

UP FAMNIT

Campus Connect

Smart Lost & Found Recovery System

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Introduction

What is CampusConnect?

CampusConnect is a web-based platform designed to bridge the communication gap within university ecosystems.

It provides a **structured, searchable, and secure database** where students and faculty can report Lost or Found items in real-time.

Why Do We Need It?

- Physical bulletin boards are inefficient and unorganized
- Social media groups lack structure and privacy
- Low item recovery rates across campuses
- No way to verify authenticity of claims
- No centralized, trusted system for the community

Problem Statement

1

Fragmented Process

Lost-and-found relies on physical boards and unorganized social media threads with no central hub.

2

Privacy Concerns

Finders and owners have no secure, private channel to communicate, discouraging good-faith reporting.

3

No Claim Verification

Anyone can claim an item. Without verification, it's impossible to confirm true ownership of lost property.

CampusConnect solves all three with a structured, authenticated, and privacy-aware platform.

Core Features



User Authentication

Secure login using university credentials, only verified community members can post.



Dual-Entry System

Found Listings with categories & location tags. Lost Reports with real-time match alerts.



Search & Filter

Filter by date, category, and location. Map-based interface or list view.



Claim Verification

Private messaging or security questions before revealing the item's exact location.



Admin Dashboard

Campus security can manage high-value items and archive resolved cases.



Real-time Alerts

Automatic notifications when a found item matches your lost report description.

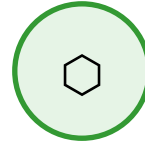
Technology Stack



React

Frontend

Responsive, mobile-friendly UI built with React. Component-based architecture for fast rendering.



Node.js

Backend

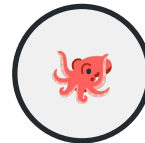
Handles all API requests, business logic, and scheduling algorithms efficiently.



MySQL

Database

Relational database storing users, items, reports, and claim records with structured queries.

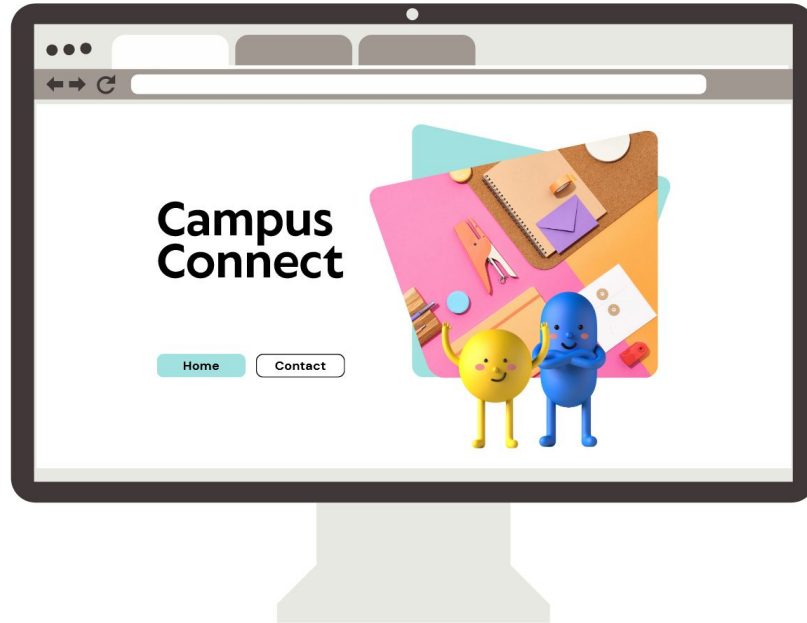


GitHub

Collaboration

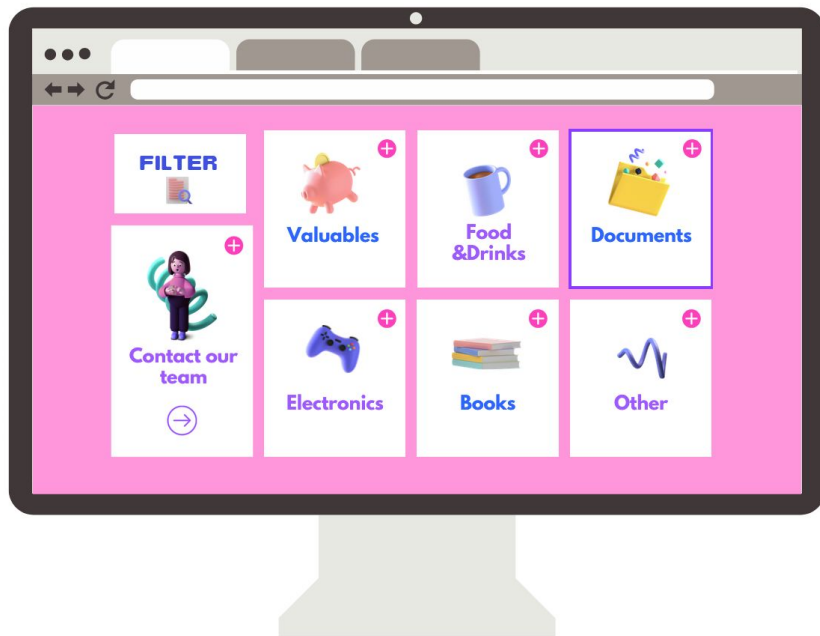
Version control and project management. Tracks tasks, milestones, and code changes.

Preview — Home Page

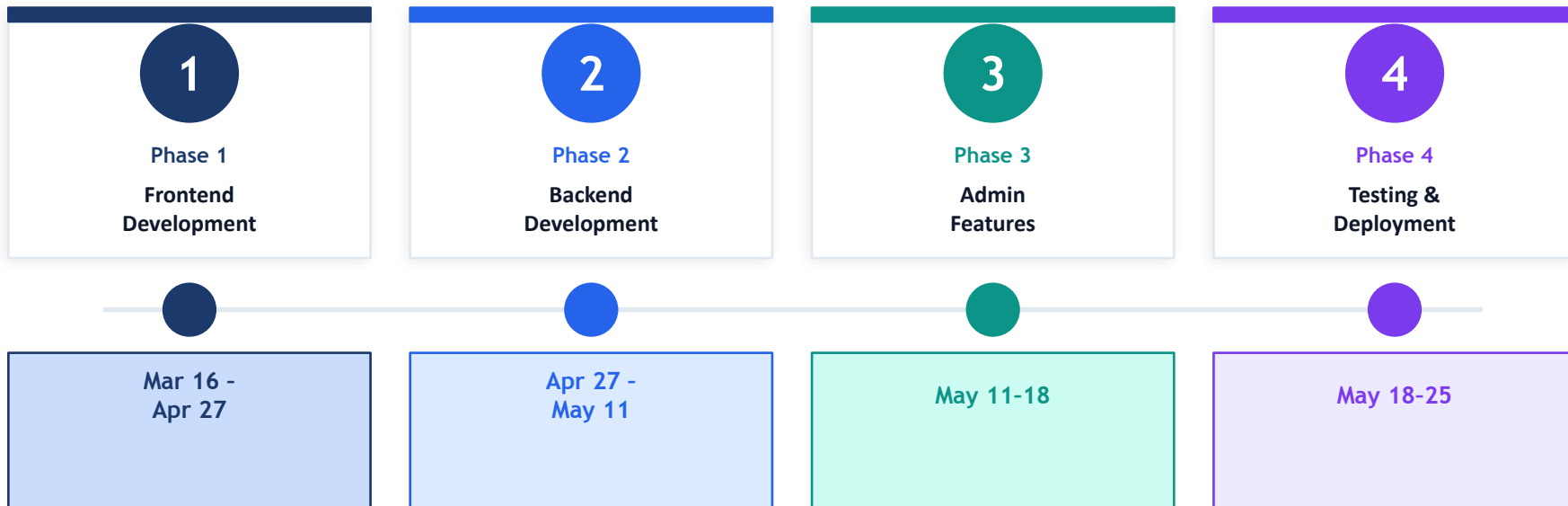


** Placeholder design — actual UI subject to change*

Preview



Project Timeline



Total duration: March 16 – May 25, 2025 | ~10 weeks

Phases 1 & 2

1 Phase 1 Frontend | Mar 16 - Apr 27

Week 1 Finalize UI/UX design and responsive layouts

Wireframes, color palette, component library setup

Week 2 Complete map-based location interface

Interactive map for marking item locations

Week 3 Build appointment booking flow & form validation

Lost/Found report forms with client-side validation

Week 4 Integrate search & filter components

Category filters, date range picker, list/map toggle

2 Phase 2 Backend | Apr 27 - May 11

Week 1 Set up database schema

MySQL tables for users, items, reports, claims

Week 2 Implement item matching & alert logic

Algorithm to match lost/found entries automatically

Week 3 Add notification system

Confirmation and real-time match alerts

Phases 3 & 4

3 Phase 3 Admin Features | May 11-18

Week 1 Build admin dashboard

Manage items, archive resolved cases, view stats

Week 2 Implement claim verification workflow

Security questions, private messaging between users

4 Phase 4 Testing & Deploy | May 18-25

Week 1 User testing & bug fixes

End-to-end testing with real campus users

Week 2 Final optimizations & deployment

Performance tuning, security review, go-live

Thank You!

Questions?

CampusConnect

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Institution: UP FAMNIT

Stack: React · Node.js · MySQL