

Pixcile Lab LLC

Empowering Businesses through Technology



About Us

We are an experienced IT solutions provider offering full-cycle high loaded Enterprise systems, CRM, web applications, mobile applications, Internet of Things (IoT) development , Augmented Reality and Virtual Reality .

We are proud of our experience on custom software development for various industries for clients.

Combination of software development and hardware solutions allows us to satisfy the most demanding clients. We build applications from scratch, as well as support and develop existing products.





Our Value

Mission

Our Mission is to Provide IT Solutions through a Proficient & Motivated Team using their Skills & Cutting-Edge Technology to maintain Growth & Stability to the Organization.

Vision

Make Technology an asset for Our Clients & not a Problem! Our vision is to be one of the Most Innovative IT Companies in the industry who is known for Translating Technologies into Agile Solutions which add Value to Our Clients.

Our Expertise

We provide end-to-end digital solutions for the health sector, including



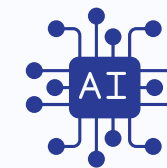
ERP Development

Custom enterprise systems for health programs, HR, logistics, and attendance tracking.



Mobile Application Development

Android and iOS apps for healthcare data collection, monitoring, training, and communication



Artificial Intelligence (AI)

Tools for predictive analytics, nutrition detection, and chatbot communication.



Augmented & Virtual Reality

Interactive learning tools for health workers and the community



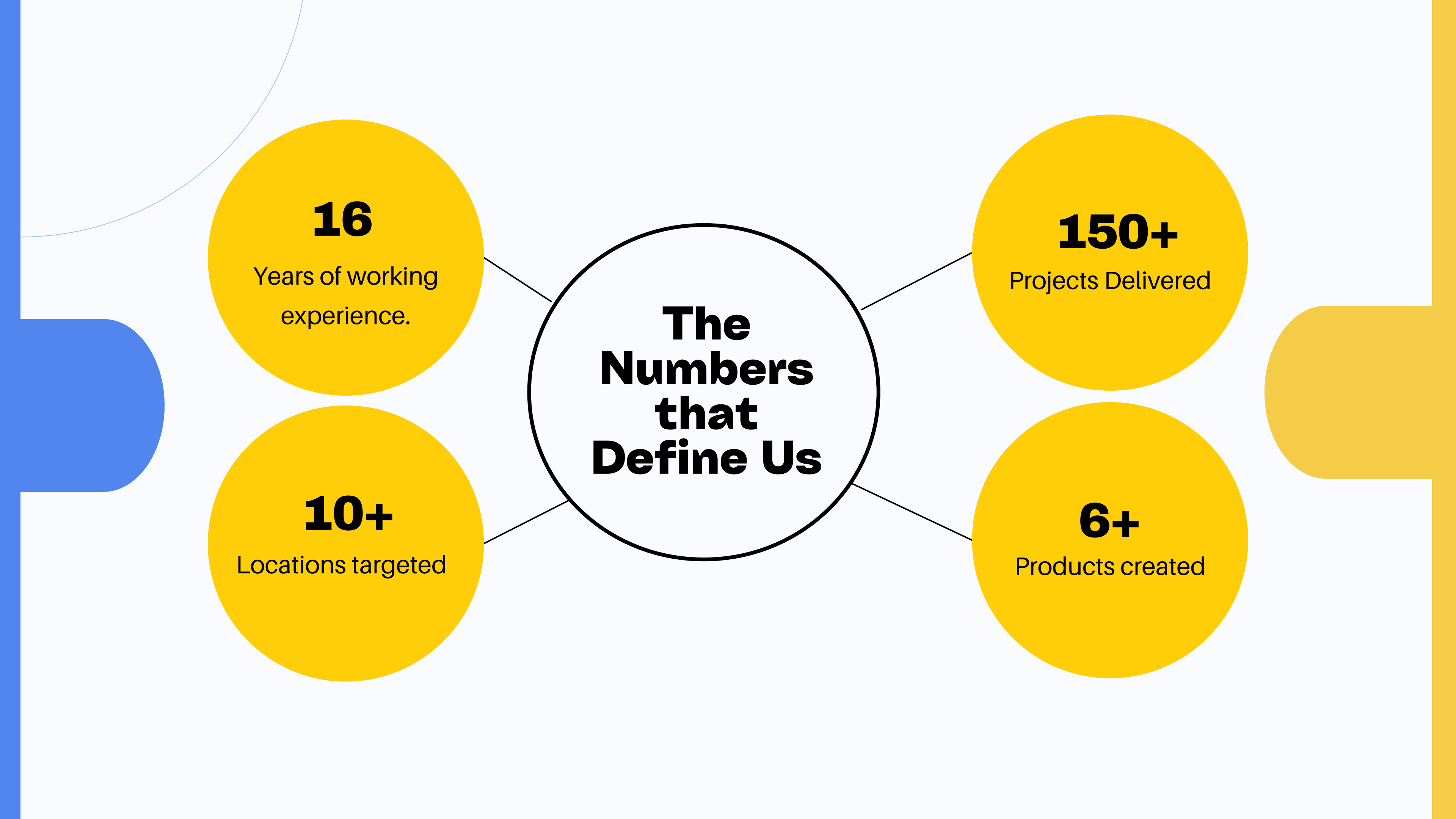
Real-Time Data Integration

Seamless connectivity with Epicollect5, REDCap, and other tools for live data dashboards.



Survey Form Design

Customized digital forms for health data collection with GPS, media, and validation logic.



The infographic features a central white circle with a black border containing the text "The Numbers that Define Us". Four yellow circles are arranged around this central circle, each connected to it by a thin black line. The yellow circles contain the following text: "16 Years of working experience.", "150+ Projects Delivered", "6+ Products created", and "10+ Locations targeted". The background is white with blue and yellow decorative elements on the left and right sides.

The Numbers that Define Us

16

Years of working
experience.

150+

Projects Delivered

10+

Locations targeted

6+

Products created



Our Products

360 Attendance / Monitoring System

A robust Field Management System for live attendance tracking using facial recognition, GPS verification, and offline support—ensuring transparency and accountability for on-ground health workers.

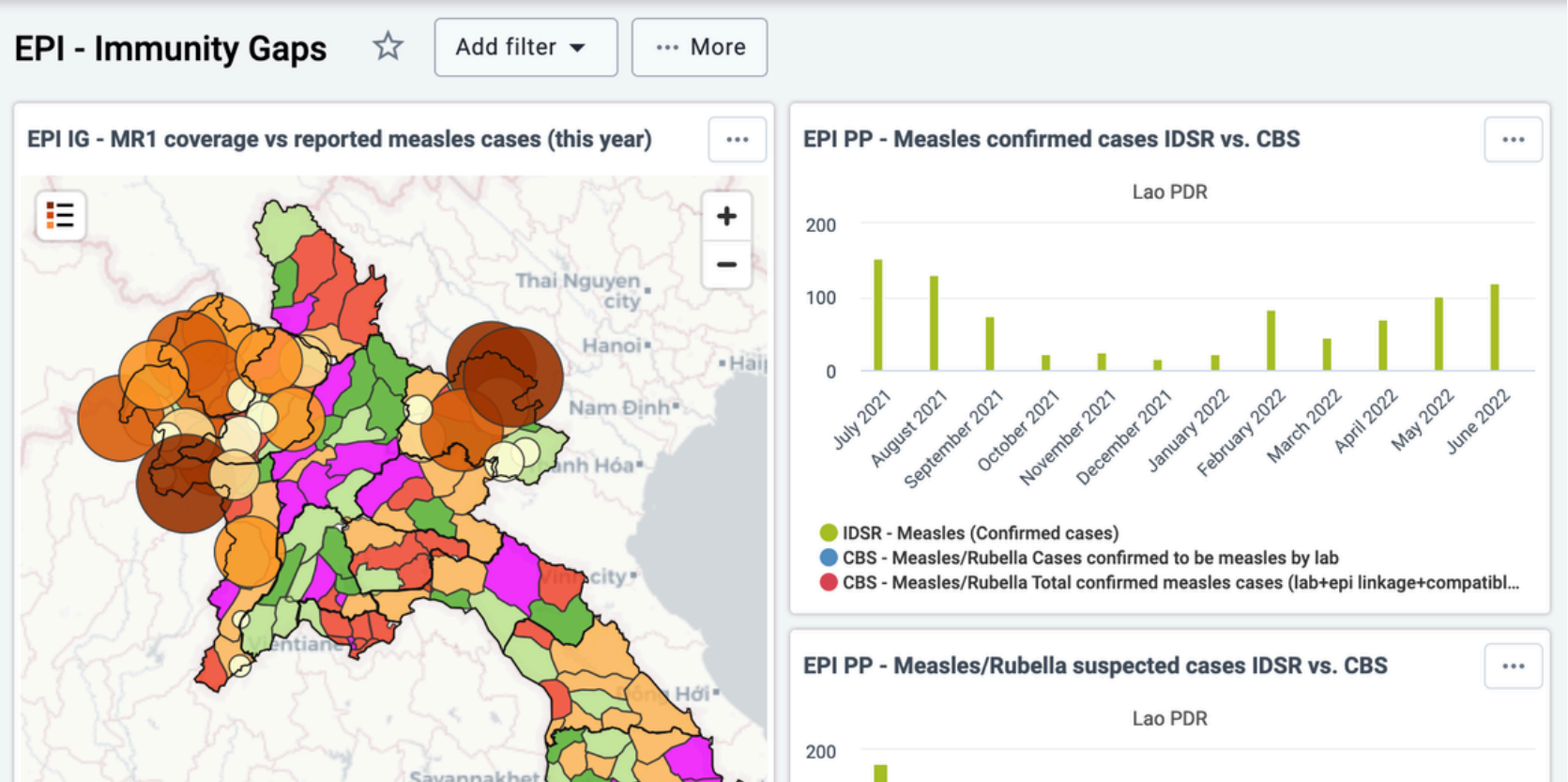


Survey360

A robust Field Management System for live attendance tracking using facial recognition, GPS verification, and offline support—ensuring transparency and accountability for on-ground health workers.

Data Collection 360

An Android-based data collection tool tailored for field researchers and healthcare workers with live sync to cloud dashboards, media capture, and instant analytics.

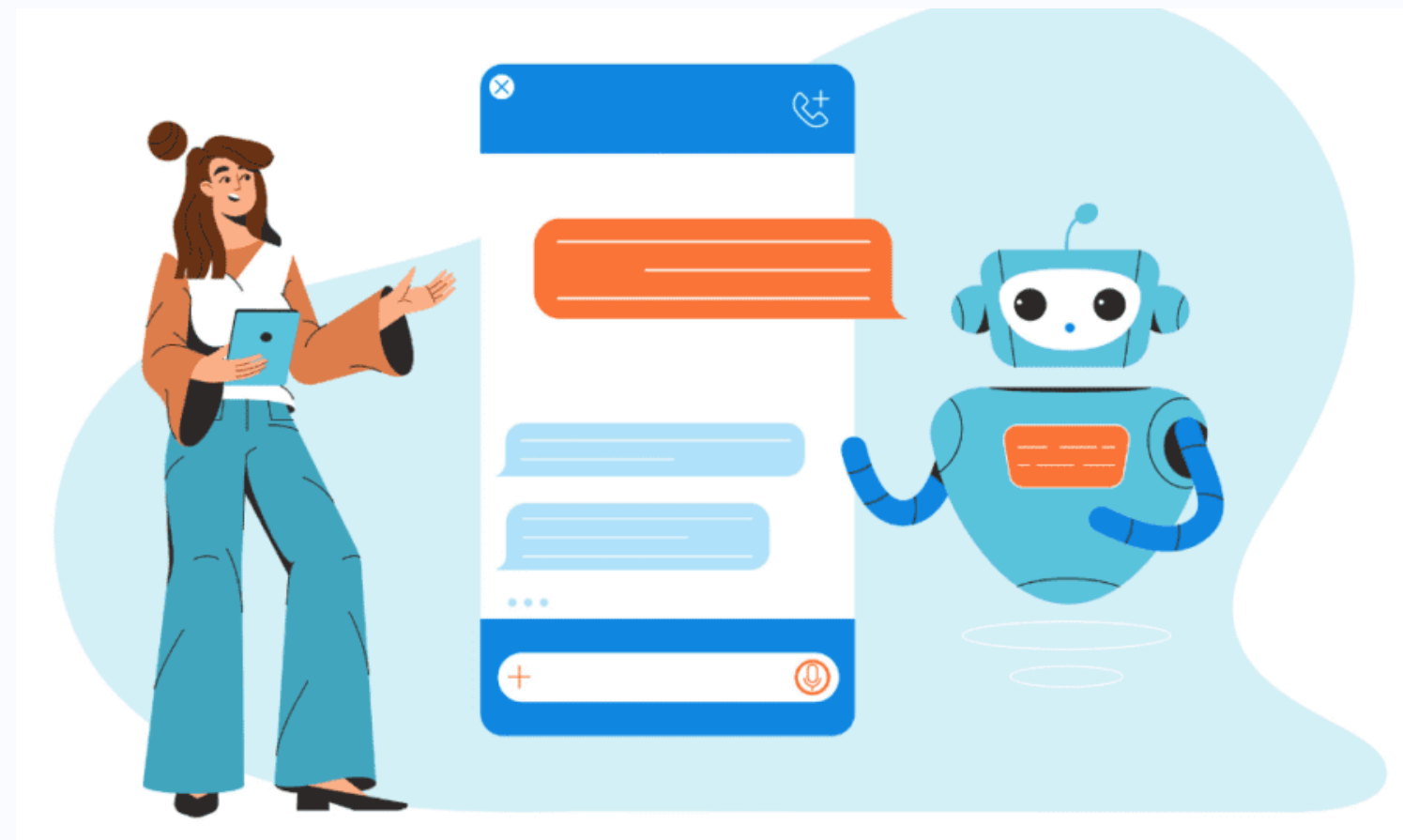


Dashboard Designing

Custom-built dashboards to visualize data from various sources in real-time, supporting decision-makers with meaningful insights and automated reporting.

WhatsApp Broadcaster

An automation tool that sends bulk health awareness messages to communities via WhatsApp in multiple formats (text, image, video, audio, PDF)—improving outreach and engagement.



Chatbot System

Custom-designed WhatsApp chatbots to provide instant responses, vaccine reminders, health tips, and interactive support to caregivers and communities.

Patients Que Management

Our software streamlines patient management by issuing printed slips for queues and can be embedded in kiosks or desktop computers with an attached thermal printer. It also features a detailed dashboard for real-time tracking of patients.

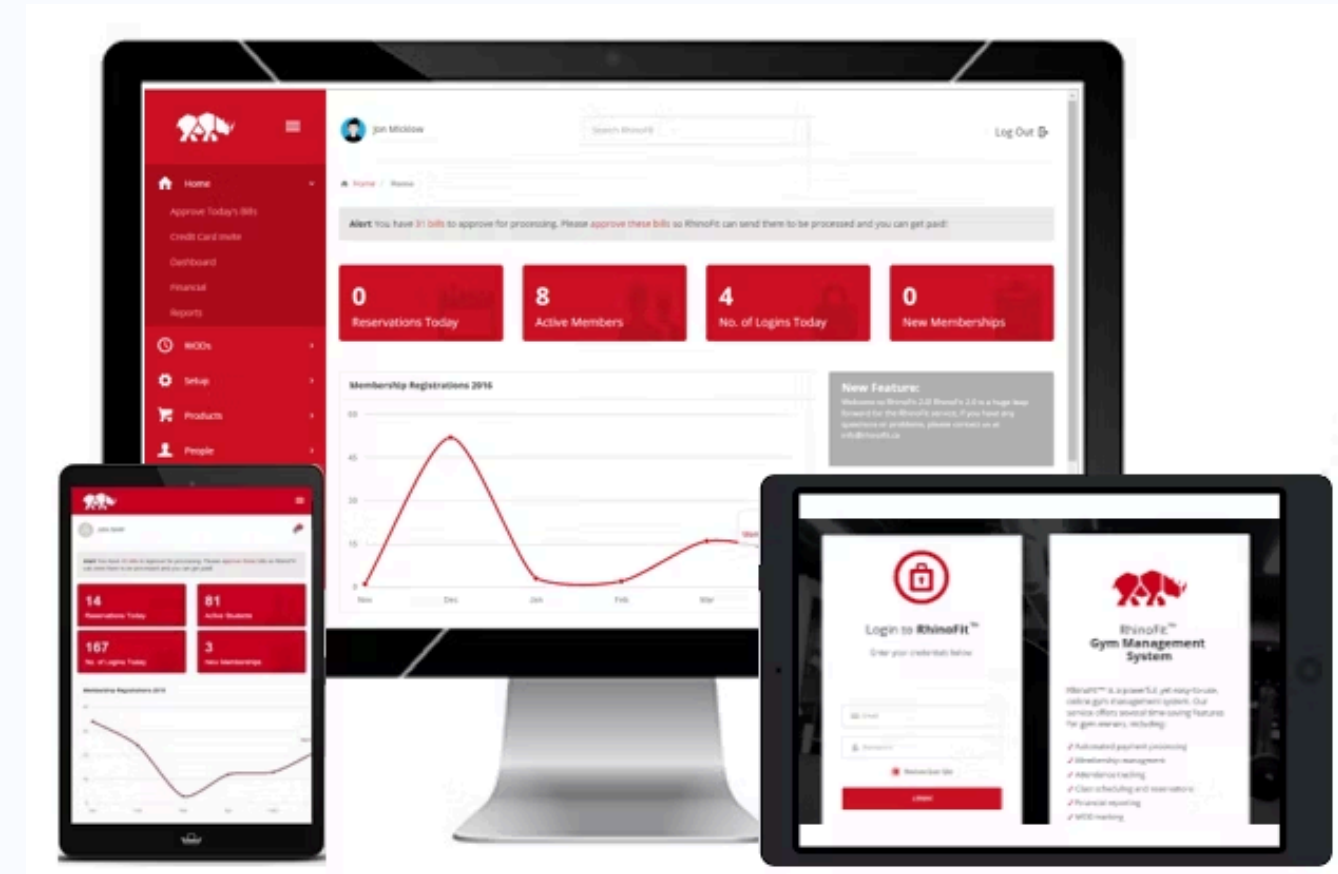


Dynamic QR

Our product offers a seamless solution for generating QR codes and managing their navigation. With our system, there's no need to reprint QR codes whenever you want to update the URL on your books. Simply generate a QR code once and easily change the URL multiple times, streamlining your updates and saving resources.

GYM Management

Our gym management software automates both member and admin operations, from registration to gym access via turnstiles or magnetic locks. It simplifies fee collection through monthly alerts, ensuring seamless management and efficiency.

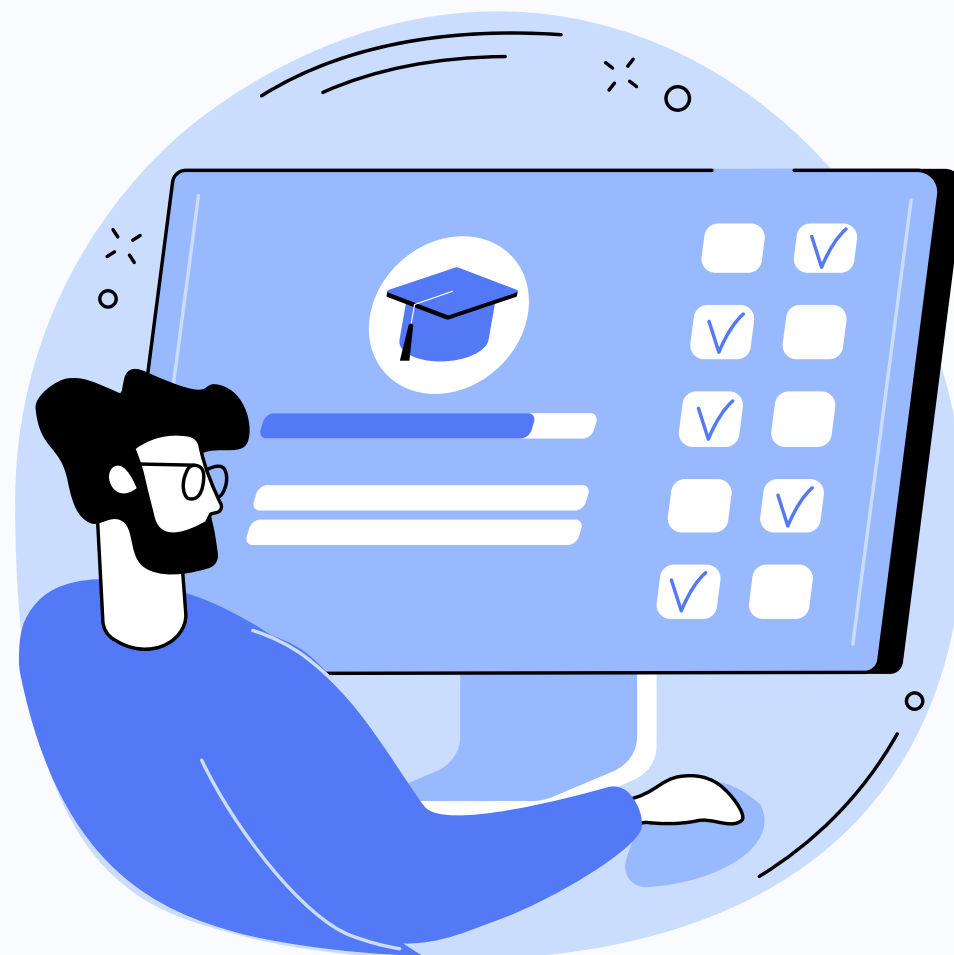
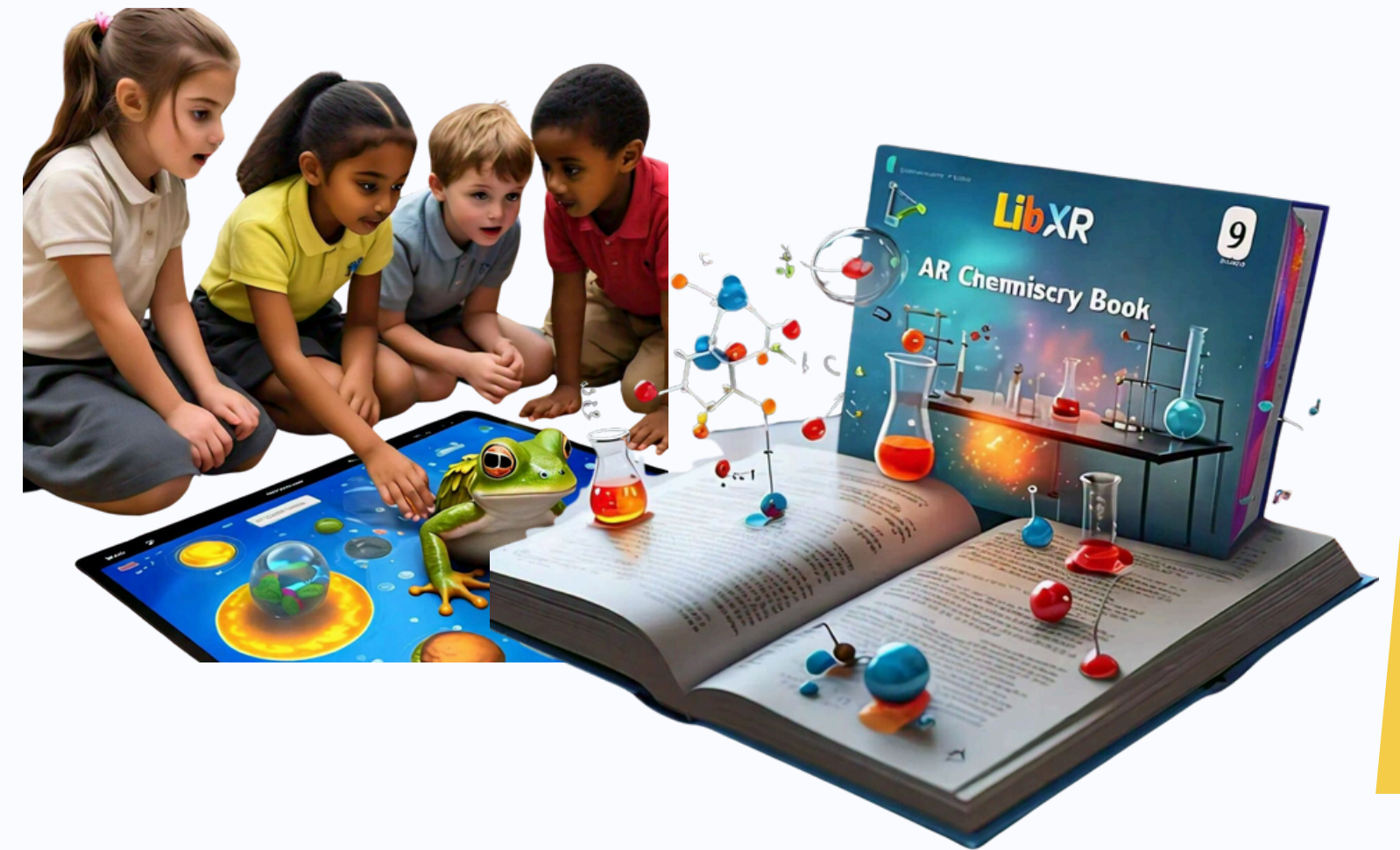


AI powered KIOSK - VMS

Our product, VMS (Visitors Management System), automates visitor registration and issues temporary passes for smooth check-ins and checkouts. Powered by AI, it can block access after a set time and uses a block list to prevent unauthorized entry. The detailed dashboard allows for real-time visitor tracking, and you can download pre-compiled reports in PDF and Excel formats for streamlined management.

LibXR

LibXR is an AR-powered edTech product designed to boost kids' interest in learning materials through interactive technology. By allowing children to engage with virtual objects directly on their books and hands, LibXR makes learning both fun and immersive. This 3D experience captivates young learners, enhancing their educational journey with excitement and innovation.



Exam360

Exam360 is a comprehensive solution for managing quiz-based exams and attendance, tailored for coaching centers and training institutes. It facilitates both online and on-premise exams, offering detailed result reports and individual KPI insights.



Our Projects

WhatsApp Automation – Immunization Reminder System

Problem:

Caregivers often miss their children's vaccination appointments due to lack of timely reminders and awareness.

Solution:

Pixcile Lab developed a WhatsApp automation system to send personalized messages to thousands of caregivers, reminding them about upcoming immunizations, follow-up visits, and sharing vaccine-related educational content.

Impact:

- Deployed with Aga Khan University
- Over 2.5 million+ messages sent to parents and caregivers
- Significant improvement in timely vaccinations and caregiver responsiveness
- Low-cost, scalable solution for public health communication



Messages sent
2.5 MILLION

Deployed At
AKU

Live Vaccinator Attendance System

Problem:

Manual attendance of vaccinators leads to inaccuracies, fraud, and ghost entries, especially in large immunization campaigns.

Solution:

A real-time, mobile-based attendance system was developed to ensure authentic field staff presence using facial recognition, live photo capture, and GPS tagging

Impact:

- Deployed across 33 immunization centers in Karachi with AKU
- Ensured accountability and reduced fake attendance
- Improved workforce management
- Useful for real-time monitoring by supervisors and health departments



Staff
300+

Deployed At
AKU

HIMS – Health Information Management System for Rural Hospitals

Problem:

Many small hospitals in rural Pakistan rely on manual systems for patient records, resulting in poor documentation, delays, and data loss

Solution:

Pixcile Lab created a custom HIMS tailored for low-resource settings. It automates patient registration, medical history, treatment plans, and reporting.

Impact:

- Implemented in hospitals across Balochistan with Zavia Health System
- Enhanced patient care through better recordkeeping
- Reduced paperwork and human error
- Provided real-time health data for decision-making



Patients Enrolled
50K+

Deployed At
**ZAVIAH
EALTH**

Mazboot Bunyad – Nutrition and Immunization Tracker

Problem:

Pakistan faces a high burden of malnutrition and low immunization coverage, especially among children under five. No unified system existed to track nutrition and immunization status at the community level.

Solution:

Developed Pakistan's first digital child nutrition registry integrated with immunization records. The tool tracks growth metrics (MUAC, weight, height), flags SAM/MAM cases using AI, and schedules follow-up visits.

Impact:

- Deployed with AKU and community health programs
- Monitors growth of thousands of children
- Supports early detection and intervention for malnutrition
- First national-level digital SAM/MAM registry powered by AI



Kids Enrolled
200K+

Deployed At
AKU

Vaccine Hesitancy Toolkit

Problem:

Vaccinators often struggle to handle refusals in the field due to a lack of behavioral insights, communication skills, and structured guidance.

Solution:

A mobile application that enables vaccinators to

- Log refusals in real time
- Tag root causes (e.g., religious, fear, lack of awareness)
- Receive instant behavioral response tips based on refusal type
- Report challenges directly to supervisors

Impact:

- Enhanced capacity of field vaccinators
- Improved understanding of refusal patterns
- Provided program managers with real-time data to design advocacy campaigns



Vaccinators Enrolled
100+

Deployed At
ZAVIA

Dynamic QR Management

Problem:

The issue was that publisher had to print thousands of books each time a QR code needed to be updated to link to a different webpage or video. This process was inefficient, cumbersome and costly.

Solution:

A Web portal that enables to

- Generate a QR code once, with the flexibility to update the linked URL anytime.
- This eliminates the need for reprinting physical materials, saving time and resources.

Impact:

- Saved costs on re-printing
- Reduced time to relaunch books
- Conserved paper by avoiding reprints
- Accelerated delivery of updated content to students



Books Created
300+

QR Codes Generated
2000+

Multi-Biometric Device Integration

Problem:

The client faced a challenge with managing five biometric devices from different brands, each requiring separate cloud services to access logs. This resulted in the cumbersome task of manually merging all reports into a single document.

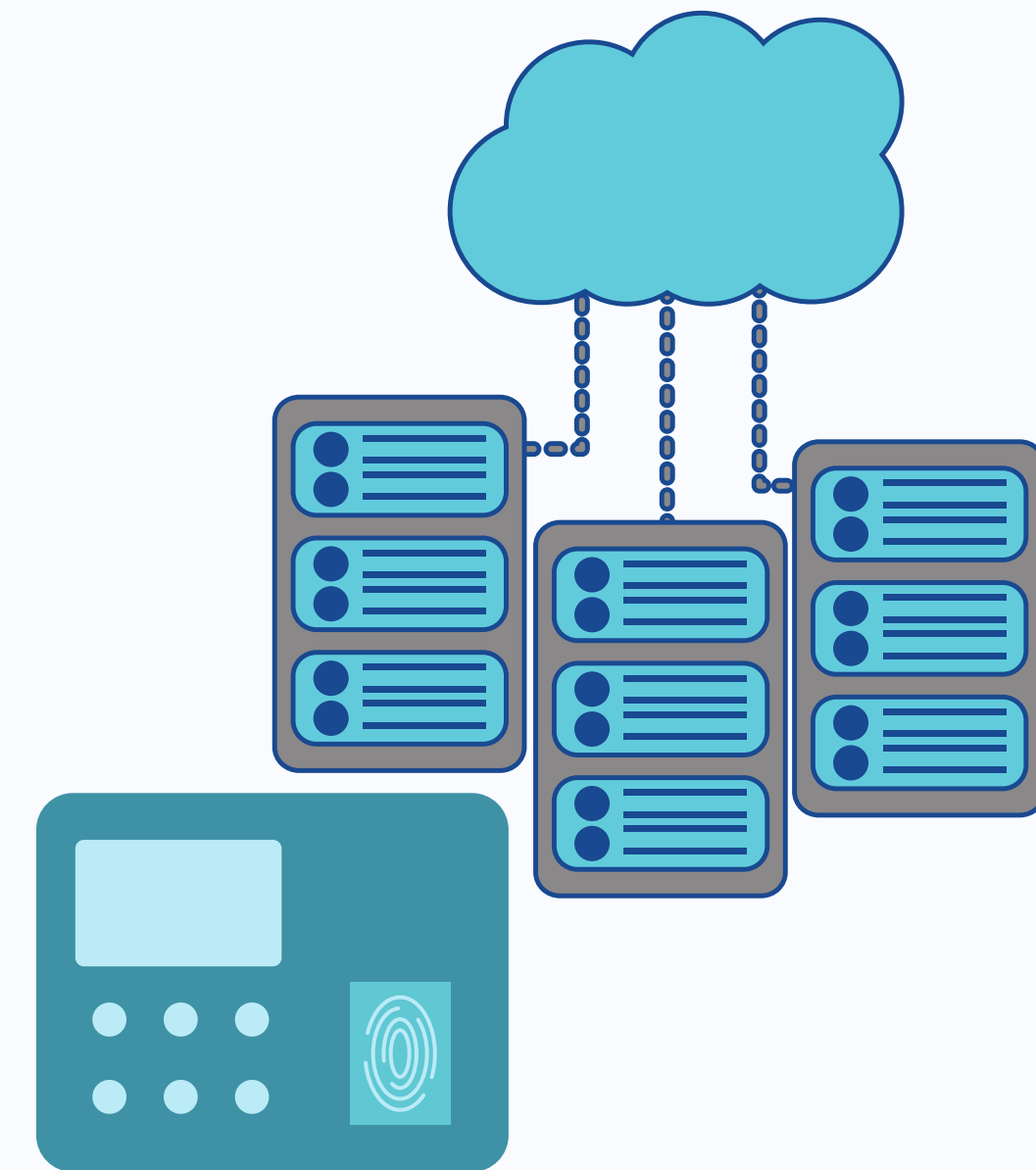
Solution:

Solution includes:

- A web portal with a centralized ERP system.
- Supports attendance logs from five different biometric devices, auto-merging data in a central database.
- Provides easy, one-click downloadable reports.

Impact:

- Significant time savings by eliminating the need to navigate through five different devices.
- 50% reduction in effort, streamlining processes and increasing efficiency.



Locations targeted

300+

Devices

600+

AR powered Boarding Games Table Try-on Applicaion

Problem:

The problem was that users were unsure how the expensive tables would look in their space. After purchasing and placing them, if the tables didn't fit well, they had to go through the hassle of returning the tables to the store for an exchange.

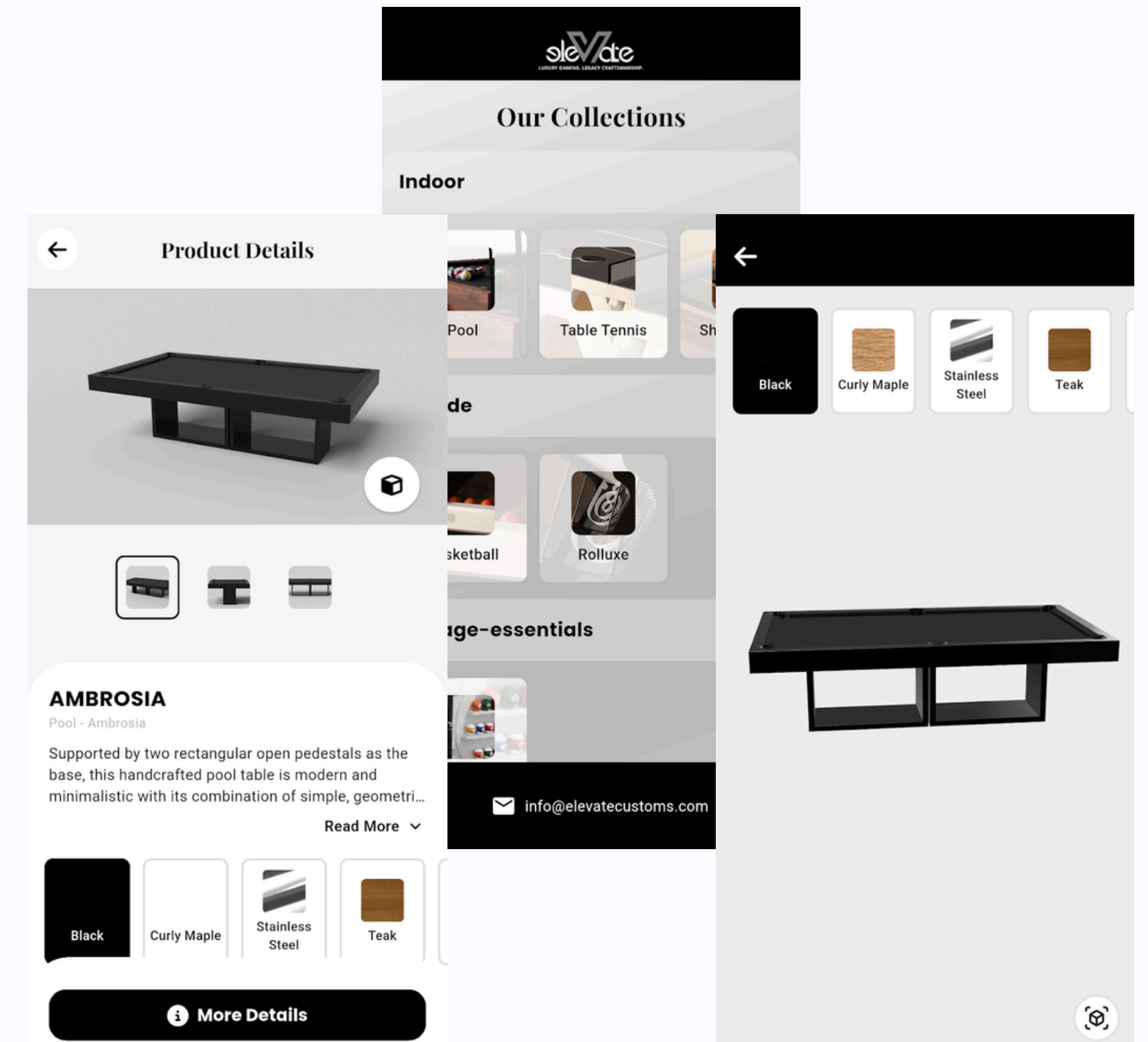
Solution:

Solution includes:

- A try-on mobile application that allows users to view 3D tables in their own space, helping them decide which table will look best before making a purchase.

Impact:

- Created a significant financial impact by saving thousands of USD, as users are assured before purchasing any board game table.
- Increased application users by offering a try-before-you-buy feature, enhancing user confidence and satisfaction.



Products Mapped
300+

Deployed At
**ELEVATE
CUSTOMS**

AR powered Interactive 3D Coin App

Problem:

Children are naturally curious and learn best through interaction, but museums often house traditional and ancient artifacts that are too delicate to handle. This limits the ability of kids to engage directly with these items, potentially affecting their learning experience. An effective solution is needed to allow children to interact with these exhibits in a safe and educational way.

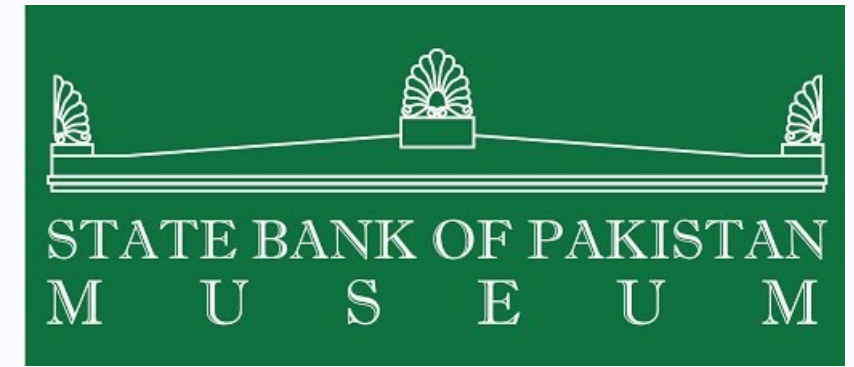
Solution:

Solution includes:

- The solution features an AR-powered 3D coin app that lets kids scan and view coins in their palm, enabling interactive learning in a fun and engaging manner.

Impact:

- Increased children's visits to the coin section in the museum.
- Enhanced children's engagement with museum items.



Coins Mapped
100+

Deployed At
**STATE BANK
MUSEUM**

AI powered Fitness Coaching App

Problem:

The issue is that the internet's vast data can be overwhelming when choosing the right diet and exercise routine, leading to confusion. It's crucial to find a relevant and effective plan tailored to your needs.

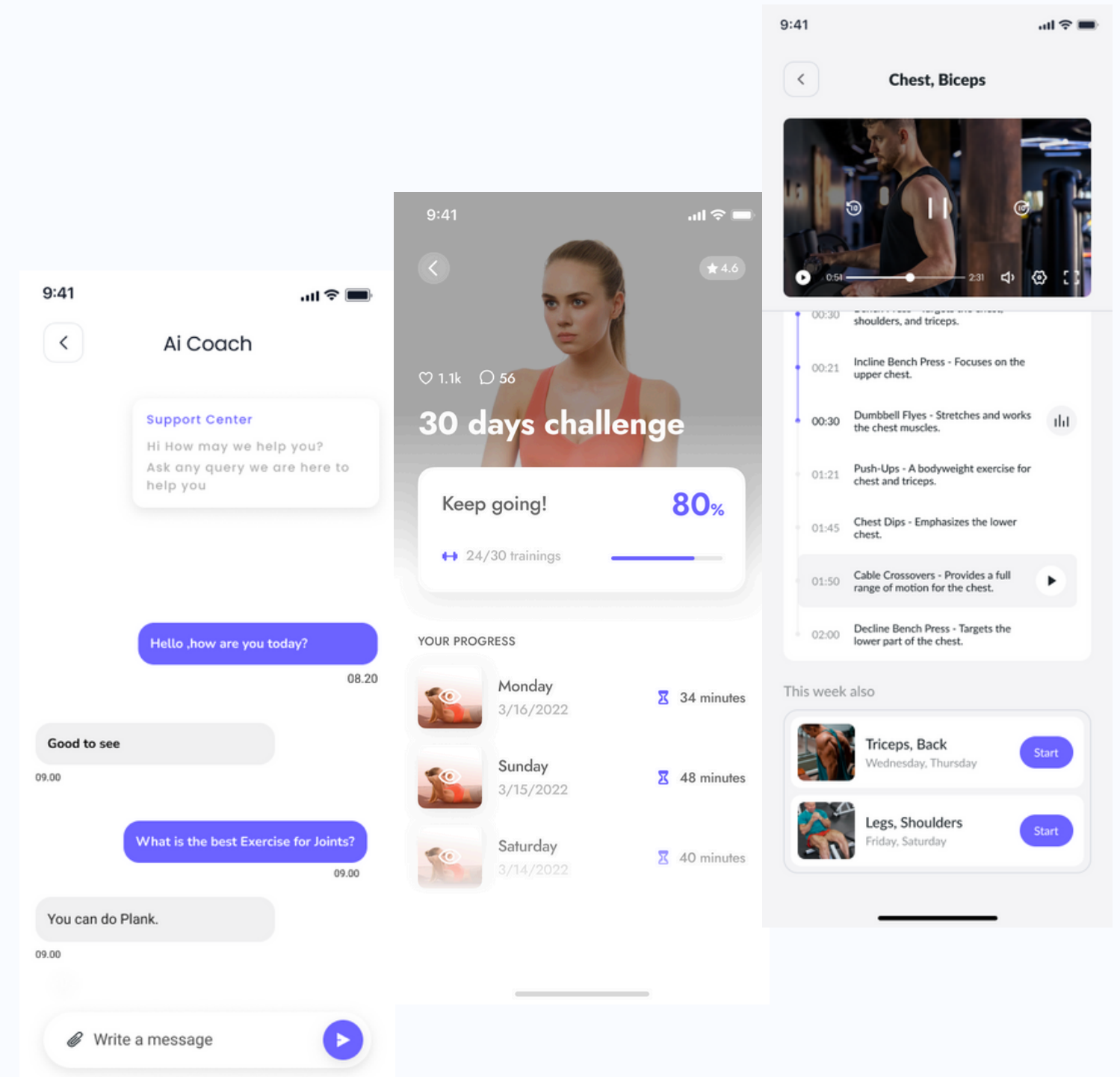
Solution:

Solution includes:

- AI-powered fitness app that offers personalized consultancy based on user data, including weight, height, and other stats.
- Dynamic exercise scheduling, providing users with full control over their fitness routine.
- Extensive video library for detailed coaching and guidance.

Impact:

- More users downloaded the app in the fitness domain.
- Quick AI chatbot replies ensured users received data when they needed it.
- Personalized exercise plans motivated users to follow a daily gym routine.



App Downlaods
500K+

Deployed At
WYZFIT



Technologies
we worked on



Flutter



Unity



SharePoint

IMMERSAL[®]



Google Cloud



FlutterFlow

WIX



shopify

Let's Connect With Us!

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