UI SOS - Smart Emergency Response System

A life-saving digital platform for instant campus emergency alerts at the University of Ibadan.

Overview

Emergencies on campus, from health crises and theft to fire outbreaks and assaults,often meet delayed responses due to poor communication and fragmented reporting systems.
UI SOS bridges this gap by providing a one-tap emergency response platform that instantly connects users to the appropriate emergency units within the University of Ibadan.

Whether medical, security, or fire-related, UI SOS ensures help is just one click or voice command away.

Problem Statement
Students and staff currently have no centralized, reliable way to report emergencies.
Existing systems depend on random hotlines, word-of-mouth, or manual escalation — wasting precious minutes that could save lives.

Proposed Solution

UI SOS provides a smart, integrated, and campus-specific emergency response system that:

Allows one-tap or voice-activated alerts ("Help me, UI!")

Automatically sends real-time location and user ID to a centralized dashboard

Routes alerts to the correct responders — Jaja Clinic, Security Unit, or Fire Service

Provides instant feedback to reassure the user that help is coming

Core Features
- One-Tap & Voice SOS Activation
- Location Tracking via GPS or Wi-Fi
- Integrated Emergency Dashboard for Multiple Units
- Silent Alert Mode for Sensitive Cases
- Feedback Notifications to Users
- Incident Logging & Analytics

Why It's Innovative

- Built specifically for UI's campus environment
- Lightweight , runs on mobile, web, or WhatsApp integration
- Uses existing infrastructure, so no heavy installations
- Empathy-driven and inclusive (for students with disabilities or low connectivity)

Impact

- Reduces emergency response time across the campus
- Strengthens coordination among university emergency units
- Enhances safety, trust, and community resilience
- Sets a digital model that can scale to other universities in Nigeria

Tech Stack

Frontend: React / Flutter

Backend: Node.js / Firebase

Database: MongoDB / Firestore

APIs: Google Maps API (for geolocation), Twilio (for alerts/notifications)

UI Design: Figma

Team Nexus

Ashiru Mustapha Adeniyi — Team Lead / Concept & Research

[Designer's Name] — UI/UX Designer & Prototype Developer

[Member 3's Name] — Technical Support / Backend

[Member 4's Name] — Documentation & Pitch Coordination

Future Plans

Integrate Student ID authentication for automatic identification

Add AI-powered emergency prediction and analytics

Extend solution to other Nigerian universities