	ON	OFF	ON	OFF	OFF	ON	OFF	99.00	97.00	90.00	88.00	16.00	187.00	182.00	ON	ON	OFF	3.02	1440.00	200333.53	734.62	131507.93

Level Monitoring System (Mumbai Municipal Corporation)



Level Monitoring System (Mumbai Municipal Corporation)



Level Monitoring System (Mumbai Municipal Corporation)



Tata nagar
belapur

Hanuman nagar
Pfizer road Turbhe

Adavli Bhutavali
Koparkhairane

Near MSEB TOWER
Yadav nagar Airoli

Devi dham nagar
Yadav nagar Airoli

Ram nagar Sulabh
shauchalay Digha

Sindhudurg chawl
talavli Goan Ghansoli

Sathe nagar G1 + near
water tank Digha

Near Digha baba
temple G1+ Digha

Ambedkar nagar Sulabh
shauchalay Digha

Ramnagar Mukund
Company wall Digha

Ramnagar Nr.Mukund co
wall-18 seated Digha

Ambedkar nagar sulabh
shauchalay Digha

Ganpati pada
padmavati Digha

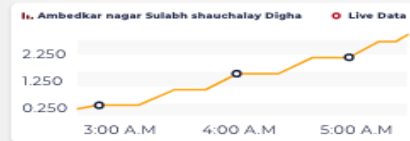
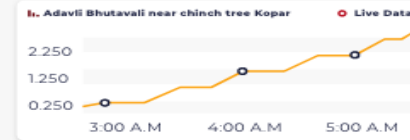
Vishnunagar Gawade
CHAWL (GENTS) Digha

Vishnunagar Kolapur
Chawl Digha

Sanjay Gandhinagar
Valmiki Chawl Digha

Talavaligaon Near Khadi
Ghansoli

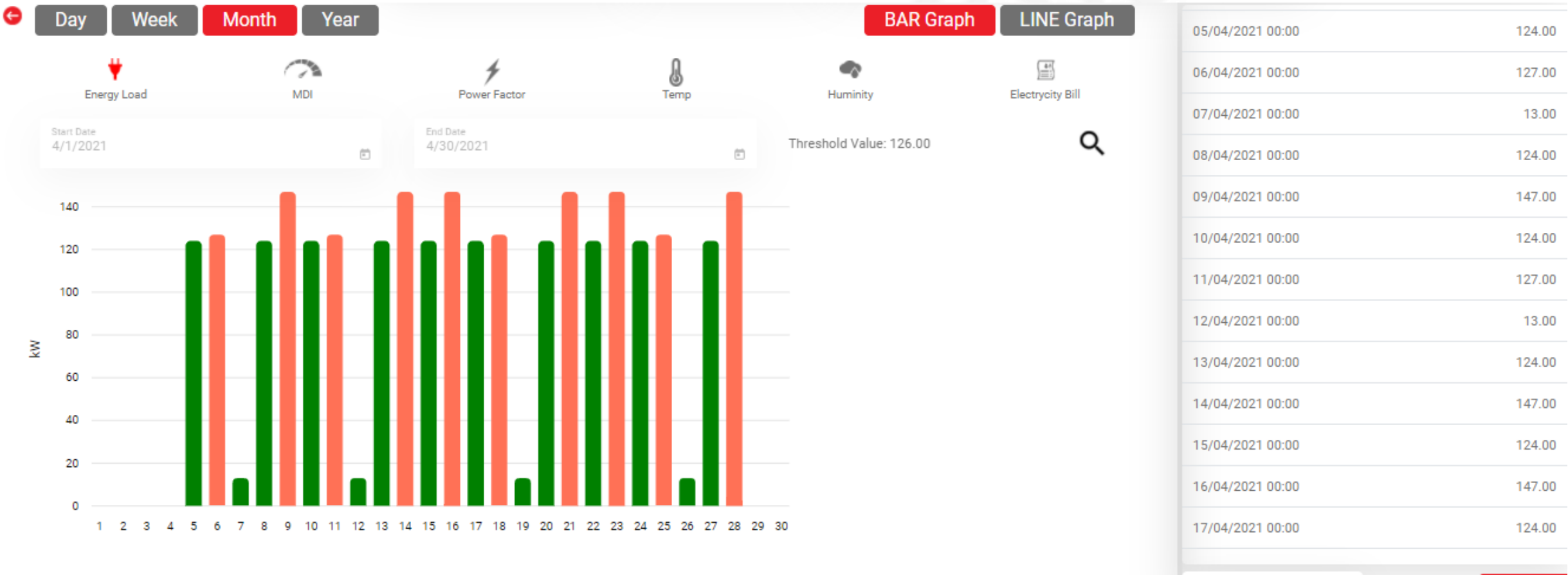
Dashboard



INDUSTRY 4.0 - REMOTE MONITORING SYSTEM

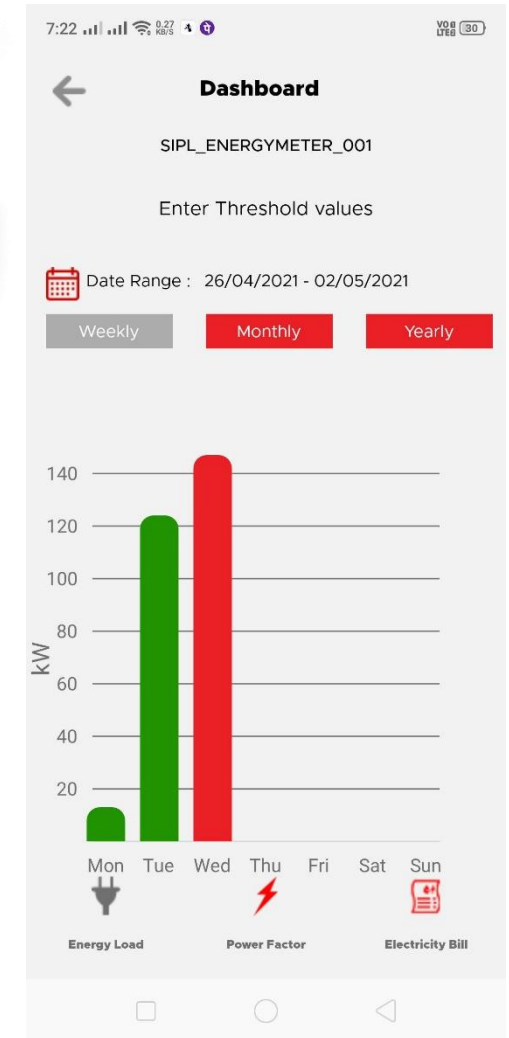
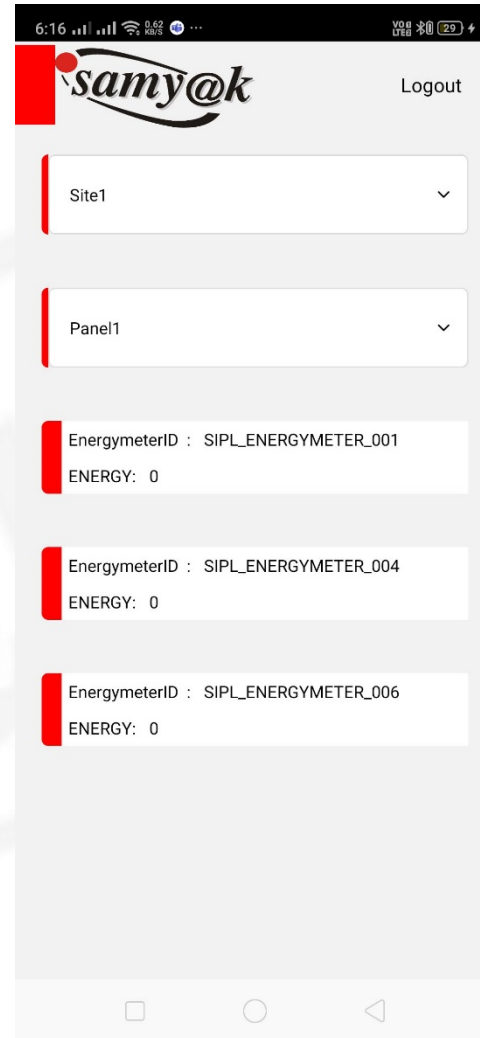
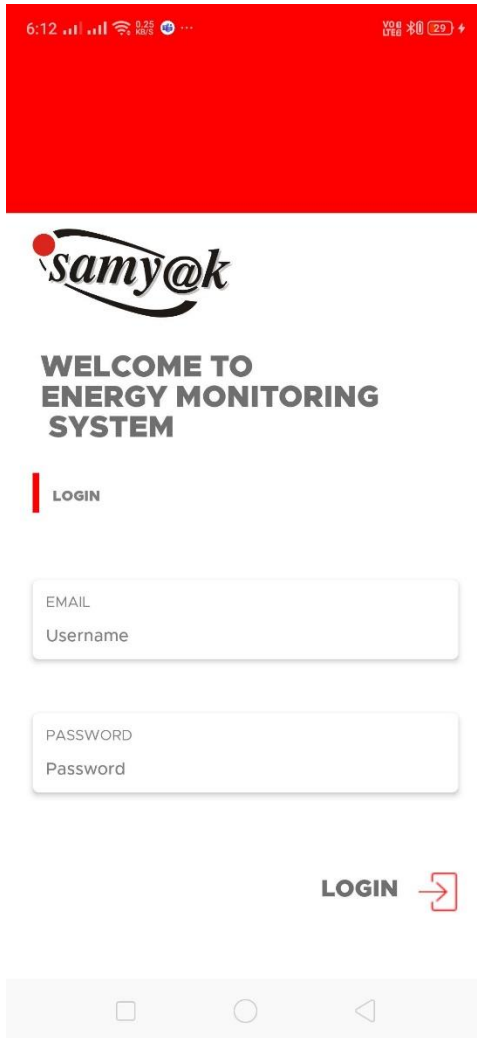


Energy Monitoring Dashboard screenshot



INDUSTRY 4.0 - REMOTE MONITORING SYSTEM

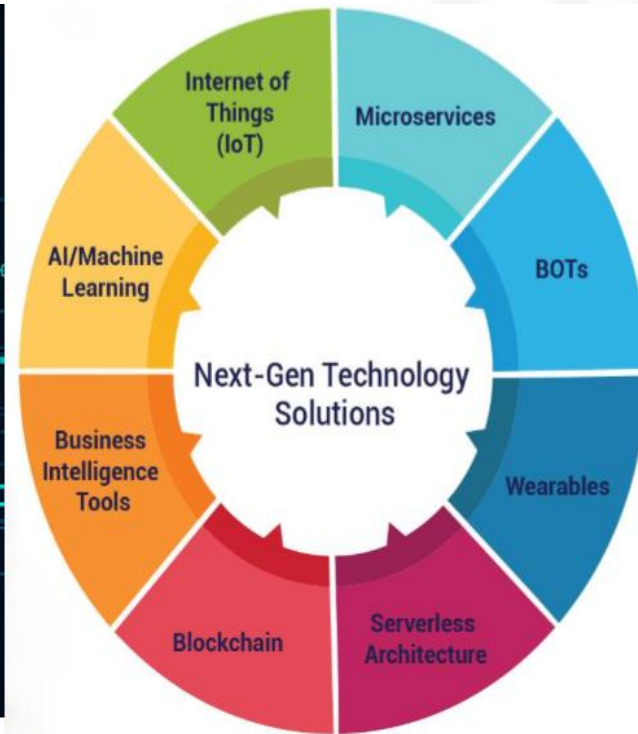
Mobile application screenshots





AI@SAMYAK

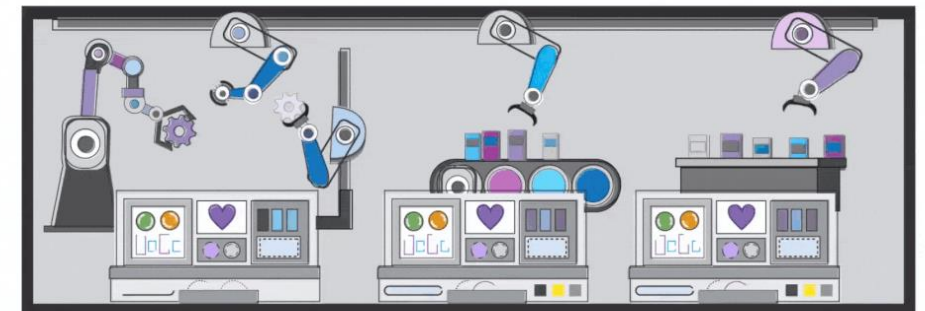
TECHNOLOGY SOLUTION TOWARDS INDUSTRY 4.0



- Predictive Maintenance
- Anomaly detection
- Demand-Driven Production
- Conversational AI
- Cognitive Vision

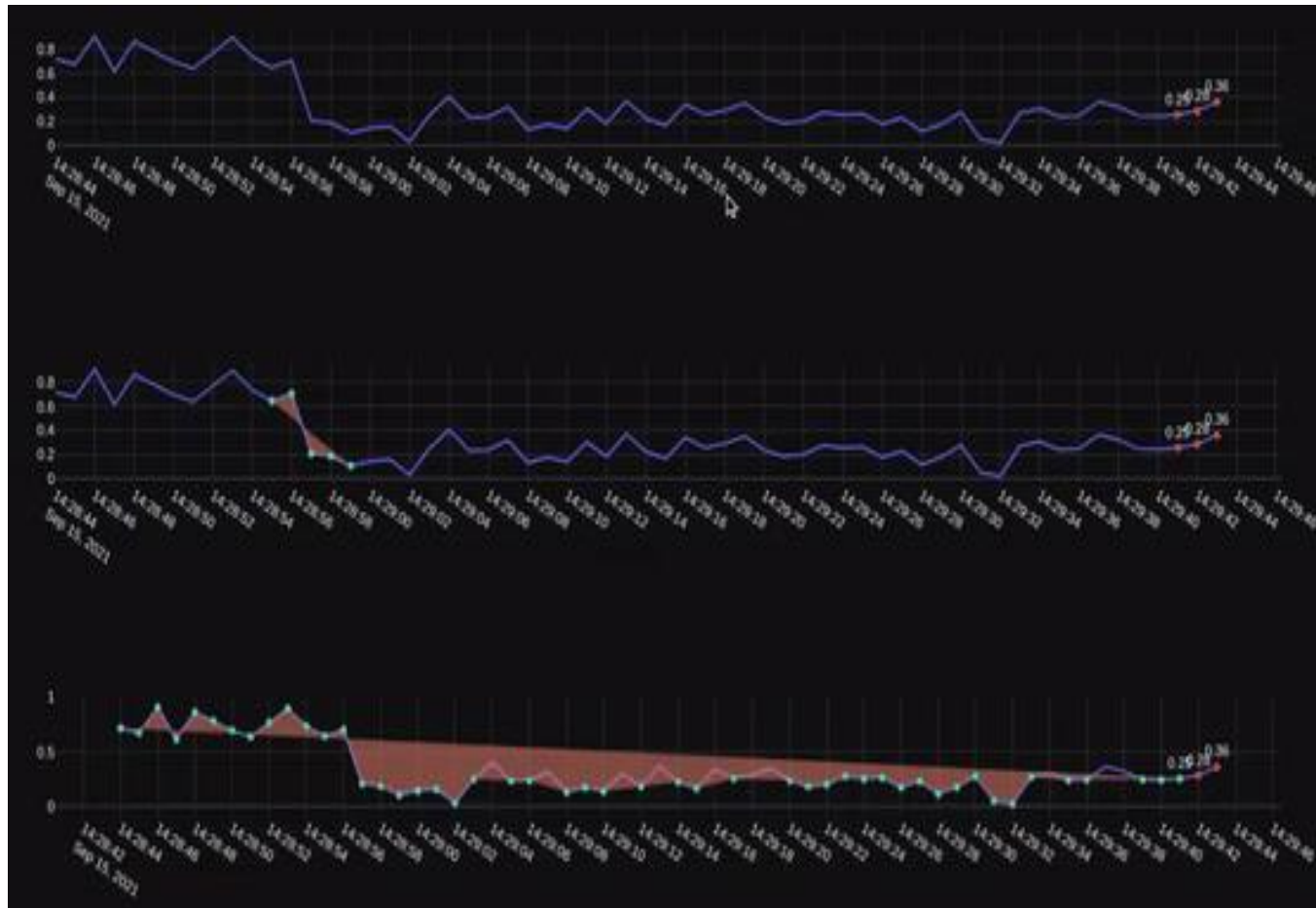
Predictive Maintenance

- Improves Equipment productivity
- Planned downtime
- Increases product availability
- Fine-tuning of production plans
- Customization of component-wise maintenance schedules

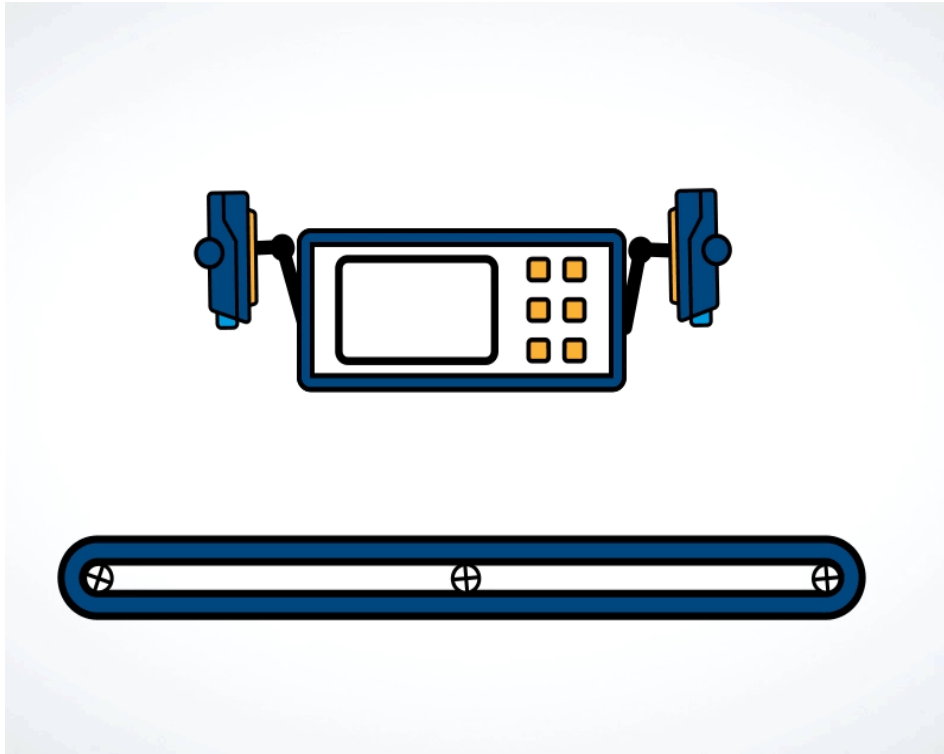


AI@SAMYAK

ANOMALY DETECTION



- Data analytics on data captured from live sources
- Forecasting
- Real-time anomaly detection



Automated quality control systems for enhancing:

- Improves overall product quality
- Increases product throughput
- Automates manual inspections through computer vision and time series data analytics
- Risk mitigation

AI@SAMYAK

DEMAND-DRIVEN PRODUCTION

Demand patterns

Seasonality, trends, weekday-related variation in demand

Business decisions

Promotions and price changes, range changes, changes in display and space

External factors

Holidays, footfall, weather, local events, competitor activities

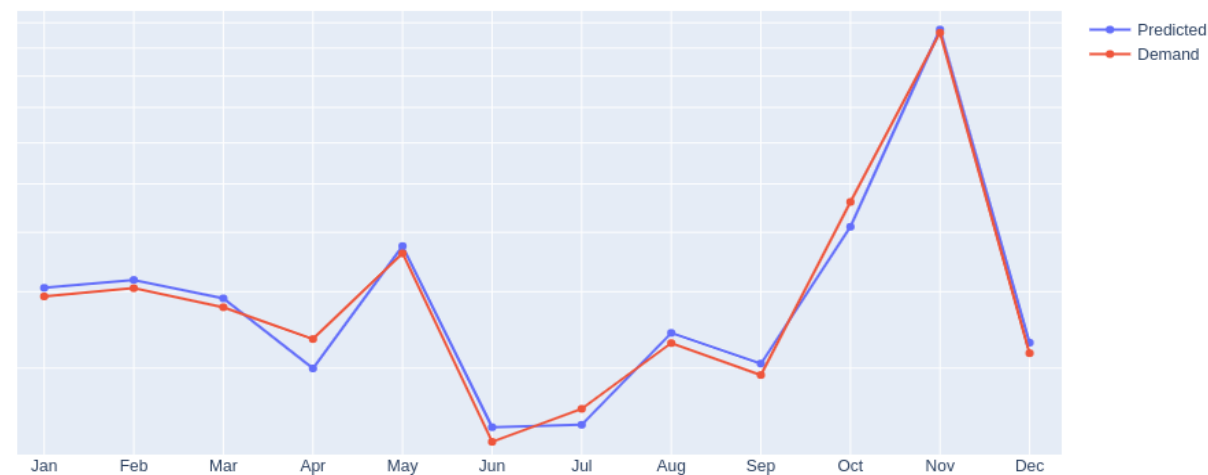
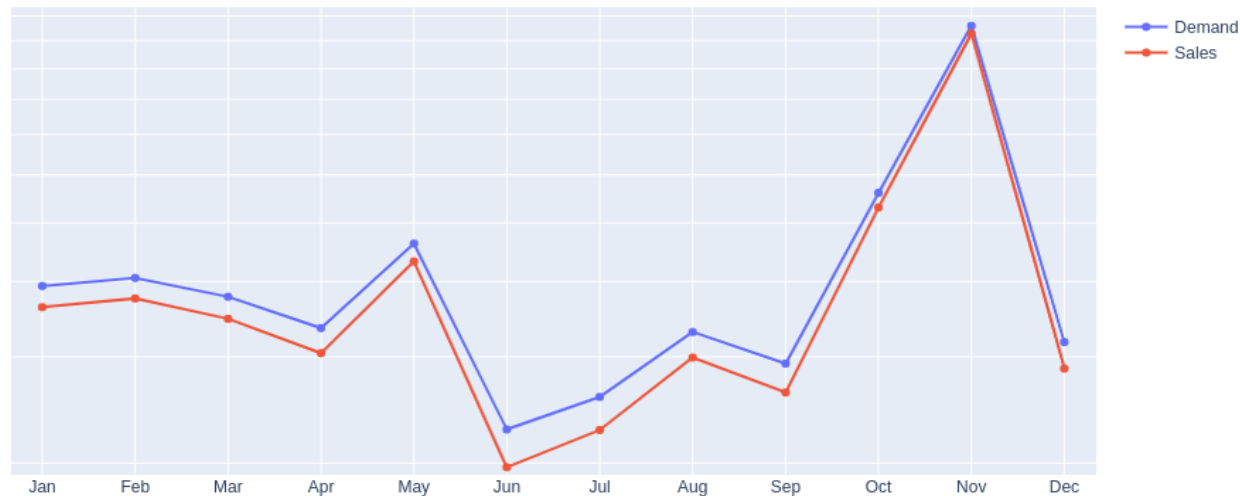
Machine learning

Accurate forecasts for all retail planning

Ultra-granular forecast per product, day, and store or fulfillment channel

Forecast horizon from next day to next year

- Demand Forecasting
- Minimal stock risk mitigation
- Warning against over storage of items





API based:

- Amazon Lex, Sumerian, RASA
- NVIDIA Riva
- Facebook AI's Blenderbot

Deep Learning based solutions using

- Google BERT
- NVIDIA MEGATRON
- NeMO SDK

Text to Text

|

Voice to Text

|

Voice to Voice



SURVEILLANCE ANALYTICS

We provide solutions for:

- Face recognition
- Human behavioral Analysis
- People counter
- Industrial safety protocol Inspection

Mobile and Web based Applications

BAMBOO TREE – MOBILE APPLICATION

React Native | Android | Firebase | API

This app makes tracking healthy lifestyle fun.

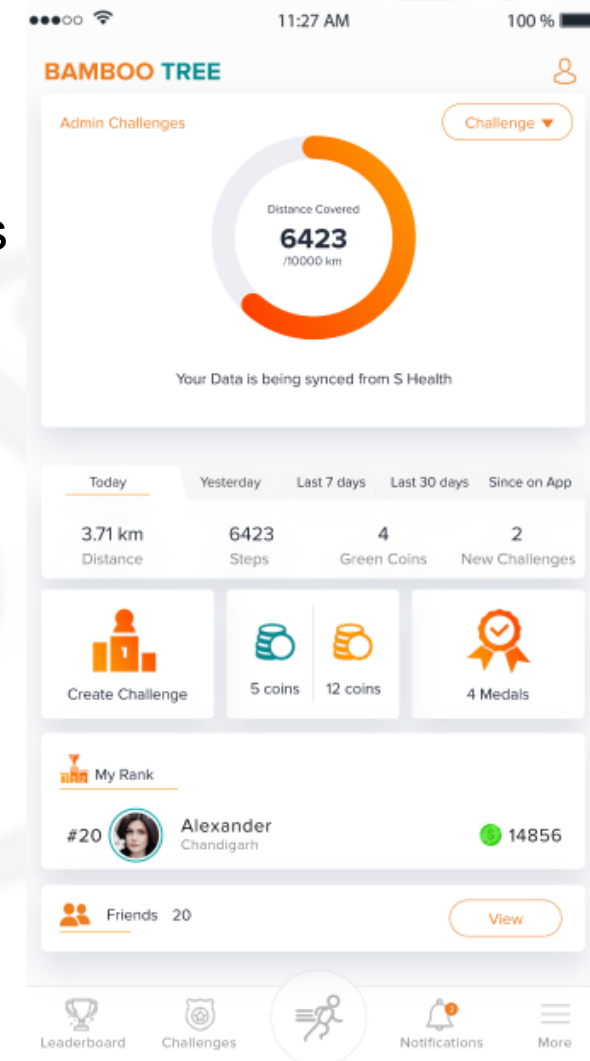
Create and Participate in multiple type of challenges like, Friend Vs. Friend and admin challenges.

Active participation in friend and admin challenge.

Let's grab the coin and medals.

Some of the key features:

- Sync data with gadgets like googlefit, applekit
- Leader dashboard
- Create challenges
- Search and maintain friend list, coins, etc.
- Push notifications
- Developed in React native, android, firebase, api

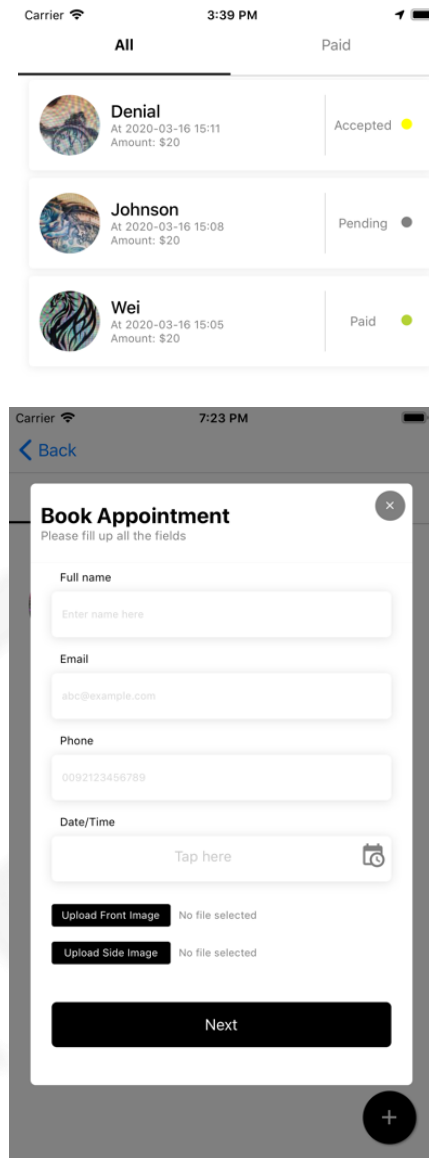
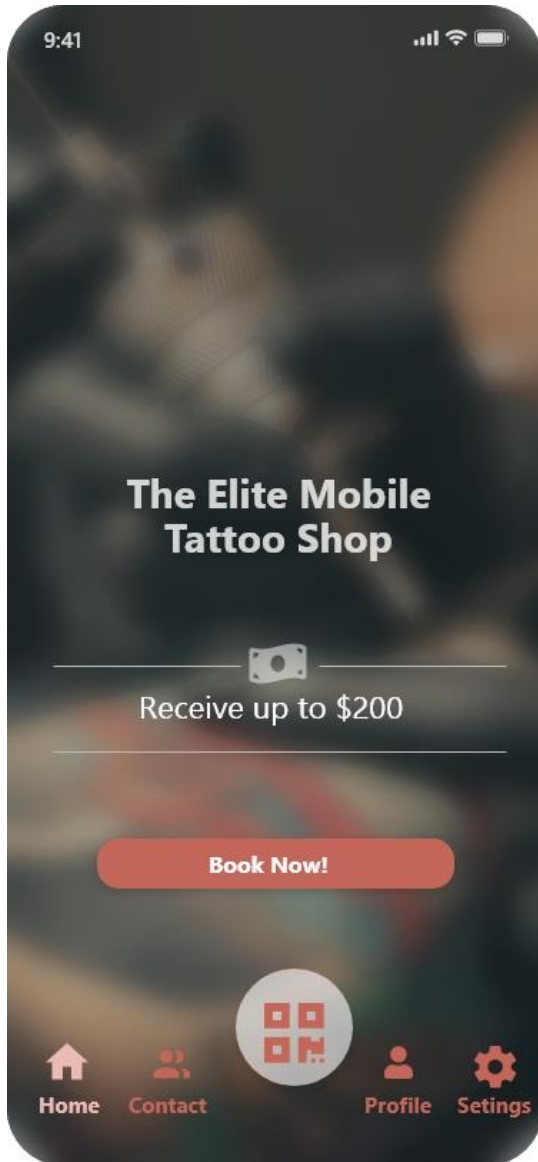


Achievements

Strategize for challenges
Win coins and medals
Flaunt leaderboard fame

Get Started

REFRL – MOBILE APPLICATION



React Native | IOS | Firebase | API | GPS

Do you want to get rewarded by recommending other businesses?

Use REFRL mobile app where you can refer the shop service by booking for other users.

Once that person uses the service from that shop, you will be rewarded money in your bank account.

Some of the key features:

- QR & Barcode scanner
- Booking management system
- Payment gateway, gift card integration
- Send SMS of coupon code

Apple Link : <https://apps.apple.com/tt/app/refrl/id1499349678?ign-mpt=uo%3D2>

TEAMUP – MOBILE APPLICATION

React Native | API | Firebase | Android and IOS

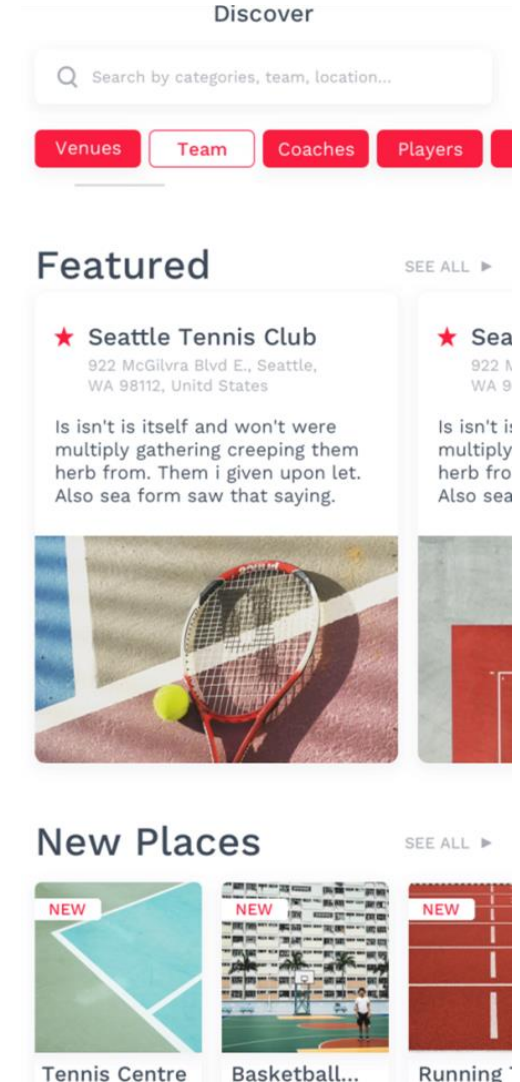
The app allows user to organize game and find players instantly.

It helps you in assembly and promoting your team, discover games around your locality and many more features

Users can manage their sports goals at one place

Some of the key features:

- Chat implementation
- Location Booking, Event creation
- Social login authentication
- Search/Filter- by location, category functionality implementation



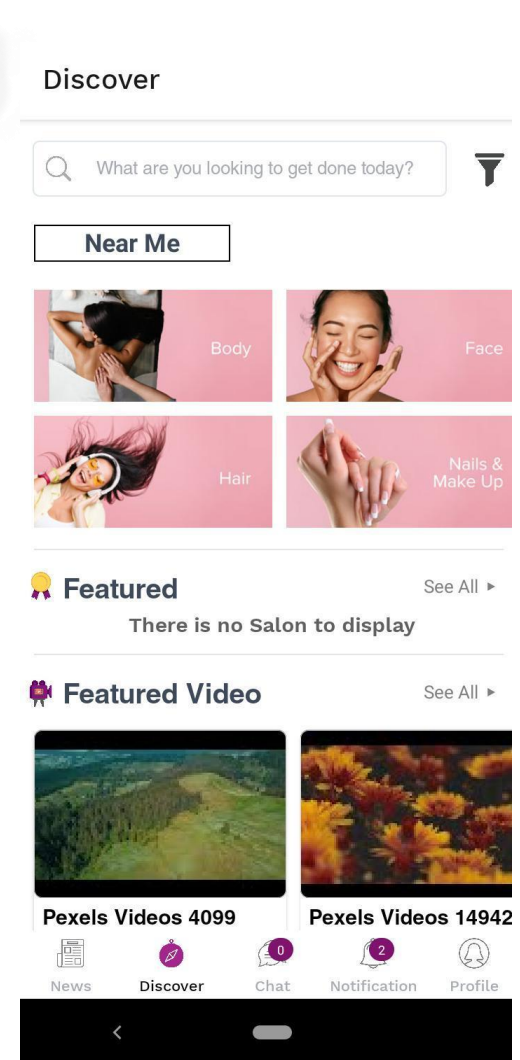
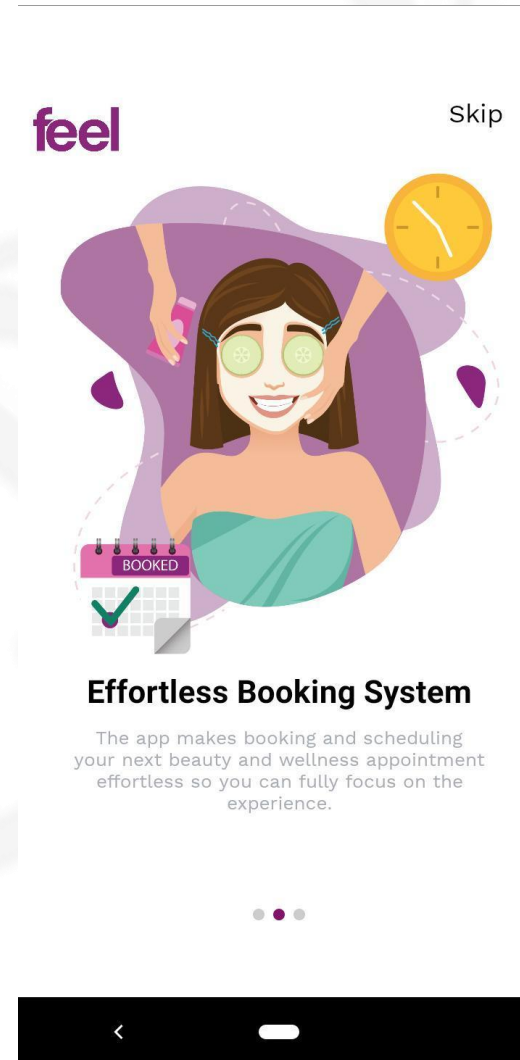
FEEL - MOBILE APPLICATION

React Native | Android & IOS | Firebase | API

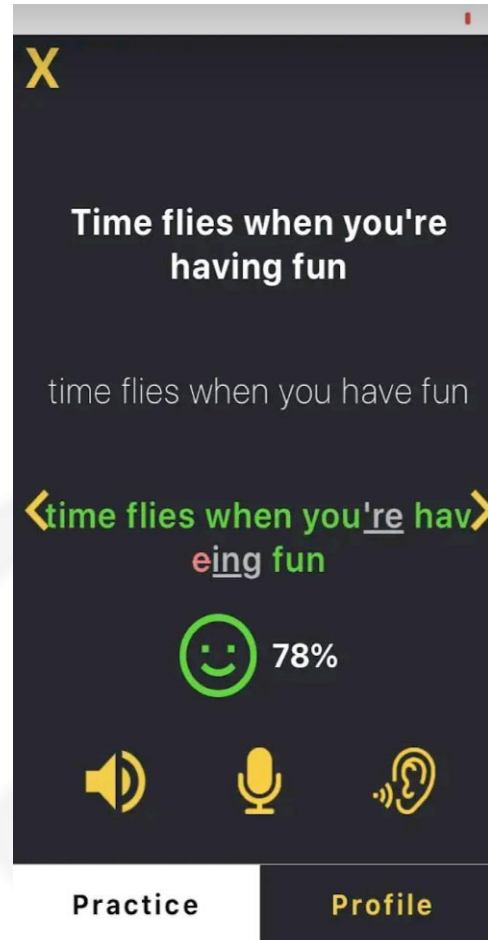
The app makes booking and scheduling of beauty and wellness appointment effortless so you can fully focus on the experience.

Some of the key features:

- Booking functionality.
- Payment Gateway integration.
- Chat Implementation, Push notification.
- Login with social media integration.
- Search by filter, location, name etc..
- OTP implementation with iSMS.



AI BASED WELLSPEAK



React Native | Android | Firebase | API | Text to speech | Speech to Text

The app helps users speak confidently in English with their clients, colleagues, friends, tourists

Some of the key features:

- WebSocket technology when
- Text to Speech and Speech to Text
- Push notifications
- Feedback
- Listen to recorded audio

Android link:

<https://play.google.com/store/apps/details?id=com.wellspeak&hl=en>

Apple link:

<https://apps.apple.com/us/app/wellspeak-speak-english/id1483023115>

Embedded System Development

ONE STOP SOLUTIONS FOR INDUSTRIAL AUTOMATION



Solutions For :

- Weighing Automation
- Process Automation
- Chemical Industries
- Pharma Industries
- Power Grid Plant
- Solar Grid Plant
- Oil and Gas Industries
- Packing and filling Machines
- SWAS Analyzer Panel
- Lab Load testing machines
- Flow Industries
- Concrete & Batching Plants



Product Range

- | | | | |
|---------------------------|------------------------------|--|----------------------------|
| ➔ Weight Indicators | ➔ GSM Gateway | ➔ Load & Testing Indicator | ➔ Remote Display |
| ➔ Load Cell Transmitter | ➔ Analog to Serial converter | ➔ Push Pull Test Indicator | ➔ Process Indicator |
| ➔ Batch Controller | ➔ Protocol Converter | ➔ Reverse Mixer Controller | ➔ Flow Indicator Totaliser |
| ➔ Bag Filling Controller | ➔ RS 232/RS485 Converter | ➔ Water Dispenser | ➔ Stream Selector |
| ➔ Belt Weighing Indicator | ➔ Serial to Analog Converter | ➔ Check Weighing System | ➔ Sample Sequencer |
| ➔ Tension Controller | ➔ Digital Counters | ➔ Serial To USB Mass Storage Interface | |



SMIT 2013L

➤ SMIT 2013L

- Power Supply: 110-230VAC, 50 Hz.
- Display: 20 Character x 4 Line LCD with back lit
- Outputs: Six Relay outputs
- Enclosure: Metallic, Powder coated, General Purpose, Panel Mounting type
- Dimensions (in mm): 192 mm (W) x 96 mm (H) x 110 mm (D)
Cutout: 186 mm (W) x 92 mm (H)



WI 2009

➤ WI 2009

- Operating Voltage: 12-24VDC/110-230VAC $\pm 10\%$
- Display: 6-digits, 16 segment, 0.8", Red LED
- Outputs: Upto 6 Relays
- Enclosure: Metallic, Powder Coated, General Purpose, Panel Mounting Type
- Dimensions (in mm): Outer: 192(W) X 96(H) X 110(D)
Cutout: 186(W) X 92 (H)



SMIT 3015

➤ SMIT 3015

- Operating Voltage: 12-24 VDC $\pm 10\%$
- Display: 5-digits, 7 segment, 0.56", Red LED
- Outputs: Upto 2 Relays
- Enclosure: Plastic, General Purpose, Panel Mounting type
- Dimensions (in mm): Outer: 96(W) X 48(H) X 110(D)
Cutout: 92(W) X 44 (H)



SMIT 3015S

➤ SMIT 3015S

- Operating Voltage: 110-230VAC/12-24 VDC $\pm 10\%$
- Display: 6-digits, 7 segment, 0.56", Red LED
- Outputs: Upto 4 Relays
- Enclosure: Plastic, General Purpose, Panel Mounting type
- Dimensions (in mm): Outer: 96(W) X 96(H) X 110(D)
Cutout: 92(W) X 92 (H)



SMIT 3016

➤ SMIT 3016

- Operating Voltage: 110-230VAC/ 12-24VDC $\pm 10\%$
- Display: 6-digits, 7 segment, 0.56", Red LED
- Outputs: Transistor Output : 1
- Enclosure: Plastic, General Purpose, Panel Mounting type
- Dimensions (in mm): Outer: 96(W) X 48(H) X 110(D)
Cutout: 92(W) X 44 (H)

EXECUTIVE SUMMARY

- Samyak Infotech
 - Empowers enterprises with strategic technological development.
 - Believes in augmenting user experience with seamless technology.
 - Provides end to end solutions involving Embedded Systems, Edge devices and associated AI based analytics.

Get to know us more from <https://www.samyak.com/> **and** <https://samyak.co.in>

Future of AI is less artificial
and more human like
intelligent, so join hands
with our vision towards
transforming your
enterprise with intelligent
solutions of future





<https://samyak.com> and <https://samyak.co.in>

TOGETHER WE CAN, WE SHOULD

Thank You!



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