**Problem Statement**

Emergencies on the university campus (fires, theft, medical crises, security threats) frequently suffer delayed response because there’s no single, reliable, fast way to report them and route them to the right responders. In emergencies, students often rely on word-of-mouth, random dialing of phone numbers or sprinting for help, losing precious minutes that could save lives.

**(i) Why does this project need to exist?**

1. Emergencies are time-sensitive

In fire outbreaks, medical crises or security threats, every minute counts. Presently, the university community relies on informal, manual reporting methods that delay response by an average of several minutes. UI SOS seeks to eliminate these avoidable delays by enabling instant, technology-driven alerts and measurable reduction in response time.

2. Disconnected response units

Campus emergency units work independently, with no shared communication channel. This causes confusion and slow coordination. A single, centralized system will link all responders and route alerts directly to the right unit.

3. Information gaps during emergencies

Responders often arrive at scenes with incomplete or inaccurate information regarding the location, type, or severity of the emergency. This lack of situational data hinders effective decision-making and resource allocation. UI SOS addresses this by transmitting verified user data (GPS location, nature of emergency and user ID) to the central dashboard, ensuring responders act on accurate and measurable information.

4. Limited accessibility for vulnerable users

Certain groups such as individuals with disabilities, students moving alone at night, or those without direct access to emergency numbers remain exposed to harm due to limited accessibility of existing reporting channels. A one-tap digital platform lowers this barrier by providing a fast, inclusive, and user-friendly interface accessible via mobile, web, or SMS channels, thereby expanding coverage and equity in safety access across the university campus.

**(ii) Why are we building it?**

1. To save time and lives: A one-tap solution that sends location and emergency type immediately reduces delay in reporting.

2. To connect the right people quickly: Automatic triage and routing ensure the nearest and most appropriate unit is alerted.

3. To strengthen safety: Quick and reliable access to help enhances students’ sense of security, encouraging freer campus movement and greater use of facilities (e.g libraries), especially during late hours.

4. To generate data-driven insights: Timestamped incident records will allow management to monitor response times, evaluate performance, and plan targeted improvements in training, infrastructure, and resource allocation.

5. To complement existing services: The UI SOS will integrate with existing emergency units such as Jaja clinic, security, and local emergency services serving as a unifying link rather than a replacement.

**(iii) Who needs this solution?**

**Primary Users**

Students: Those living in halls of residence, studying late in the library, or attending off-campus clinical and field postings.

Residential Staff and Hall Marshals: They are often first on the scene during emergencies within hostels or residential areas.

Academic and Non-Academic Staff: Lecturers and administrative staff who may encounter emergencies during classes or work hours.

Campus Security Teams: Key responders who require instant, accurate alerts to act swiftly (e.g Abefele)

Jaja Clinic and Medical Staff: Medical responders who need timely information to prepare for incoming cases.

Local Fire Service Partners: Responders who rely on quick, location-based notifications to minimize damage and loss.

**Secondary / Administrative Stakeholders**

University Management and Estates Department: They use safety data to monitor campus security, evaluate response efficiency, and plan infrastructure improvements.

Parents and Guardians: They indirectly benefit from improved student safety and faster emergency responses.

Local Emergency Services: They can access verified, structured information when support beyond campus is required.

Event Organizers and Campus Vendors: They gain a reliable safety mechanism during large gatherings, trade fairs, or student events.