

Solutions Challenge

AI for a better tomorrow



Idea Submission for Bootcamps

Team Details

- a. Team name: *Terminal Tribe*
- b. Team leader name: *Pranjal Bansal*
- c. Problem Statement: *SDG 4(Quality Education)*

 **Problem We Are Solving**

College students face fragmented communication, disorganized event management, and limited networking. With solutions spread across multiple apps like WhatsApp and LinkedIn, staying engaged, finding opportunities, and collaborating effectively becomes challenging.

 **Brief about my solution**

Xplore is a next-generation mobile platform that integrates event management, communication, networking, and skill development into a unified digital ecosystem. It connects students, faculty, and administrators across institutions, enhancing collaboration, engagement, and success through advanced technology and personalized experiences.

 **Tech-Stack will be using**

- Flutter & Dart - Cross-platform app development
- Firebase - Authentication, Firestore, Cloud Messaging
- Google Gemini AI - AI-powered recommendations
- Google Cloud - Scalable backend infrastructure
- Google Maps API - Location-based event discovery
- Google IDX - Cloud-based development environment
- Google Analytics - User engagement tracking

**Key Features of my APP**

- Event Timeline: A centralized feed for college events, workshops, and competitions.
- Club Portfolios: Dedicated club pages showcasing achievements and upcoming events.
- LinkedIn-Style Profiles: Students can highlight skills, certifications, and achievements.
- Messaging & Collaboration: Group chats for clubs/events and direct messaging.
- AI-Based Skill & Club Matchmaking: Suggests events and learning materials based on interests.
- Centralized Calendar: Integrates academic and extracurricular schedules.
- Virtual Event Hosting: Built-in tools for webinars, Q&A sessions, and live-streaming.
- Gamification & Achievements: Earn points for event participation and networking activities.
- Mentor Connect: AI-powered mentorship feature linking students with alumni & industry experts.
- Student Marketplace: A space for students to buy/sell books, lab coats, and other essentials.
- Freelance & Internship Marketplace: Helps students find freelance projects and internships.



How is it Different?

- Unique Login System: Roll number-based authentication ensures a secure, college-exclusive experience.
- All-in-One Platform: Combines WhatsApp-style messaging, LinkedIn-style profiles, and Unacademy-like learning in one app for a holistic student experience.
- AI-Powered Personalization: Recommends clubs, events, and learning resources tailored to student interests and activity history.
- Gamification: Points, badges, and leaderboards to enhance engagement and motivate students.
- Google Technologies Integration: Leverages Gemini AI APIs for intelligent recommendations and Firebase for seamless real-time communication.



Unique Selling Points

Xplore stands out as a comprehensive multi-college engagement platform, connecting students, clubs, and academic communities. Unlike generic social apps, it integrates event discovery, mentorship, and a student marketplace for seamless interaction. AI-driven matchmaking helps students find opportunities, while Google-backed technologies ensure scalability. With freelance gigs, internships, and gamified participation, Xplore transforms college life into a dynamic, career-focused experience.



How Will it Solve the Problem?

1 Event Timeline

- Problem: Students miss out on important college events due to scattered communication channels.
- Solution: A centralized timeline for all upcoming college events, workshops, and hackathons.

2 Club Portfolios

- Problem: Students struggle to find and engage with college clubs due to a lack of visibility.
- Solution: Dedicated club pages displaying achievements, upcoming events, and contact information.

3 LinkedIn-Style Student Profiles

- Problem: Students lack a structured way to showcase their skills, certifications, and projects.
- Solution: Professional profiles where students can highlight their achievements, making networking easier.

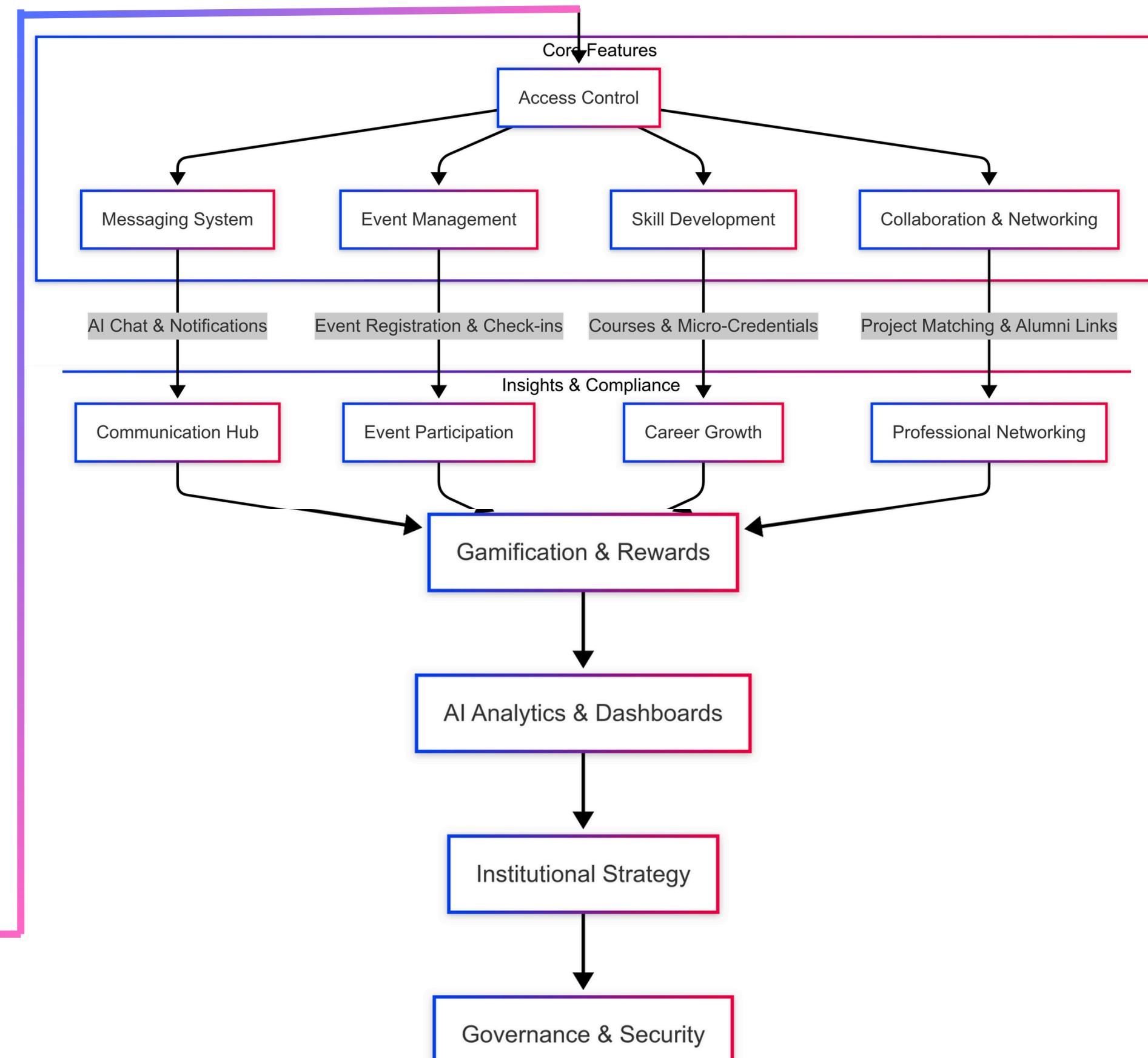
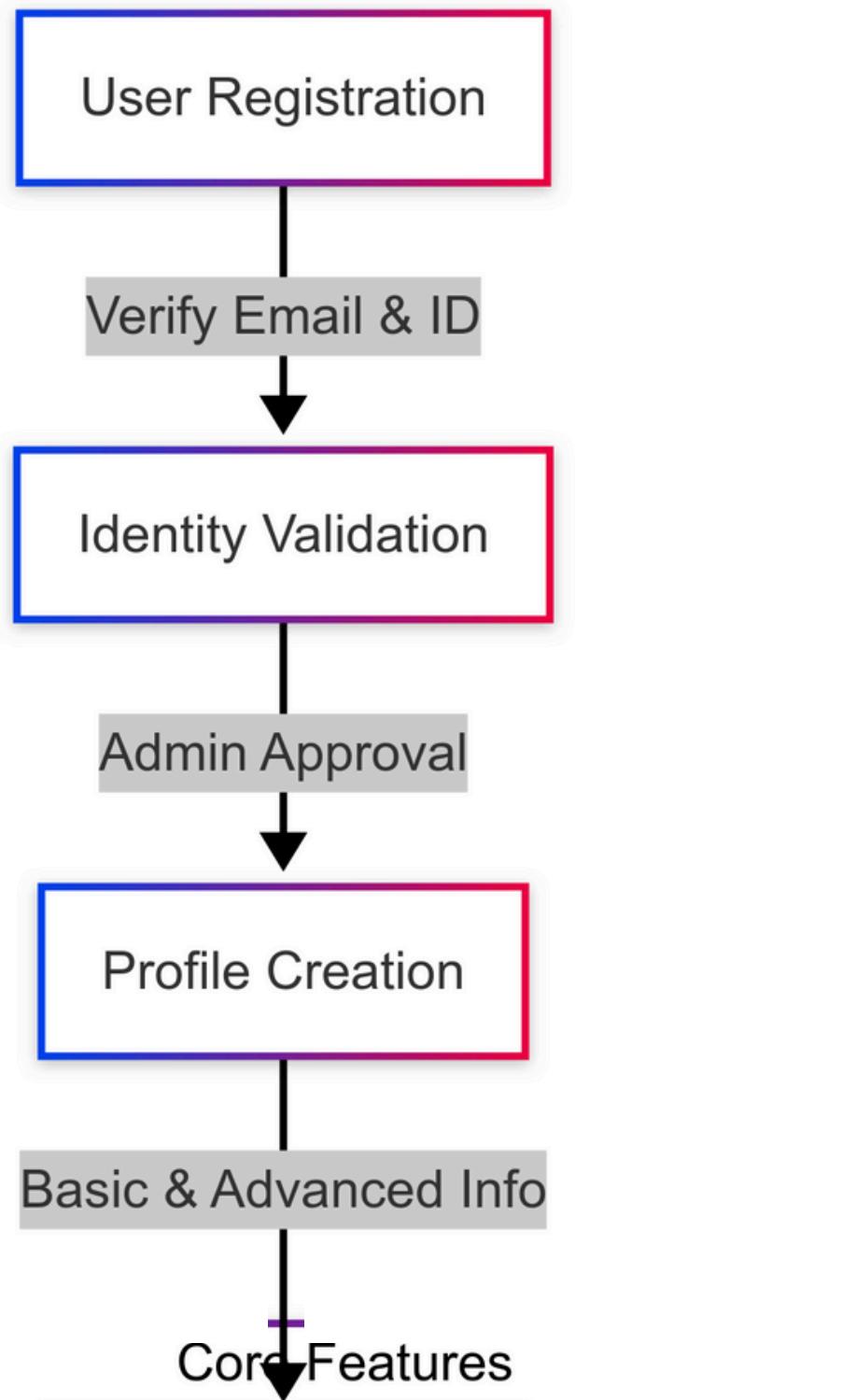
4 Messaging & Collaboration

- Problem: Communication within colleges is fragmented across multiple platforms (WhatsApp, Discord, etc.).
- Solution: Built-in chat and discussion groups for seamless interaction between students, faculty, and clubs.

Features offered by my solution

- - Event Timeline: A centralized feed for college events, workshops, and competitions. [\(Version 1\)](#)
- - Club Portfolios: Dedicated club pages showcasing achievements and upcoming events. [\(Version 1\)](#)
- - LinkedIn-Style Profiles: Students can highlight skills, certifications, and achievements. [\(Version 11\)](#)
- - Messaging & Collaboration: Group chats for clubs/events and direct messaging. [\(Version 1\)](#)
- - AI-Based Skill & Club Matchmaking: Suggests events and learning materials based on interests. [\(Version 1v\)](#)
- - Centralized Calendar: Integrates academic and extracurricular schedules. [\(Version 1\)](#)
- - Virtual Event Hosting: Built-in tools for webinars, Q&A sessions, and live-streaming. [\(Version 11\)](#)
- - Gamification & Achievements: Earn points for event participation and networking activities. [\(Version 111\)](#)
- - Mentor Connect: AI-powered mentorship feature linking students with alumni & industry experts. [\(Version 111\)](#)
- -Student Marketplace: A space for students to buy/sell books, lab coats, and other essentials. [\(Version 11\)](#)
- -Freelance & Internship Marketplace: Helps students find freelance projects and internships. [\(Version 1v\)](#)
- -Offline Mode & Accessibility Features: Ensures connectivity and accessibility for all students. [\(Version 1v\)](#)
- -Canteen Food Ordering: Students can order food from the college canteen via the app. [\(Version 111\)](#)
- -Travel Buddy System: Students can find and connect with peers traveling to the same destination. [\(Version 11v\)](#)
- - Notes Jar: A feature to store and share notes among peers. [\(111\)](#)
- - Reminder Jar: Allows students to set reminders for important deadlines, exams, and assignments. [\(Version 111\)](#)
- -Location-Based Event Discovery: Suggests events based on a student's campus location. [\(Version 1v\)](#)
- -TravelMate: Students traveling home during holidays can find and connect with peers from their hometown, making travel more convenient and cost-effective [\(Version 1v\)](#)

Process flow diagram or Use-case diagram

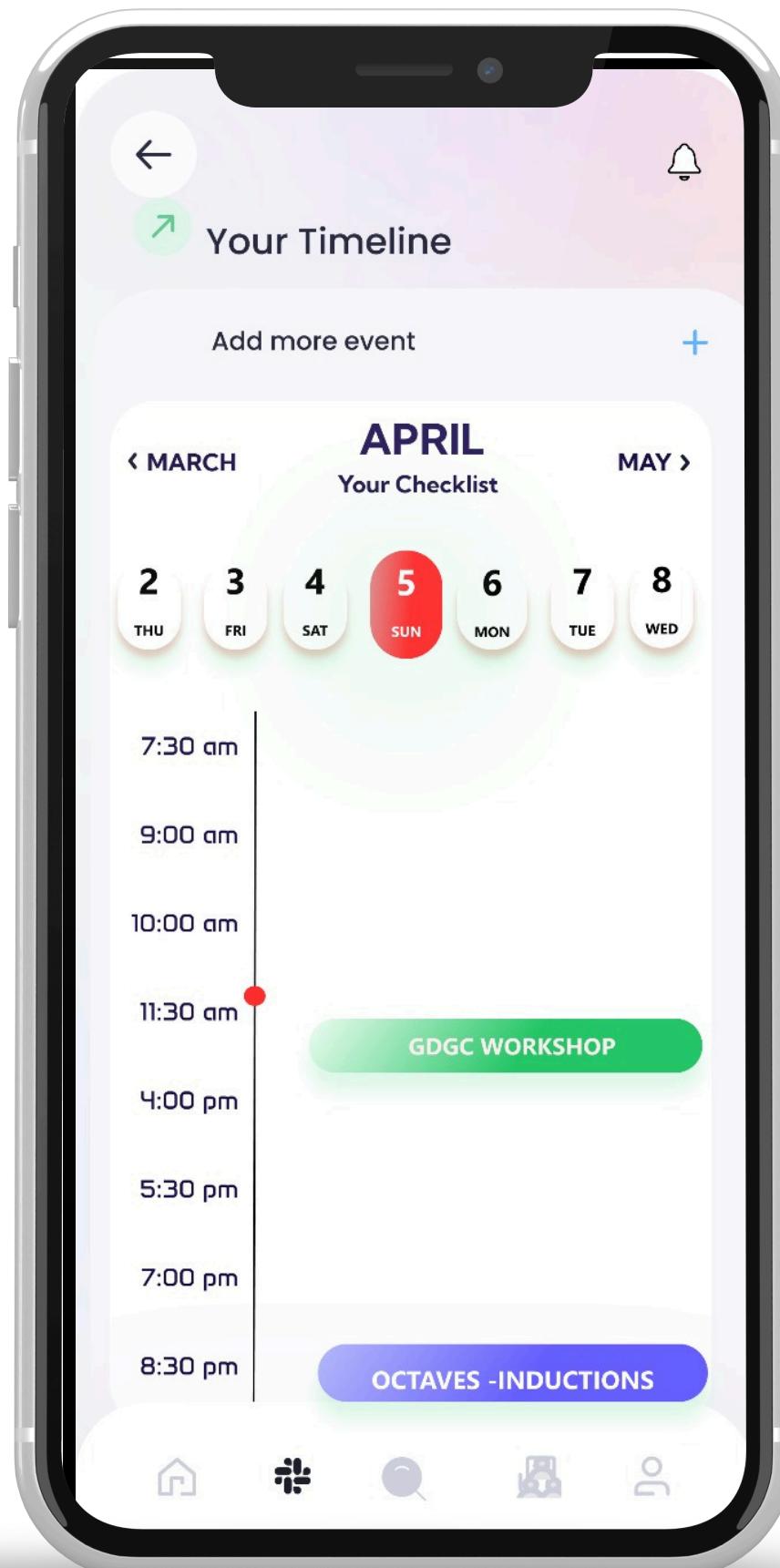
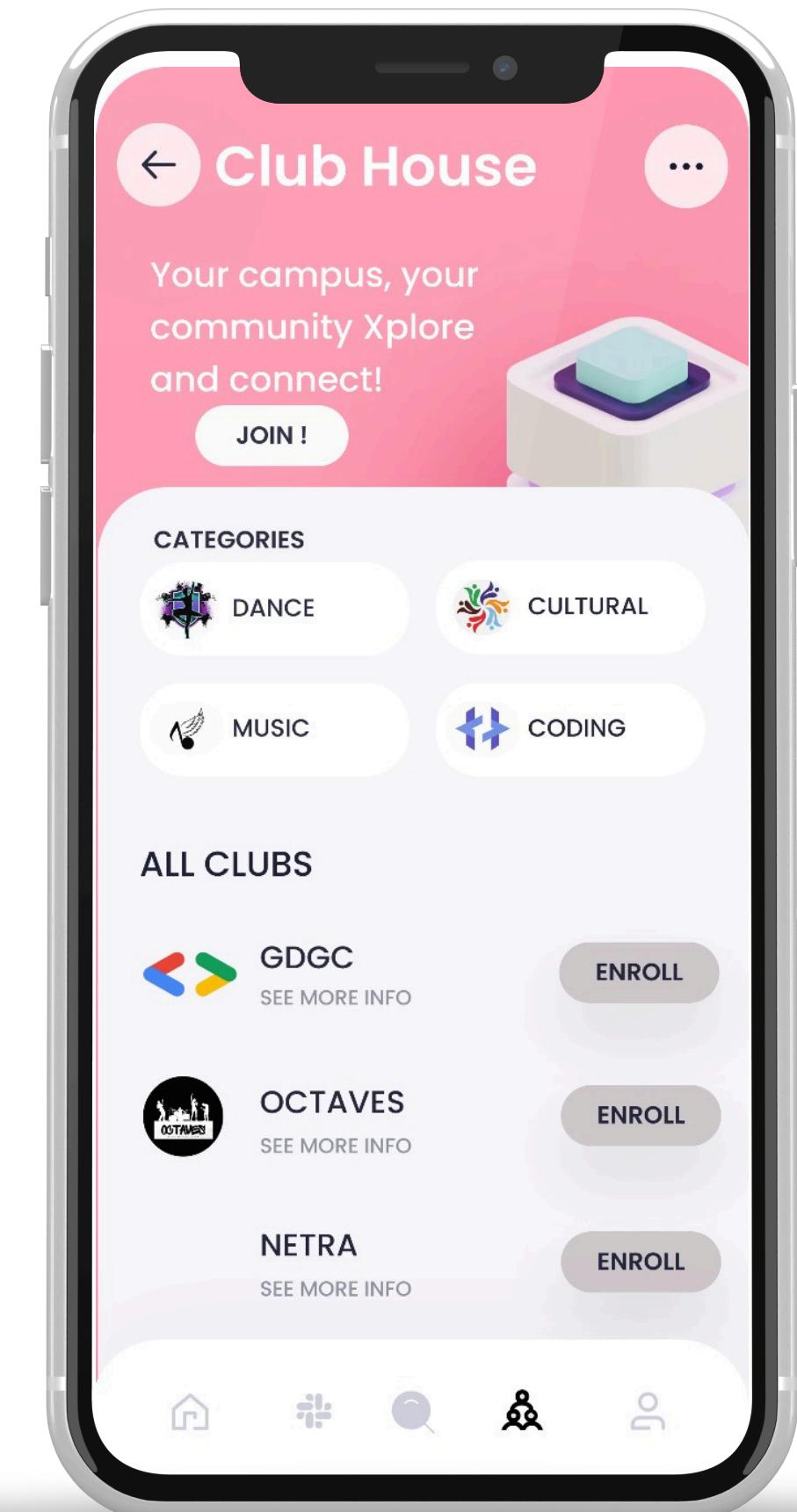
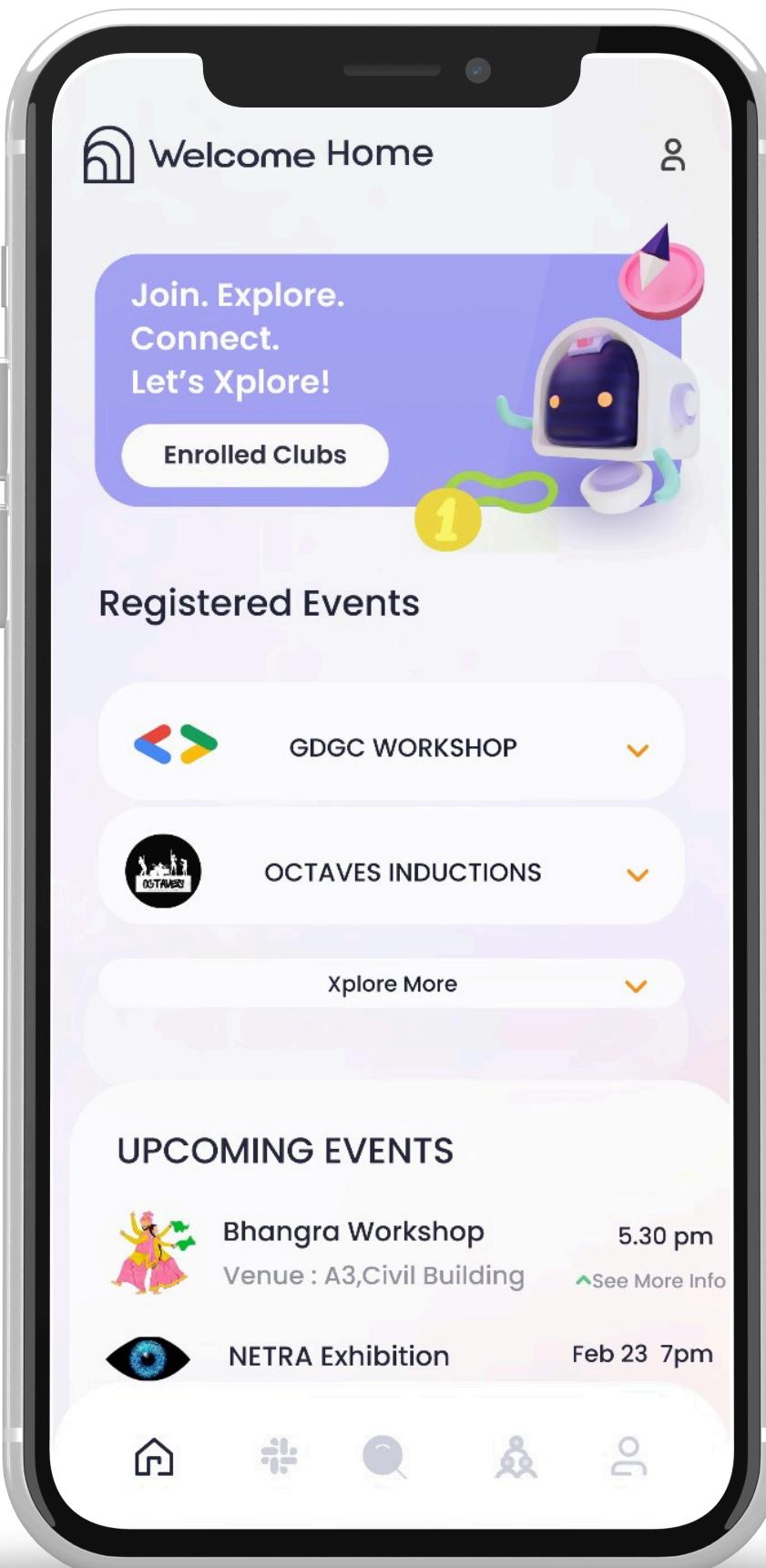
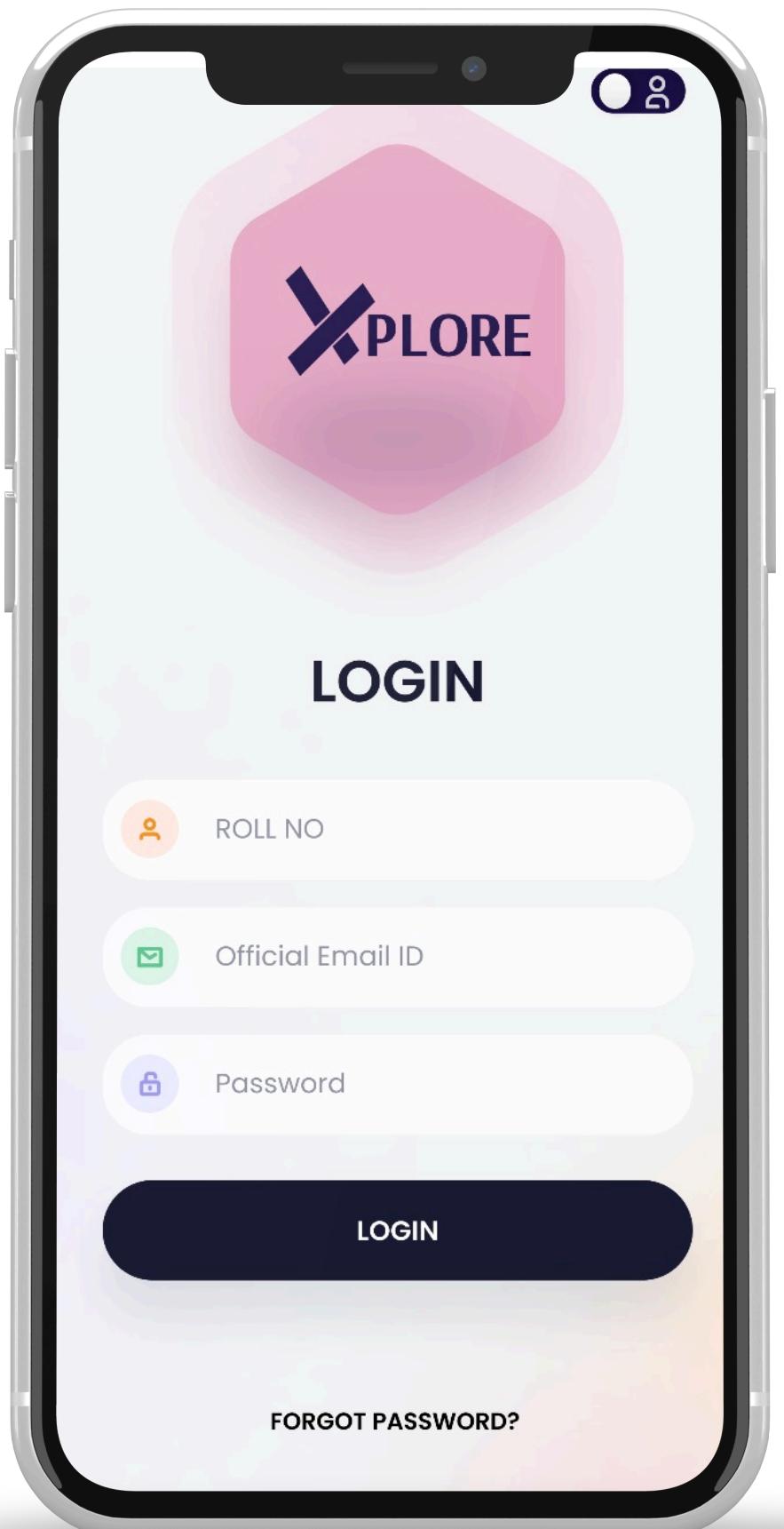


Xplore - Wireframe Overview

- 1 Splash & Onboarding Screens – Introduces key app features through sliding screens.
- 2 Login & First-Time Password Setup – Secure roll number-based authentication with a mandatory first-time password reset.
- 3 Home/Timeline Screen – Centralized event feed with search and filter options.
- 4 Clubs & Networking – Club portfolios and LinkedIn-style student profiles for networking.
- 5 Event Registration & Management – Seamless event discovery, RSVP, and participation tracking.
- 6 Messaging & Collaboration – WhatsApp-style messaging for clubs, events, and personal chats.
- 7 TravelMate (Carpooling) – Helps students coordinate travel plans during holidays.
- 8 Student Marketplace – Buy/sell books, lab coats, and essentials within the campus.
- 9 Notes & Reminders – Students can share notes and set academic reminders.
- 10 AI-Powered Recommendations – Personalized suggestions for clubs, events, and internships.
- 11 Virtual Event Hosting – Live streaming and webinar tools for online sessions.
- 12 Canteen Food Ordering – Digital canteen system for ordering and pickup.
- 13 Offline Mode & Accessibility – Save important resources and chats for offline access.

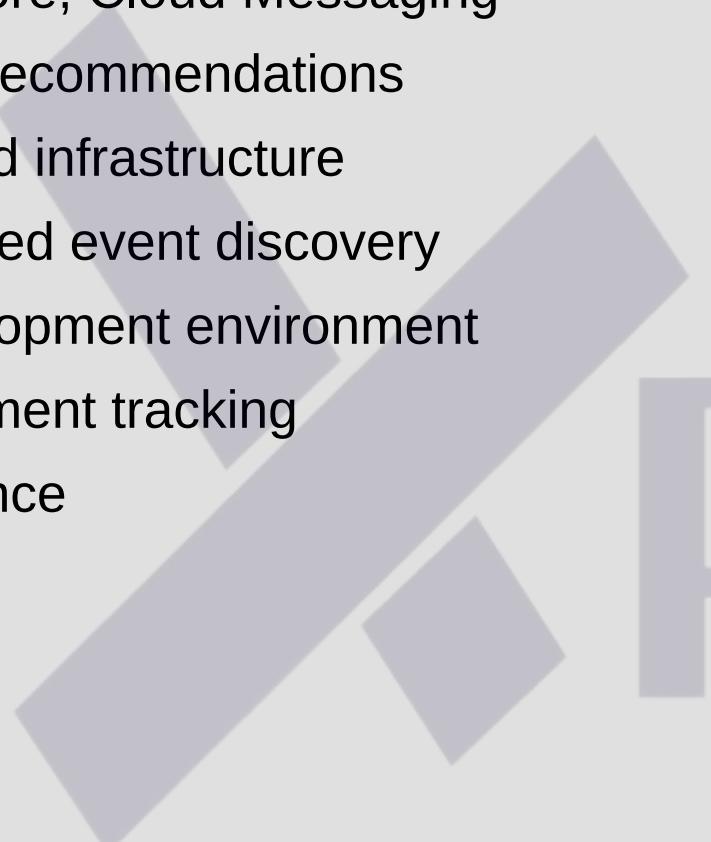
This slide presents Xplore's structured wireframe model, ensuring an engaging, efficient, and AI-powered student ecosystem. 

Architecture diagram of the proposed solution



Technologies that are being used/planning use during prototype development

- Flutter & Dart - Cross-platform app development
- Firebase - Authentication, Firestore, Cloud Messaging
- Google Gemini AI - AI-powered recommendations
- Google Cloud - Scalable backend infrastructure
- Google Maps API - Location-based event discovery
- Google IDX - Cloud-based development environment
- Google Analytics - User engagement tracking
- Figma & Canva - Design Reference



PLORE

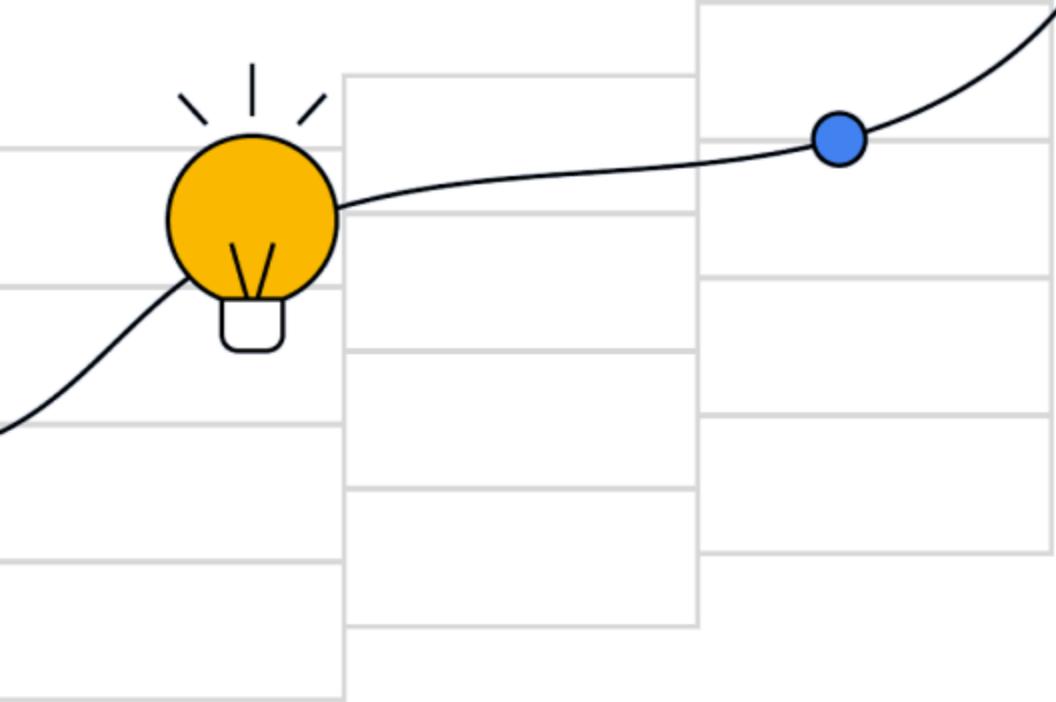
₹ Xplore - Implementation Cost Structure

Category	Estimated Cost (₹)
App Development (Flutter, Backend, UI/UX)	₹3,00,000 - ₹9,00,000
Cloud & Infrastructure (Firebase, Google Cloud, APIs)	₹1,50,000 - ₹3,00,000
Team & Hiring (Developers, Designers, Marketing)	₹3,00,000 - ₹7,00,000
Legal & Compliance (Registration, Data Security)	₹60,000 - ₹1,50,000
Marketing & Outreach (Social Media, College Tie-Ups)	₹80,000 - ₹2,00,000
AI & R&D (Personalized Recommendations, Future Enhancements)	₹1,00,000 - ₹3,00,000
Contingency & Miscellaneous	₹50,000 - ₹1,00,000
Total Estimated Cost	₹10,00,000 - ₹26,00,000

💡 Monetization Strategy:

- University Licensing & Partnerships
- Freemium Model (Premium Features for Paid Users)
- Ad Revenue & Sponsored Listings

This cost estimation is AI-generated and intended for reference purposes only. Actual expenses may vary based on real-world factors and implementation scenarios.



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Thank you

