



# Agile Implementation – Real E-State (Kanban Method & Sprint)

Nepal's digital landscape needs a localized crowdfunding solution. Global platforms often miss the mark on payment systems and cultural nuances. Our answer is **Real-EState**– a transparent, secure, and user-friendly Nepali real state platform, built to support local languages, regional payment systems, and foster community trust.

# Team Roles & Dynamics

## Meet the Team



### Kushal Baral

Backend Developer: Campaign APIs, fund withdrawal, payment integrations, admin tools.



### Kiran Subedi

Frontend Developer: UI components, dashboard, campaign creation page, responsive design.



### Rajan Timilsina

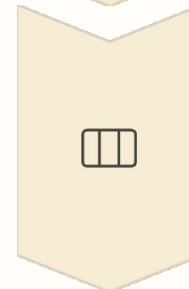
QA & UI/UX: Test cases, usability testing, quality assurance.

## Kanban in Action



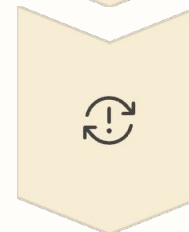
### Visual Task Tracking

Utilized Trello for clear task visualization.



### Defined Workflow

Tasks moved through To Do, In Progress, Review, and Done columns.



### Continuous Flow

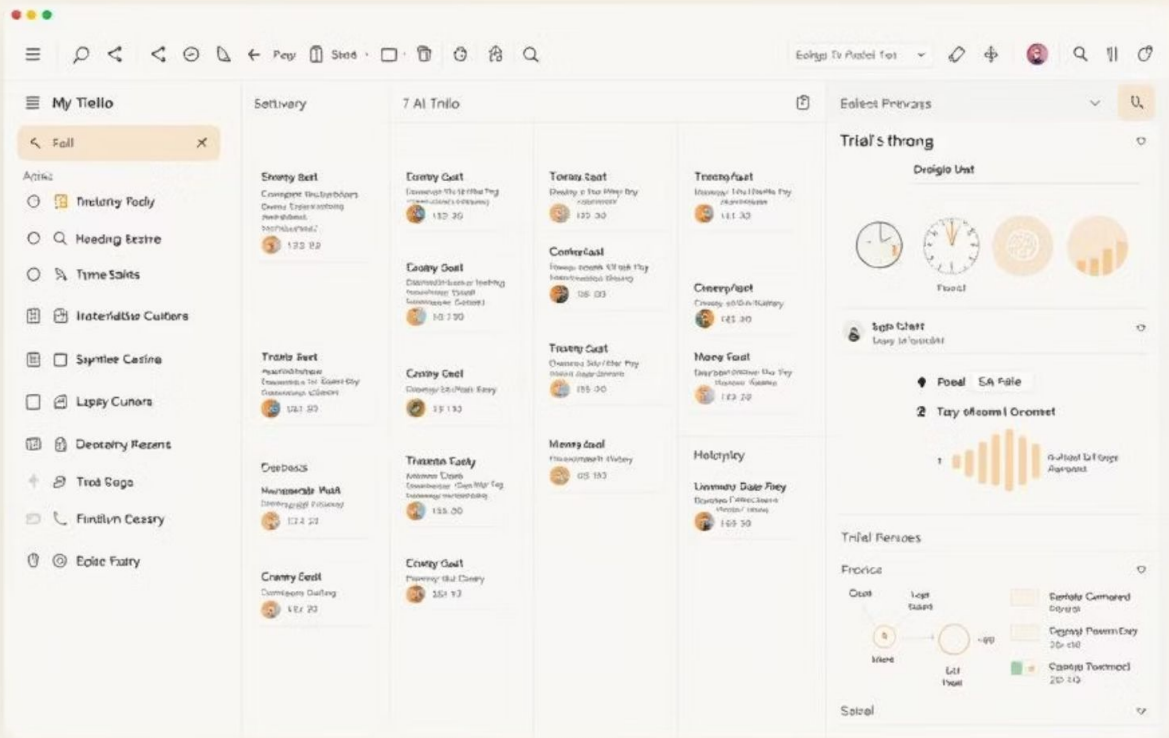
Enabled flexible, continuous updates over rigid sprints.



### Self-Organizing

Team members pulled tasks based on expertise and availability.

# Planning Process & Backlog Creation



## Tools that Drove Our Planning

### Trello

Kanban board for task tracking and progress visualization.

### Figma

UI/UX wireframing, mockups, and detailed flow planning.

### Draw.io

Database ER diagrams and user journey mapping for clarity.

### GitHub

Centralized version control and seamless team collaboration.

## Strategic Backlog Creation

- Features as Cards: Each platform feature became a detailed card.
- Priority Tagging: Cards were tagged High/Medium/Low priority.
- Progress Updates: Checklists and comments tracked real-time progress.
- Traceability: GitHub commits linked directly to Trello cards.



# Demonstration of Progress

## Real-time Task Progression

Our Kanban board provided instant visibility into task statuses, fostering transparency and accountability.

## Seamless Task Movement

"Integrate Property management" –  Done (Kushal)

"Campaign gallery layout" –  In Review (Kiran)

"Verification system with document upload" –  In To Do

## Empowered Team Updates

Every team member owned the responsibility of updating their task status, ensuring accurate and timely progress reporting.

## Bottleneck Prevention

Kanban's asynchronous nature allowed parallel work streams, effectively preventing bottlenecks and maintaining a smooth workflow.



# Retrospective Learnings



## What Went Well

### Visual Clarity & Flow Control

Kanban provided an immediate, clear overview of the project flow.

### Smooth Parallel Development

Backend APIs and frontend UI progressed independently, minimizing dependencies.

### Flexible Reprioritization

Easy adaptation to changing priorities or new blockers.

## Key Improvements During the Process

**Card Templates:** Introduced standardized templates with detailed descriptions and clear acceptance criteria.

**Due Dates & Labels:** Added these for critical, time-sensitive features like payment integrations.

**Daily Syncs:** Utilized Slack and Trello comments for consistent team alignment and communication.

For you

Recent

Starred

Apps

Plans PREMIUM

Projects + ...

Recent

Real Estate System

View all projects

Filters

Dashboards

Teams

Goals

Customize sidebar

Give feedback on the app

Projects

Real Estate System

SummaryListBoardCalendarTimelinePagesFormsBacklog+

Search boardSGRTSSFilter

Group

...

TO DO 3

IN PROGRESS 1

REVIEW AND TESTING 2

DONE 4

Develop DFD level 1

KAN-9

RT

Design database schema

KAN-10

RT

Develop DFD level 0

KAN-8

SS

+ Create

Design UI wireframes

KAN-6

SG

Create project timeline

KAN-4

SG

Create ER diagram

KAN-7

SS

Conduct gap analysis

26 Jun 2025

KAN-2

RT

Define project requirements and objective

KAN-1

SG

Select development methodology

KAN-3

SS

Identify required tools and methodologies

KAN-5

RT

Jira

Q Search

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Premium trial

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Q Search b...SG+3Epic

Board (10 work items)3

o, KAN-2Conduct gap analysisDONE26 Jun=

o, KAN-1Define project requirements and objectiveDONE=

o, KAN-3Select development methodologyDONE=

o, KAN-5Identify required tools and methodologiesDONE=

o, KAN-4Create project timelineREVIEW AND ...=

o, KAN-7Create ER diagramREVIEW AND ...=

o, KAN-6Design UI wireframesIN PROGRES...=

o, KAN-8Develop DFD level 0TO DO=

o, KAN-9Develop DFD level 1TO DO=