QUYTECH®

every business/product
/challenge/vision/
mission

UNITED STATES
UNITED KINGDOM
INDIA

needs
the right
team.

# What's inside



Key Customers & Partners

What We Do

The Team

Innovation-Centric Approach

Case Studies

# The Quytech Story

Quytech is a digital dreamweaver with a vision to transform industries with the right technology. Inspired by the Vietnamese word "Quy," meaning "precious", Quytech's name reflects its commitment to creating valuable and innovative technology.

Back in 2010, when the digital landscape was still uncharted territory for many businesses, Quytech stepped in as a guiding light, offering its technical expertise and domain knowledge to illuminate the path toward technological integration.

Powered by AI, blockchain, and other emerging technologies, the intelligent apps and solutions we develop speak volumes as they consistently meet our client expectations and set the universally defined benchmark of quality, performance, security, and productivity within the industry.

**1000+**
Projects Delivered

**200+**
Developers

**14+**
Years of Existence

**98%**
Satisfied Clients

# Our Services

**QUYTECH®**

## UI/UX Design
Mobile UI Design
Advanced UX
Front-end Development
Redesigning an App

## Cloud Computing
Cloud Management
Strategy & Assessment
Lifecycle Management

## Enterprise Mobility
SaaS Product Development
Custom CRM Development
Mobile POS
B2B eCommerce Solutions

## AI & ML
Generative AI
Image Labelling
Text Decoding
Video Annotation
Predictive Analysis
Statistical Modelling
Data Management

## AR & VR
AR-based Game Development
Web-based AR
3D Digital Imaging
Interactive App for Training

## Blockchain
Smart Contracts
Defi Development
Dapps Development
CEX & DEX Development
Wallet Development
NFT Marketplace Development
NFT Development
Private Blockchain Development
ICO/IDO/NEO
WEB3 Marketing

## Mobile App Development
Native iOS
Native Android
React Native
Flutter App

## Web Development
Progressive Web Apps
Core Services
Custom Web Apps
E-commerce Solutions
Web 2.0/3.0 Websites

## Metaverse
Customizable Avatars
Teleporting
Customizable Virtual Goods
Work Automation

## Staff Augmentation
IT Staff Outsourcing
Dedicated Development Teams
On-Demand Expertise
Short & Long-Term Engagements

# Our Valuable Clients

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# Our Expertise in Technology

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## Mobile App Development

- Swift
- Kotlin
- Xamarin
- React Native
- Flutter

## Front-End

- Vue.js
- React
- Javascript
- Angular
- Next.js

## Back-End

- Golang
- .Net
- Java
- Mern
- Python

## Blockchain

- Ethereum
- polygon
- Binance
- Polkadot
- Solana

## Artificial Intelligence

- Keras
- PyTorch
- MXNet
- Tensorflow
- theano
  Tensorflow

## Generative AI

- Generative Adversarial Networks
- Transformer Models (GPT3, GPT 3.5 Turbo, Lamda)
- LLaMa
  Llama 2/3, Palm 2, GPT-4, Gemini

## AR/VR

- ARToolKit
- Steam VR
- ARCore
- Vuforia
- ARKit

# Digital Transformation Across Industries

Healthcare

Fitness

Sports

Travel

FinTech

EV

Education

Real Estate

Insurance

Manufacturing

Media & Entertainment

Logistics & Transportation

E-commerce & Retail

Agriculture

Oil and Gas

Automotive

**QUYTECH®**

# Awards And Recognitions

Quytech has been recognized and awarded from time to time for achievements

Here is a glimpse into our accomplishments

CIOReview
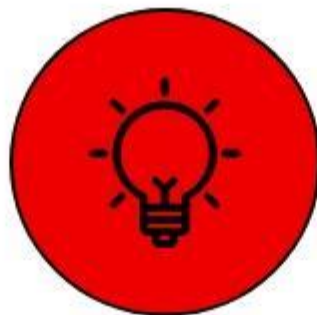
THE ECONOMIC TIMES

DIGITAL JOURNAL

MarketWatch

The Dream Team

# How we work

### Innovate

We constantly innovate to bring you nothing but the best of technology to fulfill your digital dreams and pave the way for your business success.

### Collaborate

Honesty and transparency are the heart of how we operate. We develop a shared vision for the project to ensure the final solution aligns with your expectations.
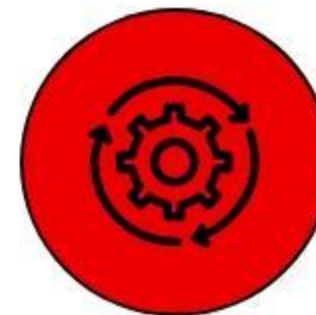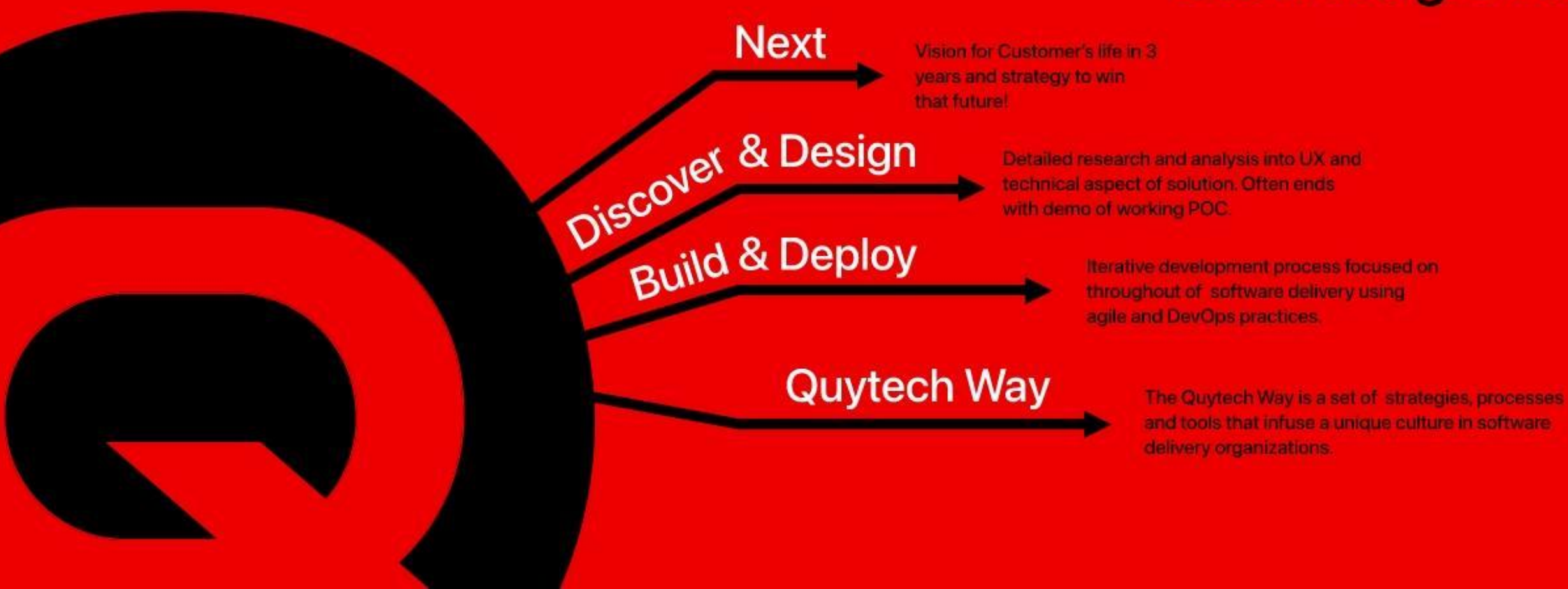
### Build

Leveraging data-driven development strategies and agile methodologies, Quytech crafts custom apps and solutions that enable your business to thrive.

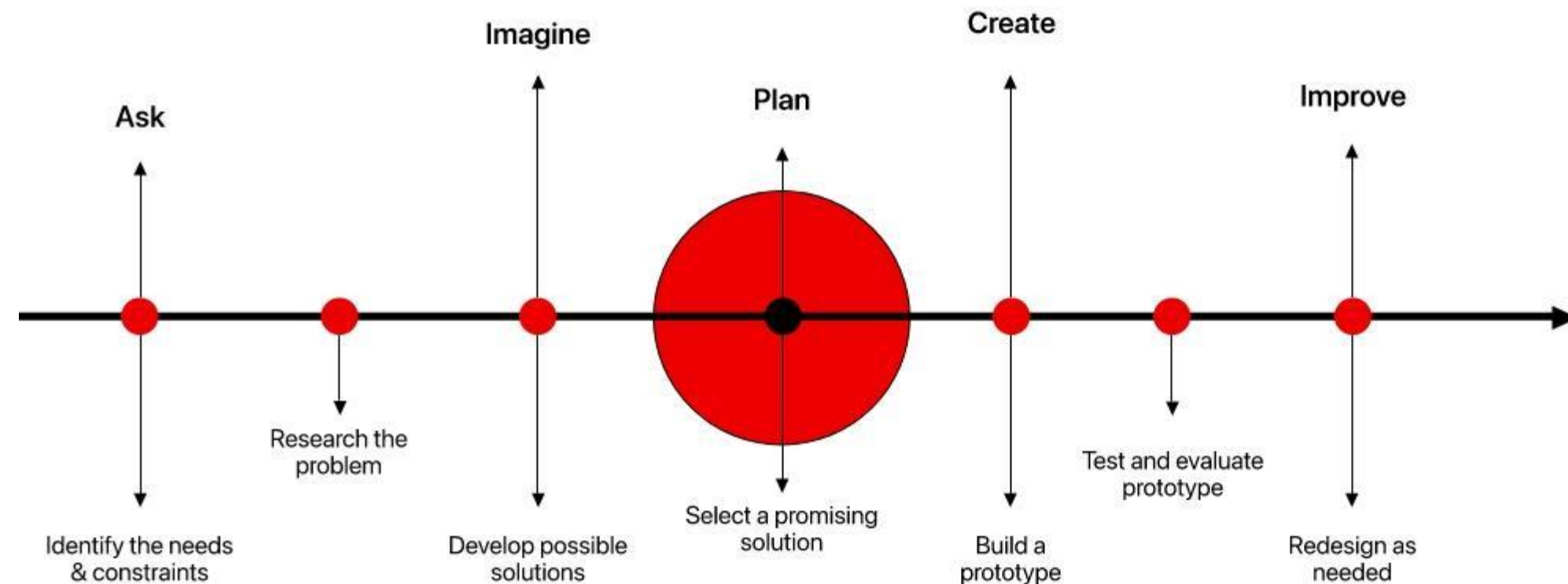# Innovation-Led Torchbearer of Technology

QUYTECH®

With a forward-thinking approach, we craft disruptive digital solutions to accelerate your business growth

**Next**
Vision for Customer's life in 3 years and strategy to win that future!

**Discover & Design**
Detailed research and analysis into UX and technical aspect of solution. Often ends with demo of working POC.

**Build & Deploy**
Iterative development process focused on throughout of software delivery using agile and DevOps practices.

**Quytech Way**
The Quytech Way is a set of strategies, processes and tools that infuse a unique culture in software delivery organizations.

Stage 1

# Discover & Design

**Define business problem, the potential strategic and tactical solutions, and the roadmap to a successful implementation in a workshop-based environment.**

Imagine

Create

Ask

Plan

Improve

Research the problem

Test and evaluate prototype

Identify the needs & constraints

Develop possible solutions

Select a promising solution

Build a prototype

Redesign as needed

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# Discover & Design

Establishing a common understanding of the project's problem statement and defining the project KPIs with all stakeholders

**Product Strategy** →

**Business Context**

**Wireframes**

**Brand Design**

**Visual Designs**

**Scope in Backlog**

**System Architecture**

**Release Plan**

### Needs

What problem does the product solve?

Which benefit it provide?

### Target Group

Which market or market segment does the product address?

Who are the target customers and users?

## Vision

What is your purpose for creating the product?

Which positive change should it bring about?

### Product

What product is it?

What makes it stand out?

Is it feasible to develop the product?

### Business Goals

Is the product going to benefit the company?

What are the business goals?

# Discover & Design

Define solution from the user's perspective by communicating how the solution will support specific business processes

Product Strategy

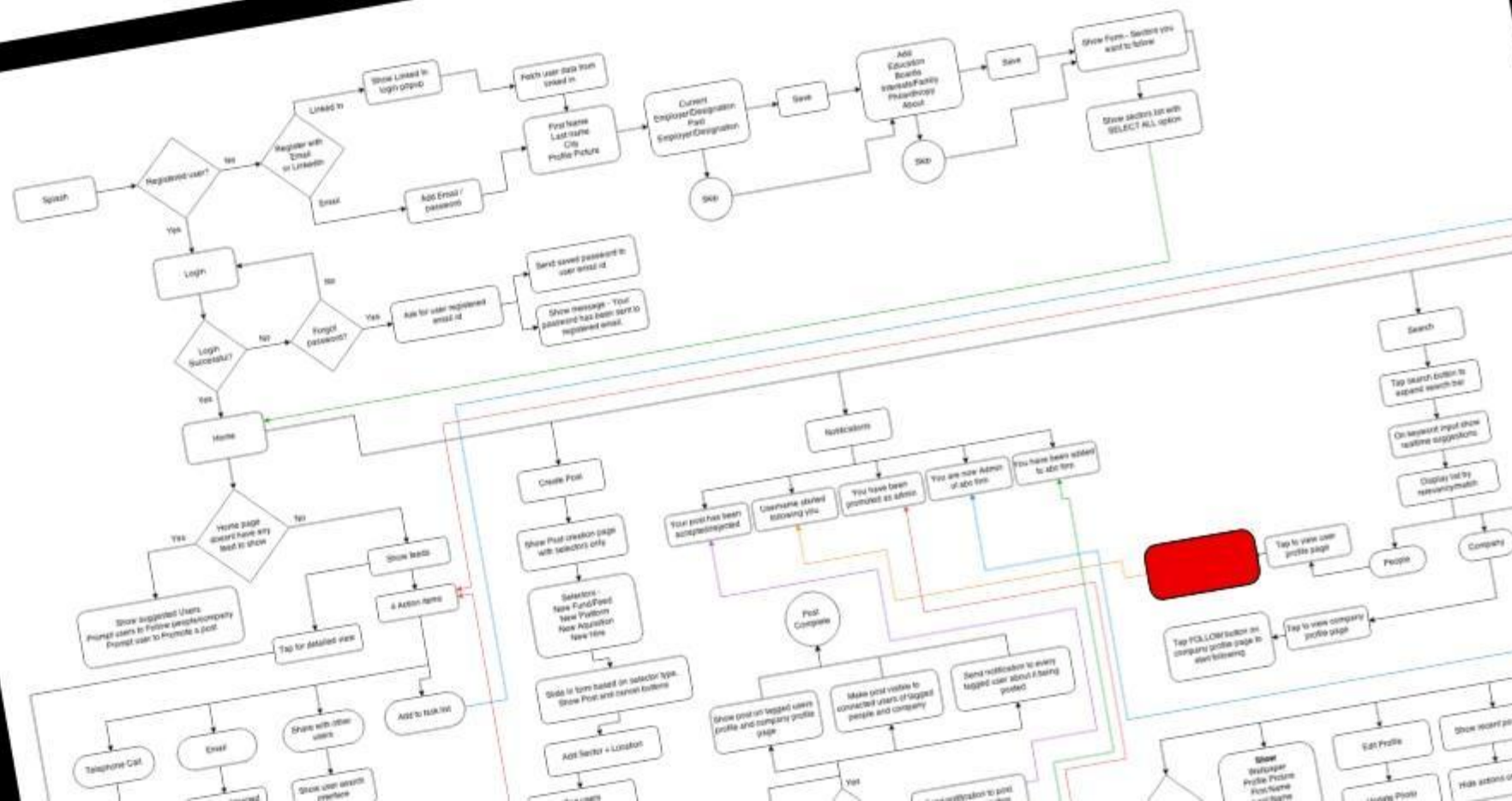**Business Context** →

Wireframes

Brand Design

Visual Designs

Scope in Backlog

System Architecture

Release Plan

Source: Project ITK [2023]

# Discover & Design

Designing your digital solution's structure considering user needs and journeys

- Product Strategy
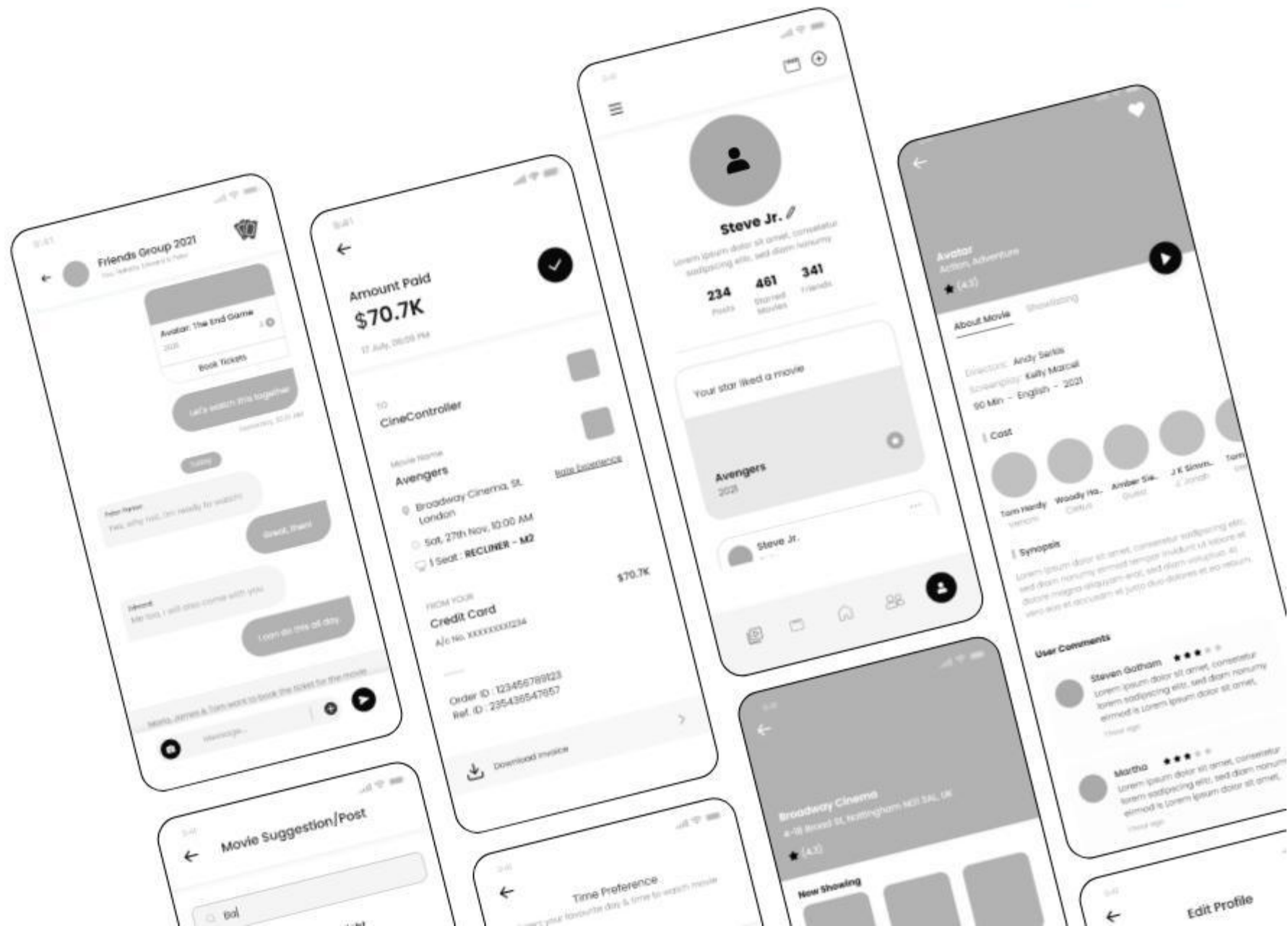- Business Context
- **Wireframes** →
- Brand Design
- Visual Designs
- Scope in Backlog
- System Architecture
- Release Plan

# Discover & Design

Graphic guidelines for the product and explanation of the graphic elements
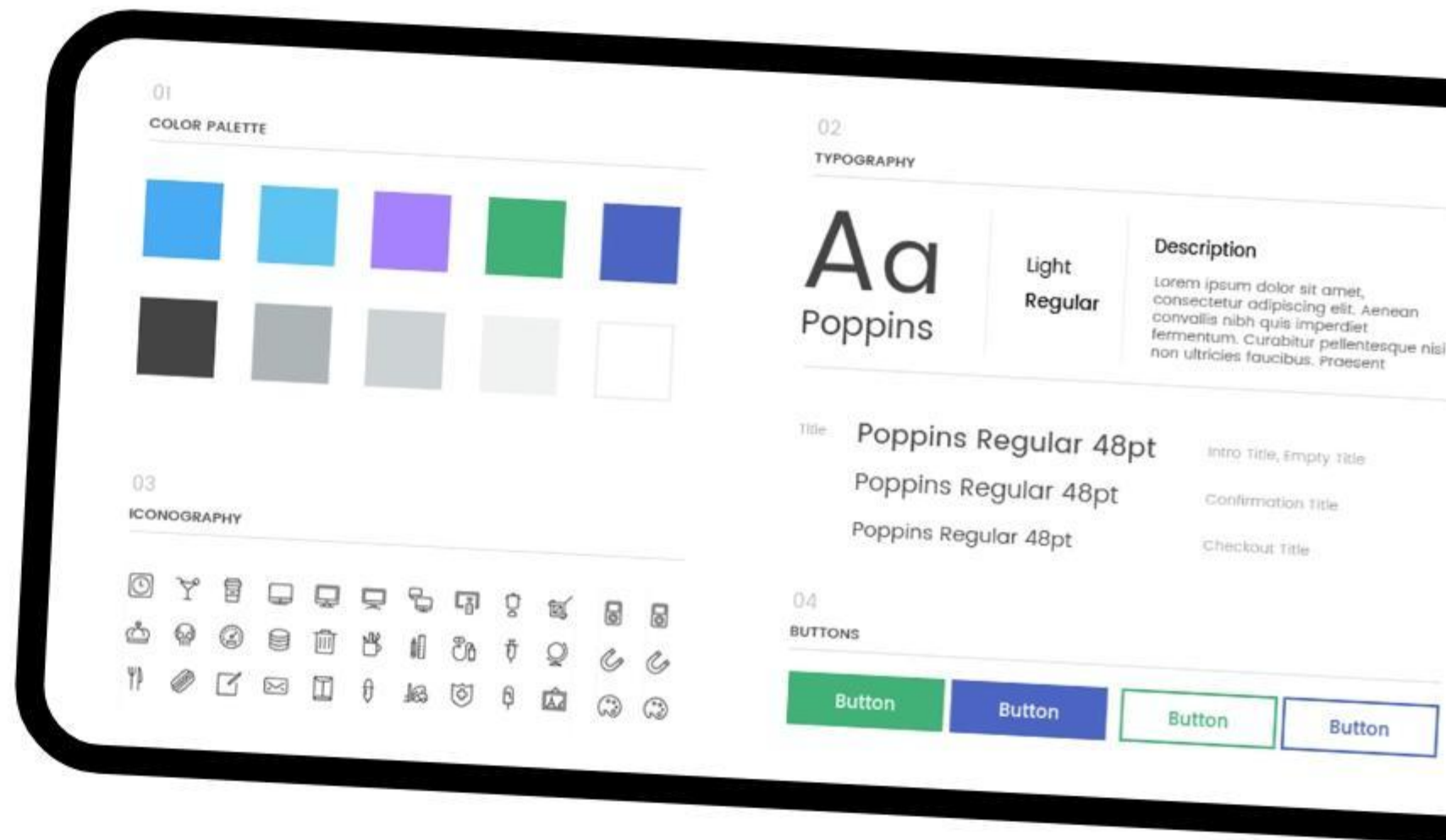
- Product Strategy
- Business Context
- Wireframes
- **Brand Design →**
- Visual Designs
- Scope in Backlog
- System Architecture
- Release Plan

01
## COLOR PALETTE

02
## TYPOGRAPHY

Aa
Poppins

Light
Regular

### Description
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean convallis nibh quis imperdiet fermentum. Curabitur pellentesque nisi non ultricies faucibus. Praesent

Title   Poppins Regular 48pt          Intro Title, Empty Title

Poppins Regular 48pt          Confirmation Title

Poppins Regular 48pt          Checkout Title

03
## ICONOGRAPHY

04
## BUTTONS

Button   Button   Button   Button

# Discover & Design

Visual communication and problem solving by strategically using brand elements and design guidelines
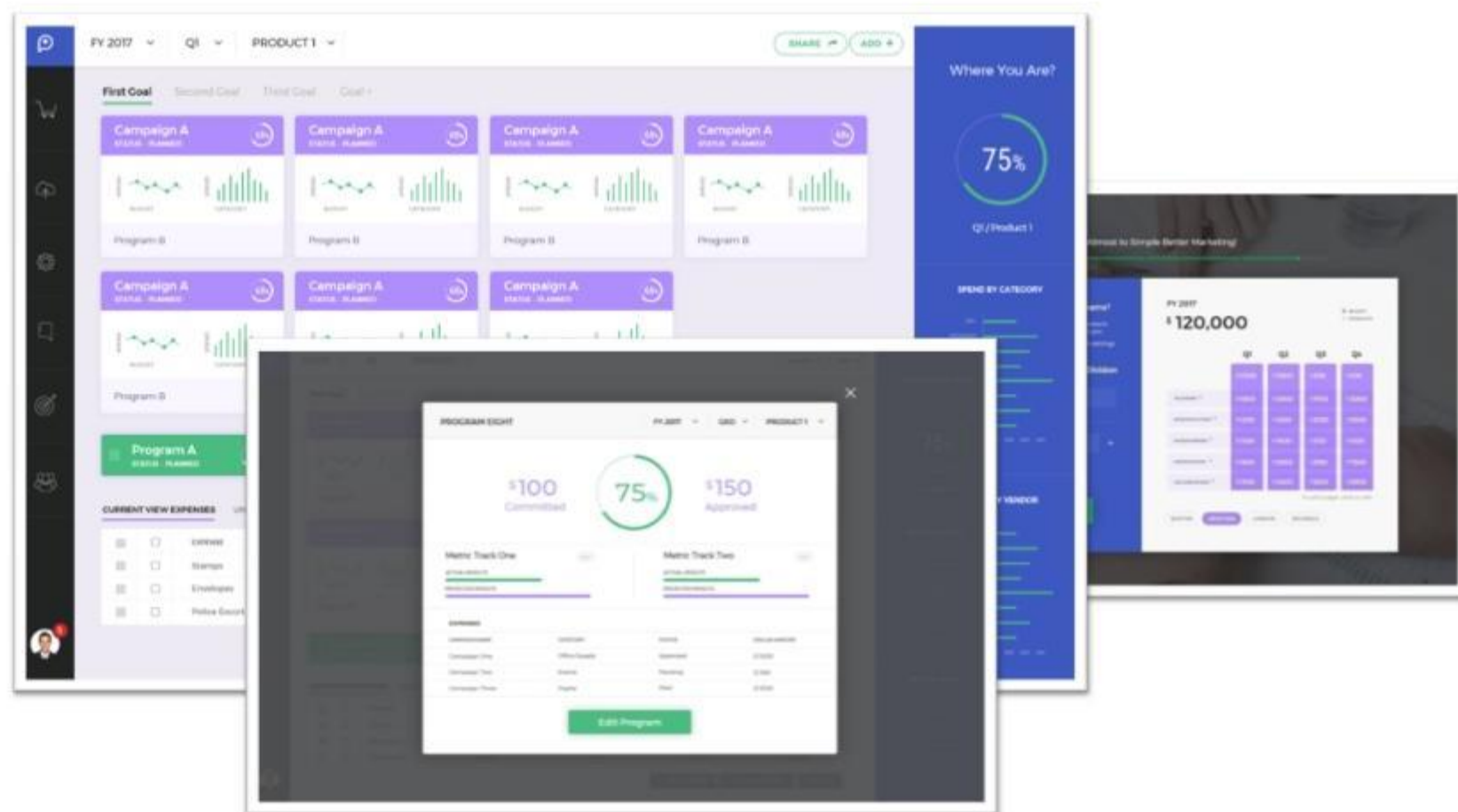
- Product Strategy
- Business Context
- Wireframes
- Brand Design
- **Visual Designs →**
- Scope in Backlog
- System Architecture
- Release Plan

# Discover & Design

Summary of Quytech's understanding of functional and non-functional requirements

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**Product Strategy**

**Business Context**

**Wireframes**

**Brand Design**

**Visual Designs**

**Scope in Backlog** →

**System Architecture**

**Release Plan**

## Kanban Board

### (I1) Core Architecture Set-up

Infrastructure and DevOps set-up

Create Data Model

Build POCs of relatively high risk part of application

Develop UI architecture - Core CSS and Page Layouts

Develop Core APIs - CRUD operations

Add a card...

### (I2) User Onboarding and Application Access

User must Signup as Admin on Plannuh

User must Login to access Budget Dashboard

User can add Company Details during Onboarding.

User must establish a budget organization by time

User must establish a budget amount based on timeframe

User can organize their marketing team to add detailed budget

Forgot password

Add a card...

### (I3) Management of Goals > Campaign > Program > Expenses

Company admin and Team member View budget details on dashboard

User can Add /View/ Edit a Goal

User can Add /View /Edit Campaign

User can Add/View /Edit Program

User can Add /View Edit Expenses

User can Upload an Expense csv

Add a card...

### (I4, I5) Update and Analyze Budget Hierarchy

User can drag and drop Campaign/Program/Expenses between Goals/Campaigns/Programs

User can access Full reporting view to see detailed reports on Budget

Users can view reporting details for Goals/Campaigns/Programs

Company admin can Share Dashboard with team members

Admin can view Change logs While editing Goal/Campaign/Program/Expense.

User can Add a new budget

Add a card...

### (I6) Import Expense

User can specify the expenses on an xls budget hierarchy

User can upload exp or CSV

User can map speci the proper fields fro into an Expense Vie

User can download Template for spread optimizes user's exp

User can manually and/or Quarter to ex xls or CSV upload

User can export exp

Add a card...

# Discover & Design

Provide a high-level structure that serves as a starting point for the detailed design and development activities

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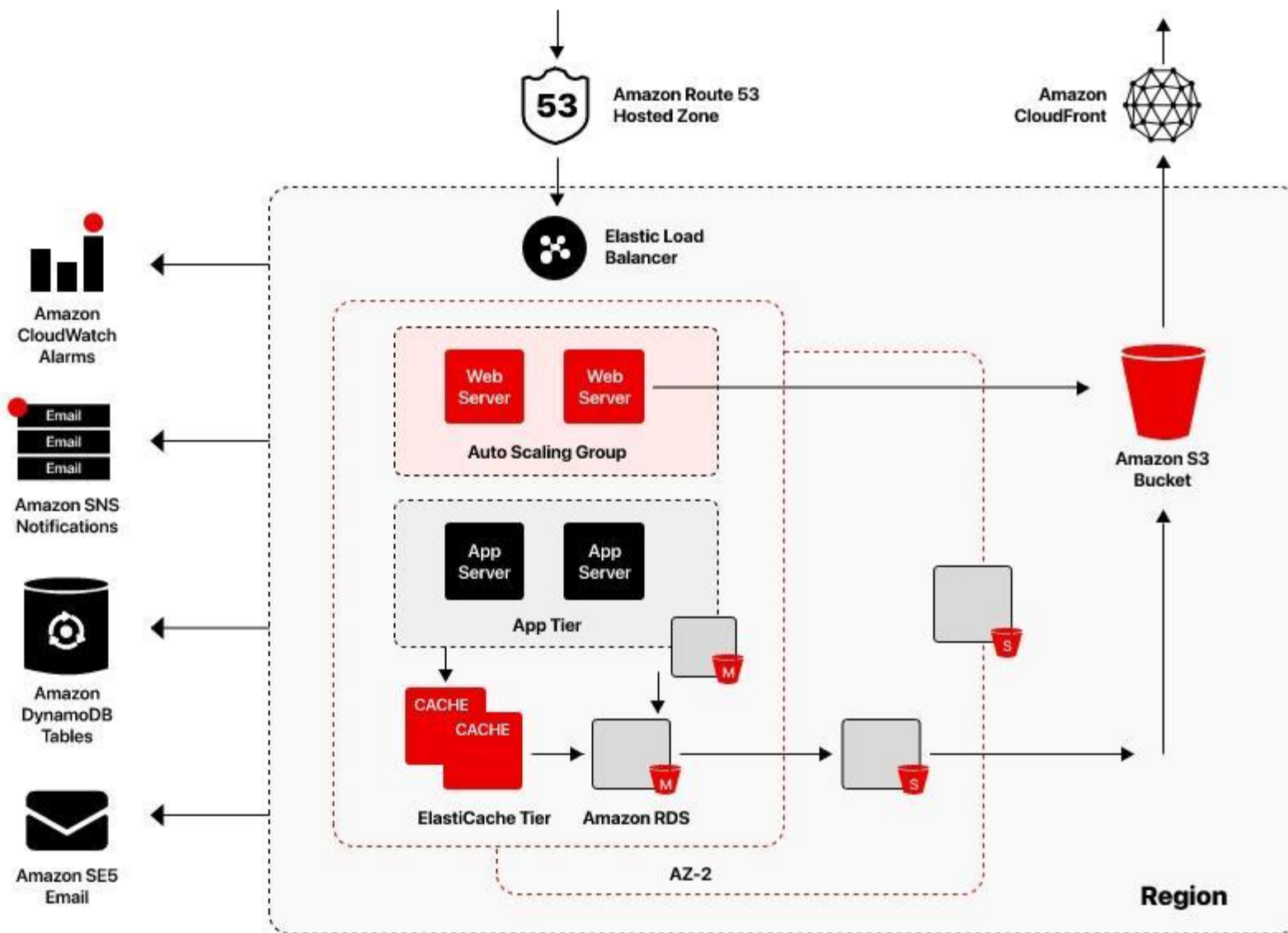- Product Strategy
- Business Context
- Wireframes
- Brand Design
- Visual Designs
- Scope in Backlog
- System Architecture →
- Release Plan

**53** Amazon Route 53 Hosted Zone

Amazon CloudFront

Elastic Load Balancer

Amazon CloudWatch Alarms

Amazon SNS Notifications

Email
Email
Email

Amazon DynamoDB Tables

Amazon SE5 Email

Web Server  Web Server
Auto Scaling Group

App Server  App Server
App Tier

CACHE  CACHE
ElastiCache Tier

Amazon RDS

Amazon S3 Bucket

AZ-2

Region

# Discover & Design

Establish the overall project plan and the high level schedule and milestones of the engagement
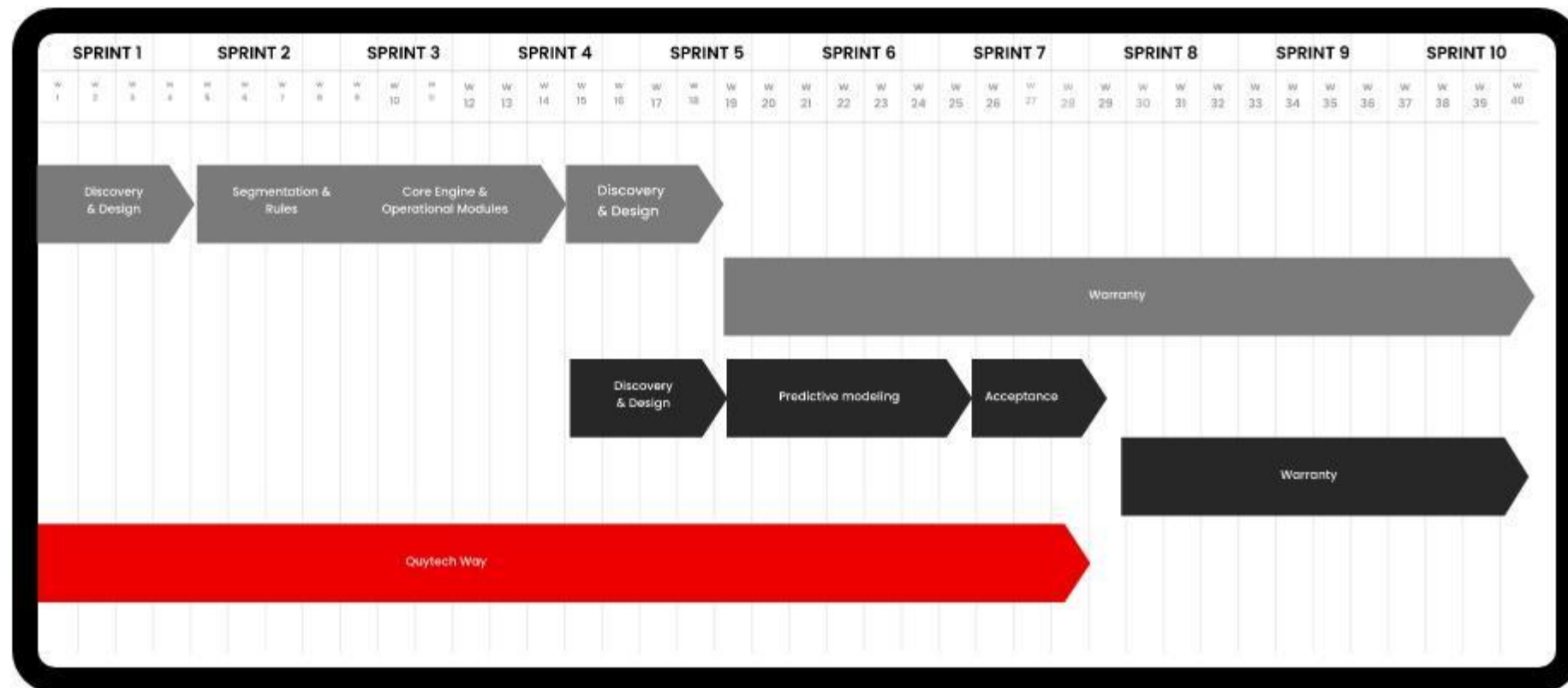
**Product Strategy**

**Business Context**

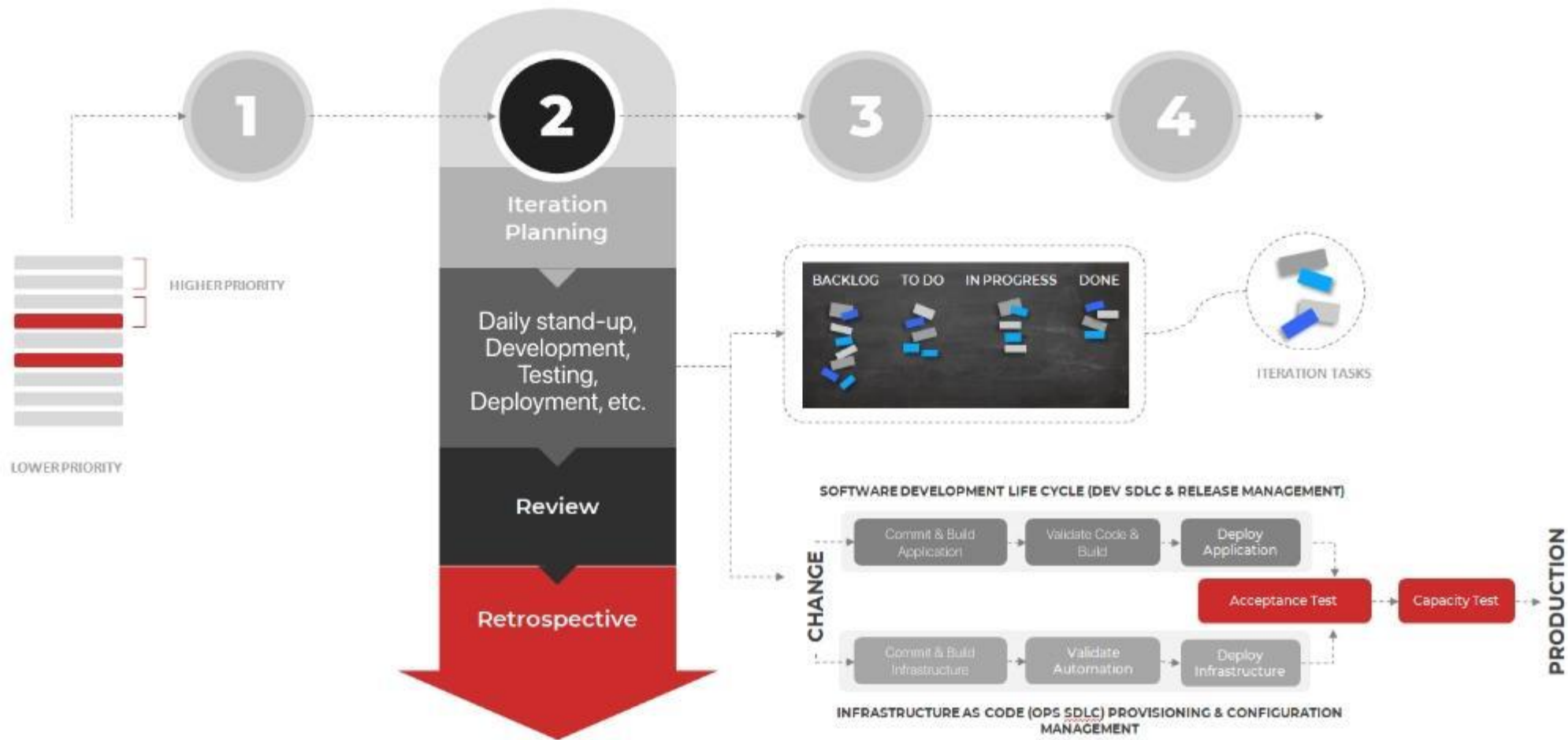**Wireframes**

**Brand Design**

**Visual Designs**

**Scope in Backlog**

**System Architecture**

**Release Plan** →



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Stage 2

# Build &
# Deploy

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1    2    3    4

**Iteration Planning**

Daily stand-up, Development, Testing, Deployment, etc.

**Review**

**Retrospective**

HIGHER PRIORITY

LOWER PRIORITY

BACKLOG    TO DO    IN PROGRESS    DONE

ITERATION TASKS

**SOFTWARE DEVELOPMENT LIFE CYCLE (DEV SDLC & RELEASE MANAGEMENT)**

Commit & Build Application → Validate Code & Build → Deploy Application

Acceptance Test → Capacity Test

Commit & Build Infrastructure → Validate Automation → Deploy Infrastructure

CHANGE

PRODUCTION

**INFRASTRUCTURE AS CODE (OPS SDLC) PROVISIONING & CONFIGURATION MANAGEMENT**

Stage 3

# Quytech Way

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**The Quytech Way is a set of strategies, processes and tools that infuse a unique culture and ensure on time delivery.**

**On Time Delivery**
- *Focus on feature delivery over system velocity.*
- *Agile, self-organized teams for product success.*
- *Nimble team structure for efficient throughput.*

**DevOps,continuous integration**
- *Seamless DevOps and workflow integration.*
- *Flexible contract management.*
- *Focus on automation and continuous improvement.*

**Test Driven Development (TDD)**
- *Continuous testing for high-quality code.*
- *Bug-free development with frequent feedback.*
- *Ensures maintainable and reliable software.*

**Domain Expertise**
- *Industry wise domain experts*
- *Decades of technology experience*

**Quytech Proprietary Process**
- *Custom methodologies for better outcomes.*
- *Encouraging innovation and collaboration.*
- *Ongoing evaluation of new technologies.*

**The Quytech Way™**

# Scale across organization

ONCE PROVEN IT GOES ACROSS PRODUCT LINE

Adaptable, networked, customer centered end to end processes, made of small connected-empowered teams, highly automated, small batch workloads, addicted to data and speed to value
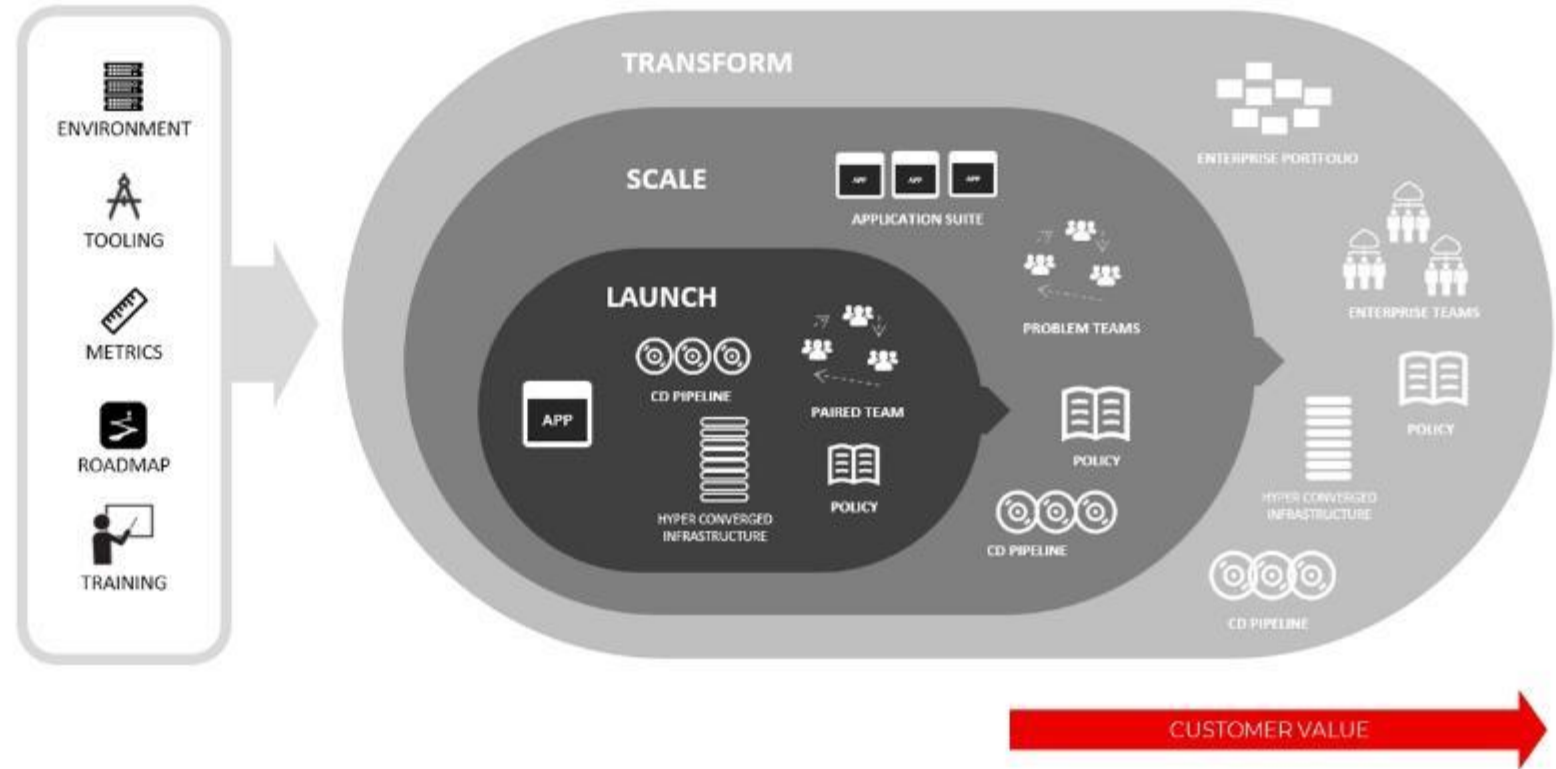
Stage 4

# Case Studies

# Room to Read - AI-Powered Coaching App

An AI-driven coaching platform designed to support teacher development through video analysis, real-time multilingual chatbot, and performance dashboards. It helps track classroom engagement, offers instant feedback, and enables scalable coaching with personalized insights.
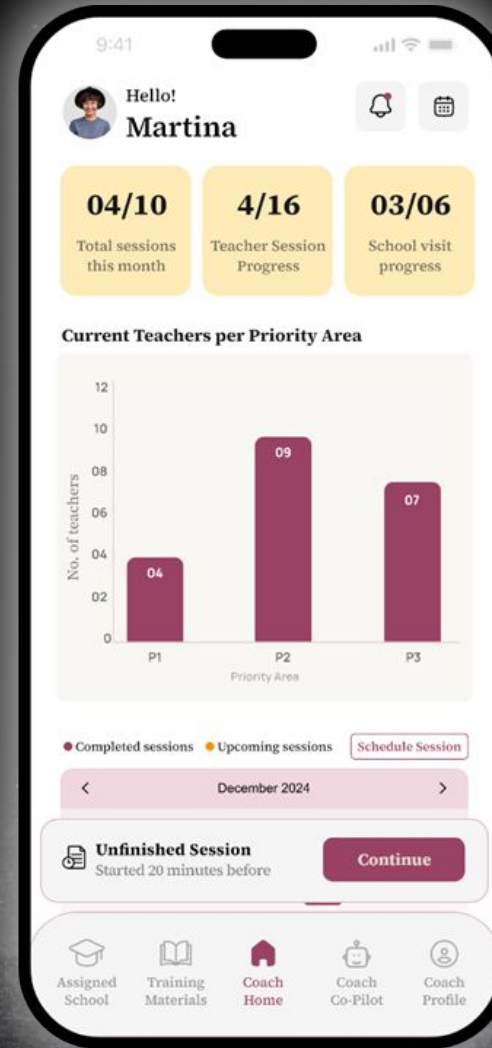
# AI-based solution for Detecting Theft

An AI-powered solution built for the logistics and parcel industry to detect theft and ensure package authenticity. Using computer vision and X-ray image recognition, the system identifies objects, flags prohibited items, and verifies them against invoice data in real-time to enhance security and accuracy.

# AI-Based Shoplifting & Theft Detection (CCTV)

AI-powered CCTV systems help detect theft in supermarkets by watching live video and spotting unusual behavior. They can alert staff if someone skips the billing counter, doesn't scan an item, stays too long in one area, or tries to hide or steal a product. This makes stores safer and reduces losses.

## AI-powered Animal Behavior Detection System

This smart system utilizes cameras to track animals in real-time and understand their actions as sleeping, eating, standing, or interacting with people. It alerts caretakers if the animals show unusual behavior, helping with health monitoring. Also, it tells animals apart from humans or objects, making it useful for farm safety and wildlife research.
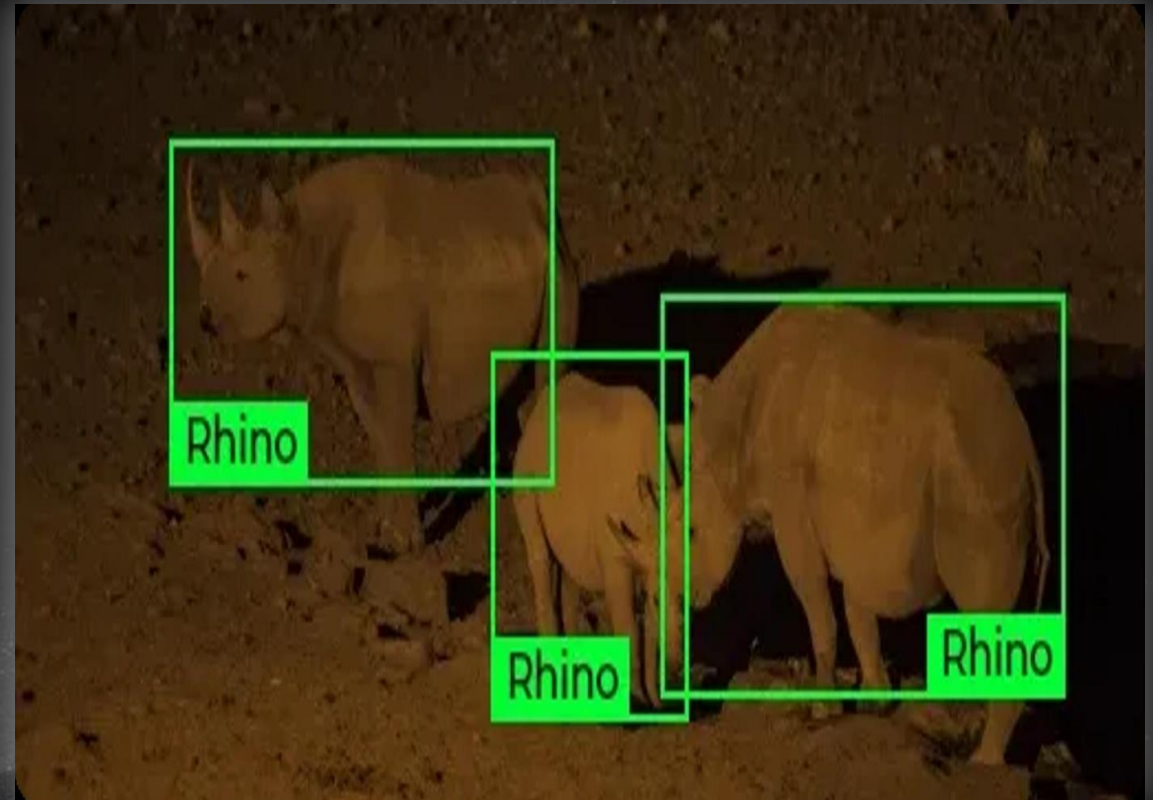
# AI-powered Fall Detection System

AI-based CCTV systems can automatically detect when a person falls by analyzing body movement in real time. This helps ensure quick response in case of accidents, especially in places like hospitals, public areas, offices, or homes. The system improves safety by sending instant alerts for timely assistance.



Fall Detected
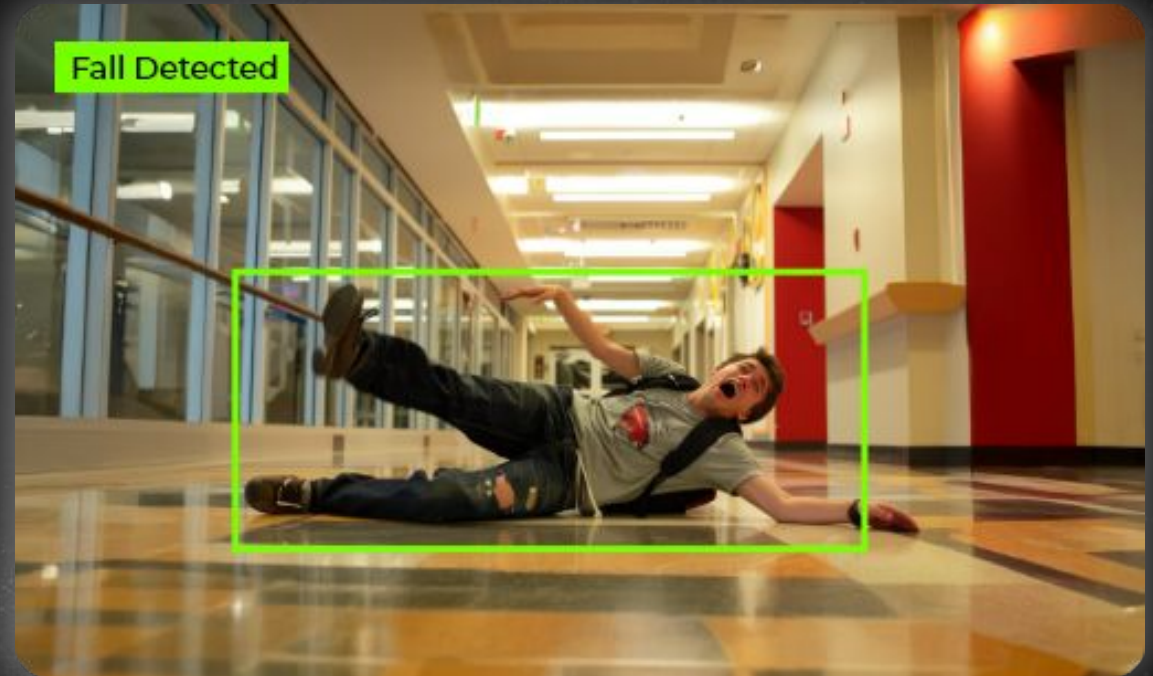
## AI-powered Fire Detection System

AI-enabled CCTV systems can detect smoke or fire in real-time across spaces like factories, residential complexes, or theaters. Once detected, they instantly alert staff or emergency teams, helping prevent panic, minimize damage, and ensure people's safety through quick action.
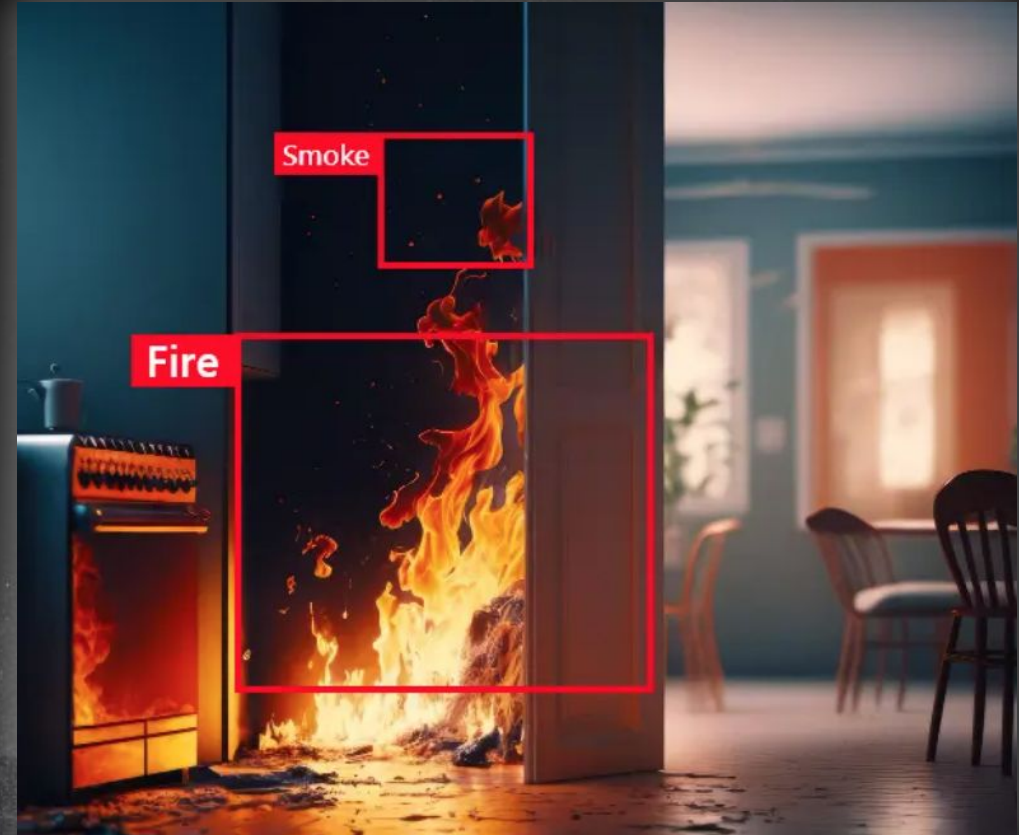
## Magic Avatar

Magic Avatar, a revolutionary generative AI-powered image editor designed to transform visuals into anything imaginable. Upload an image, provide a prompt, and witness the transformation. With numerous cutting-edge features, transform ordinary visuals into extraordinary masterpieces with Magic Avatar, the ultimate tool for unparalleled image and video enhancement.

# Aesthetic Guru

Aesthetic Guru is an AI-powered cosmetic surgery booking app that scans users' faces and bodies to recommend personalized enhancements. It connects users with qualified surgeons, enabling easy appointment booking. Doctors can manage profiles, schedules, and records. AI ensures tailored suggestions and a seamless experience for both users and professionals.
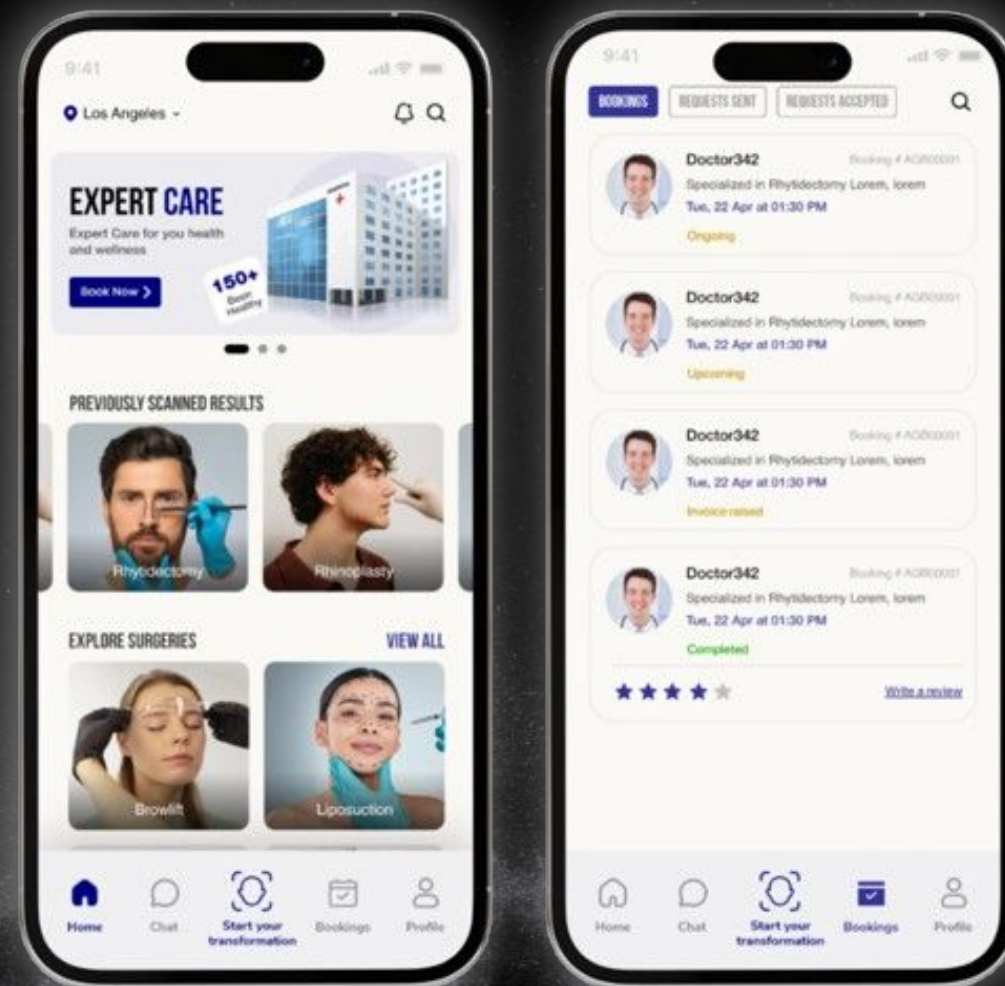
# PRAAVI HRMS

PRAAVI HRMS is an ML-based attendance marking
and management app designed for SME businesses.
The interface is simple to navigate and has
cutting-edge features, such as face recognition-based
attendance marking, attendance alerts, location
tagging, shift management, and more. It is an
all-in-one solution built to deliver enhanced and
accurate attendance marking and management
experience.

## Synapse AI

Synapse AI is an AI-powered finance management app that combines expense tracking, ledger access, and analytics with smart communication tools. Users can schedule calls and messages, set alarms and reminders, and use normal or ghost chats. It offers a easy way to stay connected while efficiently managing personal finances.
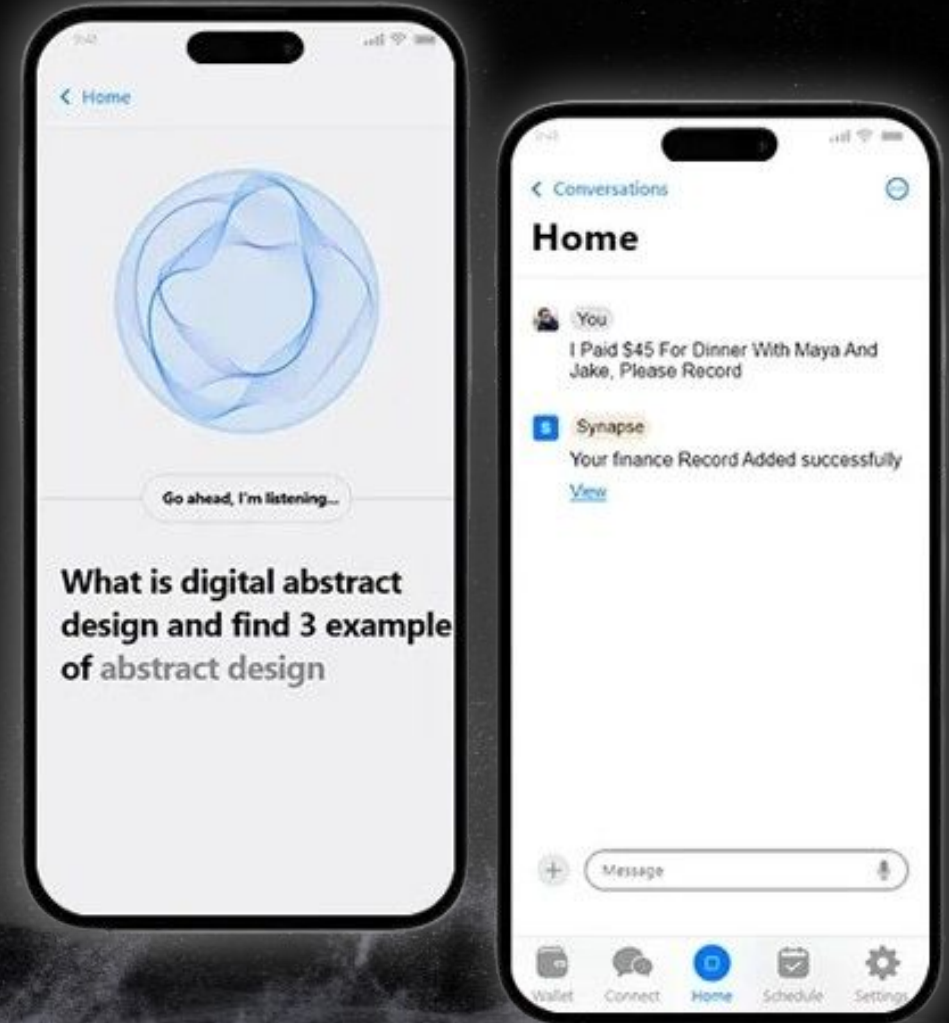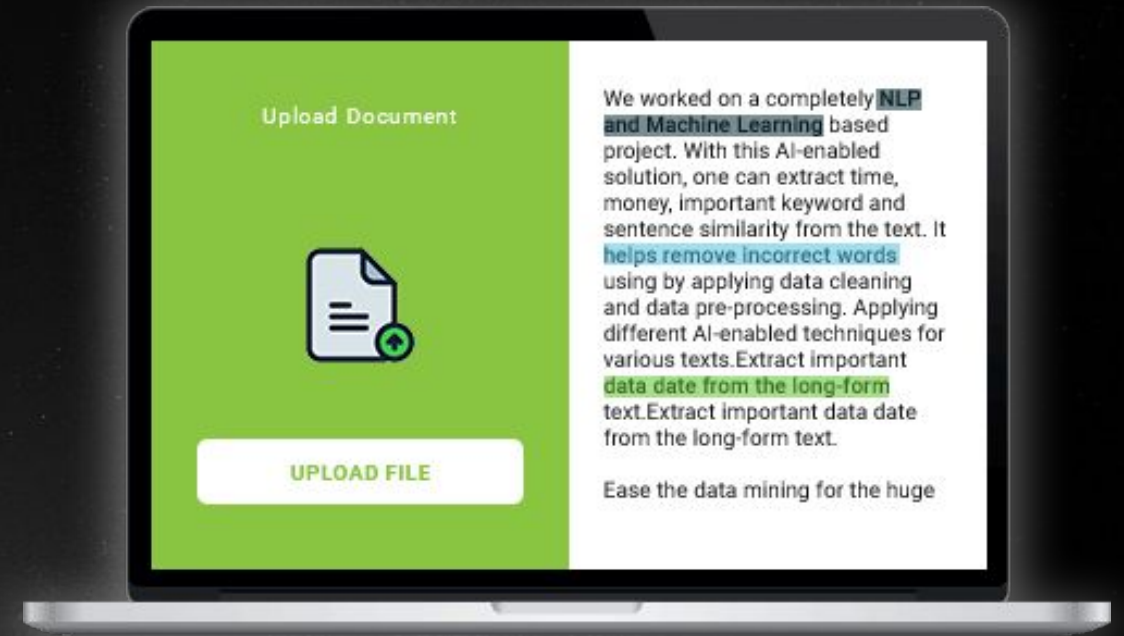
# Exxon Mobil – Brand Guideline Analysis

An AI based application developed to validate available elements on sign boards of any brand and verified as per the standard guidelines. This mobile app has the functionality of capturing images of Sign boards through the camera or images can be uploaded through the gallery of device. Selected images will be analyzed for color, fonts, image etc.

# NLP For Legal Text

This NLP and ML project analyzes legal documents to extract time, money, keywords, and sentence similarities. It involves data cleaning with NLTK, vectorizing text using TF-IDF and Word2Vec, keyword extraction via Gensim, normalization, and measuring similarity with cosine similarity, Euclidean distance, and KNN, plus date extraction using a Date_time function.

Upload Document

We worked on a completely NLP and Machine Learning based project. With this AI-enabled solution, one can extract time, money, important keyword and sentence similarity from the text. It helps remove incorrect words using by applying data cleaning and data pre-processing. Applying different AI-enabled techniques for various texts.Extract important data date from the long-form text.Extract important data date from the long-form text.

Ease the data mining for the huge

UPLOAD FILE

# ChatGPT based Chatbot

We have worked on Chatbot Integration project using LangChain, Chroma DB, and Open AI. In this, we can upload a document which can be processed at the backend and then user can ask any questions based on that particular document.
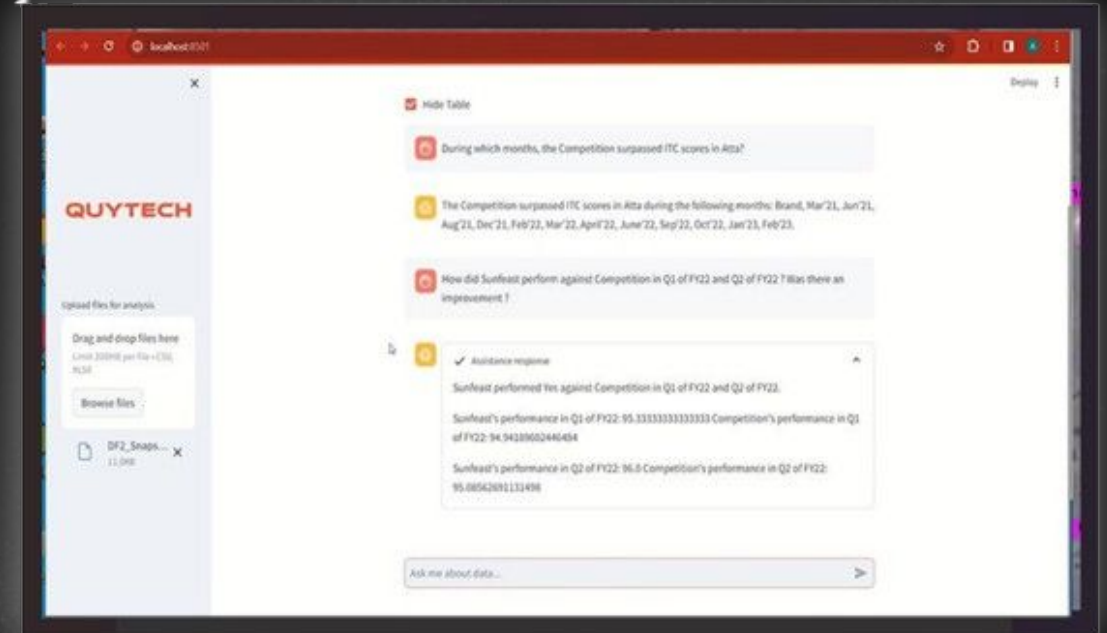
# Scandify – AI Car Damage Detection

AI based damage detection Application. The application is designed to leverage the power of artificial intelligence (AI) for detecting and identifying car damages. By utilizing advanced algorithms and machine learning techniques, this application is capable of accurately analyzing images of cars to determine if any damages are present.
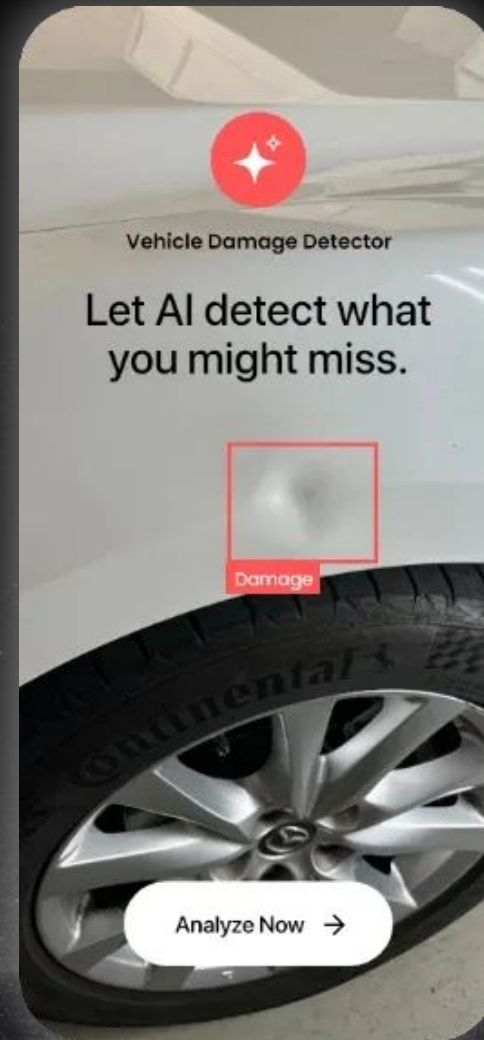
# Cangurhu

Cangurhu is an innovative food delivery app connecting home chefs with customers craving fresh, home-cooked meals. It uses AI to analyze images and videos for food safety, inspecting kitchens and cooking tools. AI also powers courier facial recognition and enhances customer support, ensuring a safe and seamless experience.
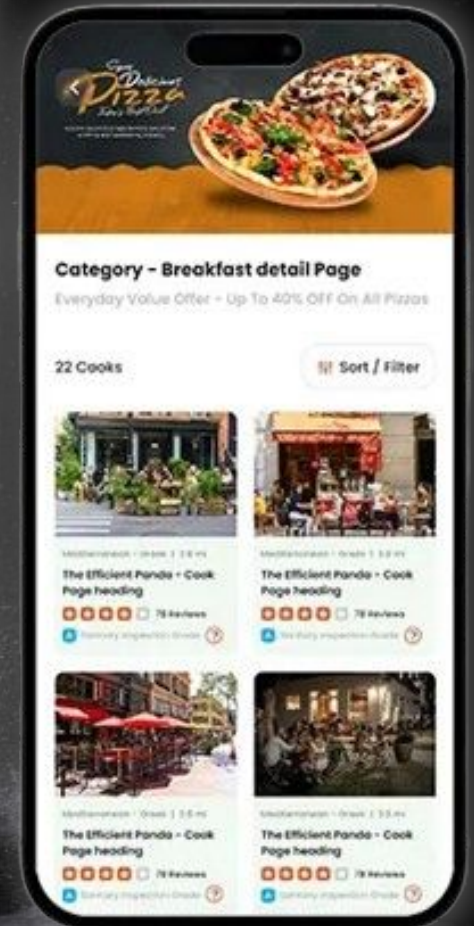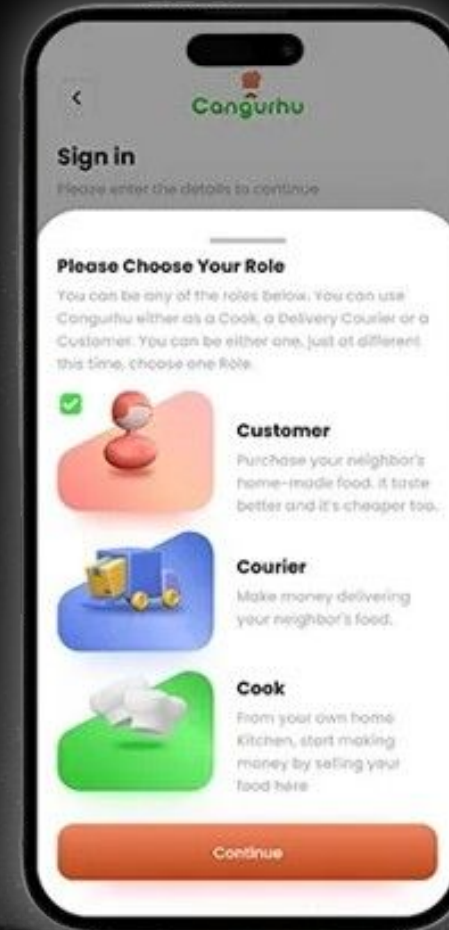
# Happy Panda

Happy Panda is an interactive entertainment app powered by Generative AI and the ChatGPT API. Users can chat with a lovable character, Panda, and get real-time weather updates through an integrated Weather API. Just log in with your username and password, tap the mic icon, and start chatting!

# Emotional Tracking Project

Emotional Tracking is AI-based emotion tracking solution analyzes users' emotions like happy, sad, and angry while recording video by observing body language, voice tone, and gestures. Using Keras and OpenCV with pre-defined Haar cascades, it detects faces and accurately classifies emotions, helping improve emotion-based analysis and feedback.



| | |
|---|---|
| Anger | 0.00000 |
| Contempt | 0.00003 |
| Disgust | 0.00001 |
| Fear | 0.00029 |
| Happiness | 0.09596 |
| Neutral | 0.00335 |
| Sadness | 0.00000 |
| Surprise | 0.90036 |

# AI Object Detection

AI-powered object detection system extracts important data points from various datasets. Using deep learning models like CNN and OpenCV, custom models detect features such as human ethnicity, car types, and logos. The models are trained and optimized for high accuracy, delivering precise results for real-world applications.

## FutureNow

FutureNow is an EdTech platform offering 2-minute short videos on various topics. Futurists can upload videos, create courses, and earn money. AI features include emotion tracking, video transcripts, personalized study plans, recommendation engines, and motion detection to enhance the learning experience.

# AI Based Recommendation

This AI-based project provides personalized

recommendations by analyzing user history and

course ratings. It processes datasets by

concatenating multiple fields, then uses TF-IDF

vectorization and cosine similarity to analyze and

compare words based on n-grams. This approach

helps deliver the best recommendations tailored to

each user.
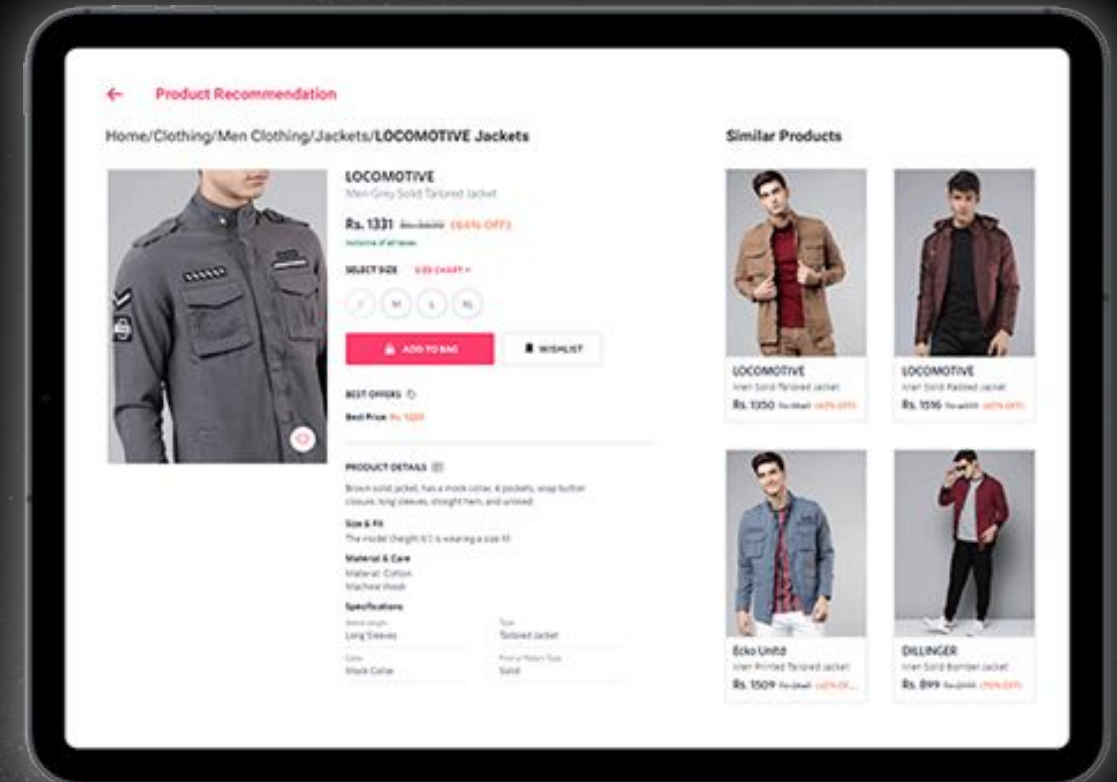
# Interactive Chatbot

The Interactive Chatbot creates personalized experiences by using AI to resolve customer issues and gather information. Offering 24/7 service, it can engage multiple users simultaneously, outperforming live chat in many industries. Key technologies include Natural Language Processing, deep learning, and it's built on the open-source Rasa framework.

## Interactive Voice Based Chatbot

The client is a packaging company making packaging for high end customers. The AR app provides a AI based salesman experience. The user can carry a normal conversation with the bot. The AI bot in this case is also undertaking a marketing survey while engaging the consumer at the same time.

# Welcome to our offices.

**QUYTECH®**

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Slough
United Kingdom

Gurgaon
India

Indore
India