

Hosting & Technology Budget Proposal for College Startup Platform

Platform Overview

This document presents a complete 1-year hosting and infrastructure budget proposal for the college-level digital platform designed for: profile creation, idea posting, chatting, networking, and project collaboration. The goal is to obtain institutional approval for hosting costs and technology resources.

Core Features

- User Profile Creation
- Idea Posting & Project Sharing
- Real-time Chat & Messaging
- Search and Network Connections
- Explore Feed for Ideas & Users
- Team/Hackathon Collaboration

Technology Stack

- Frontend: React / Next.js
- Backend: Node.js + Express
- Database: MongoDB Atlas (Recommended)
- Hosting: Railway
- Domain: .com or .in domain

Why MongoDB Over MySQL

- Flexible and scalable document structure ideal for profiles and chats.
- Faster development and natural with Node.js.
- Designed for real-time features.
- Auto-scaling cloud architecture.

Cost Breakdown (1-Year Estimate)

Service	Estimated Yearly Cost	Description
Domain (.com)	■700 – ■1,200	Annual domain renewal
MongoDB Atlas (M2 Tier)	■9,600	Scalable cluster for production
Railway Backend Hosting	■5,000	Backend hosting, chat & APIs

Total Estimated Yearly Budget

Recommended: ■14,000 – ■16,000 per year

Justification for Budget Approval

- Supports hundreds of students and alumni.
- Reliable hosting for academic and innovation-focused use.
- MongoDB ensures future scalability.
- Railway provides stable backend deployment.
- Helps grow entrepreneurship and student collaboration.

Conclusion

This proposal provides a scalable and affordable hosting plan for the college digital network. Approval enables secure deployment and long-term platform growth.