

# ClubHub

Integrated Collaboration and Club Management Platform

Epoch Innovators

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# Problem Statement

## Current Challenges

Clubs within the institute face significant operational inefficiencies:

- **Fragmented Communication:** Announcements scattered across multiple platforms
- **Manual Processes:** Attendance tracking lacks automation
- **Unstructured Coordination:** No unified system for task management
- **Documentation Gaps:** Project records dispersed and difficult to access

## Impact

Communication gaps, inconsistent records, and reduced operational efficiency

## Our Experience

- Active club participants
- Witnessed operational friction firsthand
- Identified critical pain points

## Our Vision

- Unified digital environment
- Enhanced transparency
- Sustainable solution
- Scalable framework

*“Build a cohesive platform  
that reflects actual club needs”*

# Proposed Solution: ClubHub

## Five Integrated Modules

### Communication & Updates

- Announcements Module
- Group-Based Chat

### Documentation

- Project Archive
- Results & History

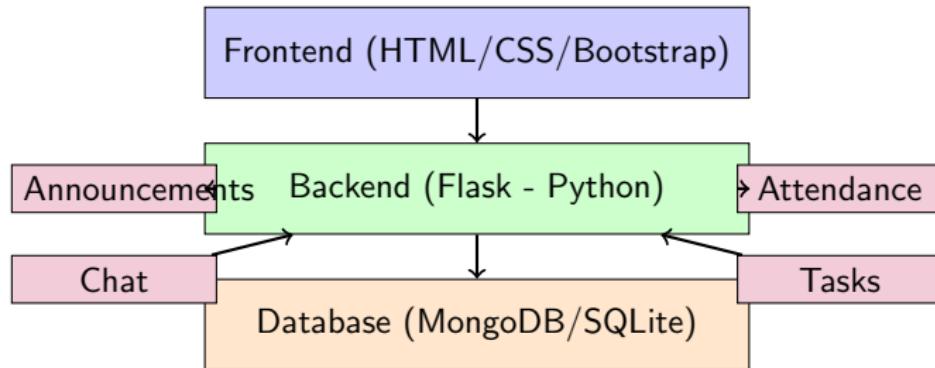
### Operational Tools

- Attendance Management
- Task Assignment & Tracking

### Technology Stack

- Backend: **Flask (Python)**
- Database: **MongoDB/SQLite**
- Frontend:  
**HTML/CSS/Bootstrap**

# System Architecture



# Return on Investment (ROI)

## Direct Benefits

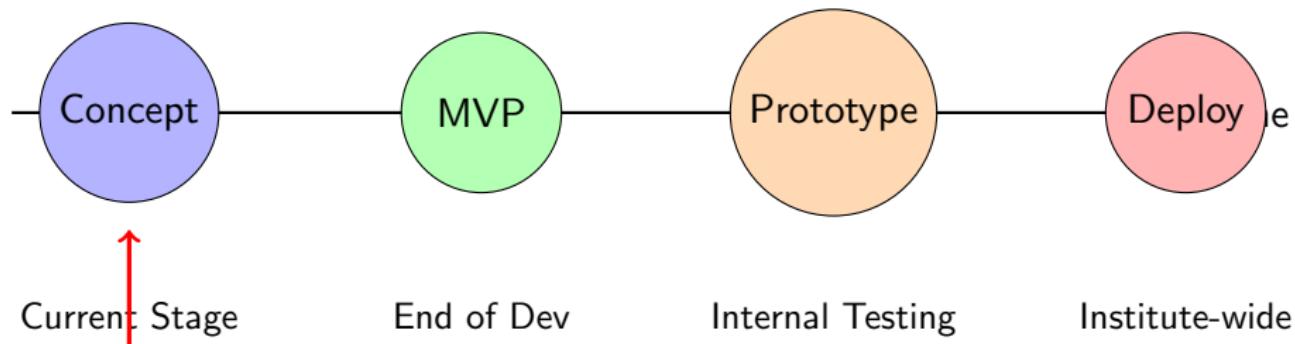
- Centralized system for all club operations
- Eliminates dependency on fragmented tools (WhatsApp, Google Sheets, Drive)
- Enhanced accountability and productivity

## Long-Term Value

- Reusable framework across academic cohorts
- Scalable to multiple clubs and organizations
- Continuous value generation over multiple years

**Time invested today = Value for years ahead**

# Market Readiness



# Feasibility Analysis

## Technical Capabilities

- Python & Flask proficiency
- Database design experience
- UI/UX fundamentals
- Version control (Git)

✓ Well within team capability

## Development Strategy

- Modular architecture
- Incremental development
- Core features prioritized
- Agile methodology

✓ Manageable timeline

## Development Approach

Focus on essential modules first, then iterate and expand based on feedback

# Scope and Impact

## Primary Beneficiaries

- Club coordinators and leadership
- Project leaders and team members
- All active club participants

## Key Impacts

**Efficiency** Streamlined communication and coordination

**Structure** Organized project execution and documentation

**Scalability** Easily extends to multiple clubs

**Culture** Promotes professionalism and accountability

**Potential:** Institute-wide student organization management system

# What Makes Us Unique?

## ① Purpose-Built Design

- Tailored specifically for technical and academic clubs
- Not a generic project management tool

## ② Integrated Functionality

- Combines communication, attendance, and task management
- Single cohesive platform

## ③ Learning-Oriented

- Demonstrates core Python development skills
- Educational value for team members

## ④ Highly Customizable

- Modular architecture enables easy expansion
- No major redesign needed for new features

# Risk Factors and Mitigation

<b>Risk</b>	<b>Mitigation Strategy</b>
Time constraints	Prioritize core features for MVP
Real-time chat scalability	Optimize later; use polling initially
User adoption	Focus on intuitive UI/UX design
Multi-club expansion	Design modular database schema

## Risk Management Approach

Identify early, plan proactively, iterate based on feedback

# Implementation Timeline

Phase	Duration	Deliverables
Planning & Design	1 week	Architecture, UI mockups
Core Development	3 weeks	Announcements, Chat, Attendance
Task Management	1 week	Task assignment & tracking
Integration & Testing	1 week	Bug fixes, optimization
Documentation	0.5 weeks	User guide, technical docs
Deployment	0.5 weeks	MVP launch

**Total Timeline: 7 weeks (Target: Early January 2026)**

# Conclusion

## Project Summary

ClubHub aims to transform club management through:

- Unified digital platform
- Integrated communication and coordination tools
- Sustainable, scalable architecture

## Expected Outcomes

- Improved operational efficiency
- Enhanced member engagement
- Long-term institutional value
- Demonstration of technical competence

**Building Today for Tomorrow's Clubs**

# Thank You

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